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PROJECT MANUAL

VOLUME 4: Appendix

Binghamton City School District
2024 Capital Project

- Theodore Roosevelt Elementary School 03-02-00-01-0-010-014

FOR INFORMATION ONLY

CSArch Project # 215-2402

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END OF SECTION

Geotechnical Engineering Report
Additional Services
Theodore Roosevelt Elementary School
Binghamton, New York

Prepared for:
Binghamton City School District
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ARM Project 25011401

October 6, 2025

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October 6, 2025

Kyle Skinner
Assistant to the Superintendent
Binghamton City School District
164 Hawley Street
Binghamton, NY 13901

Re: Geotechnical Engineering Services
Theodore Roosevelt Elementary School
Additional Services
Binghamton, NY
ARM-NY Project 25011401

Dear Mr. Skinner,

Enclosed is ARM-NY Inc. PC's (ARM's) revised Geotechnical Engineering Report (GER) associated with the proposed building additions to the Theodore Roosevelt Elementary School located in Binghamton, New York. The report presents the results and conclusions of ARM's geotechnical program, which was developed to supplement our previous findings documented in our GER submitted on October 11, 2024 (under ARM project 24011548), and performed in accordance with ARM's Proposal P25011401. It is ARM's opinion that the proposed structure can feasibly be constructed at this site provided proper incorporation of applicable considerations and recommendations, and acceptance of limitations, as disclosed herein.

ARM will remain available for a meeting to discuss the report and answer any questions that may arise as you review this GER.

We appreciate the opportunity to support you on this project. Please do not hesitate to contact us if you have any questions or clarifications.

Sincerely,

Andrew Risser, E.I.T.
Project Engineer

P. Richard Scheller, P.E.
Principle Engineer

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1.0 INTRODUCTION

1.1 General Introduction

The revised geotechnical investigation reported herein was performed in connection with the proposed one-to-two-story addition to the existing Theodore Roosevelt Elementary School in Binghamton, Broome County, New York. An aerial map showing the general location of the project site is presented as Sheet No. 1 in Appendix A.

A previous investigation was conducted by ARM at the project site, and the results and recommendations were presented under a sperate cover submitted on October 11, 2024 (see Appendix E). On behalf of the Binghamton City School District (BCSD), Passero Associates (Passero) requested an additional investigation to be conducted within the updated footprint of the proposed addition. The purpose of this investigation was to better quantify the extent of the undocumented fills encountered in the first investigation, as well as review the subsurface conditions within the updated footprint of the proposed addition. As requested, supplemental test borings were performed at the site to confirm, or update, the previous geotechnical recommendations, and attempt to identify any extraordinary or limiting geotechnical issues prior to construction. The foundation recommendations may need to be updated, if necessary, as the project nears completion of design.

The scope of work included review and planning of the investigation with BCSD, CSArch, and Passero, obtaining an independent test boring contractor, laboratory testing of representative samples, engineering analysis of the available geotechnical data, and the subsequent preparation of the enclosed report.

1.2 Project Description

It is our understanding that the improvements planned for this site include a one-to-two-story, slab on grade addition to the existing elementary school. The existing three-story classroom wing is proposed to be demolished, and a portion of the new addition will take its place. The footprint of the new addition will be approximately 36,993 square feet and the finished floor elevation is proposed to be consistent with the existing structure (about elevation 860 feet according to Google Earth). The second floor of the addition will include approximately 13,493 square feet. ARM further understands that the addition will have a structural steel frame with some areas containing CMU shear walls. For the purpose of this report, it was assumed that the building addition will be supported by shallow concrete spread and wall footings. Structural column loads up to 100 kips and wall loads between 2 to 4 kips/foot were assumed for this report. ARM should be notified if these assumptions underestimate the proposed loads, and we will update this report.

1.3 Site Conditions

The site is located at the Theodore Roosevelt Elementary School in Binghamton, NY. The site surrounding the school is primarily covered by asphalt and grass. The existing building on the site varies from one to three stories. The site topography is relatively flat and ground surface

elevations vary from 855 to 863 feet according to Google Earth. The typical site conditions are shown in Figure 1.3.



Figure 1.3 – Typical Site Conditions in June 2025 (looking south)

2.0 LITERATURE REVIEW

2.1 Natural Resources Conservation Service (NRCS)

The NRCS, a department of the U.S. Department of Agricultural (formerly Soil Conservation Service) was authorized by the U.S. Congress to conduct a soil survey of the unconsolidated deposits for agricultural purposes across the United States. As part of these efforts, NRCS also provided discussions of high-level basic engineering properties of the various deposits described.

The NRCS classified the site soils as "cut and fill lands, gravelly materials" (Cv) as shown on the Soils Map, Sheet No. 2 in Appendix A. The Soil Survey of Broome County (1971) states that this soil series is has a miscellaneous composition and is a result of ground manipulation for the use of urban development and other construction activities. These soils are known to be highly variable, therefore it is difficult to accurately classify and present estimated properties. The soil

2.2 Geologic Setting

Based on a literature review of the geology at the proposed addition location, the near surface geologic formation at this site is the Sonyea Formation a shown on the Geologic Map, Sheet No. 3 in Appendix A. The Sonyea formation consists of a variety of shale members with some limestone nodules.

2.3 Historic Conditions

Historic aerial imagery dating back to 1955 was reviewed. It appears that the area of the current elementary school was occupied by residential properties at least until 1968. The elementary school is shown in the 1982 aerial and was constructed sometime in between 1968 and 1982. Since 1982 the site has more or less remained similar to its current configuration.

3.0 FIELD EXPLORATIONS

3.1 Field Reconnaissance

A field reconnaissance was conducted by ARM at the project site during June 24, 2025. This reconnaissance was conducted to stake out the proposed boring locations and evaluate site access. Approximate boring locations were field located by ARM with a handheld GPS.

3.2 Drilling Operations

A total of eight additional test borings were drilled at the site. The locations of the test borings were provided to ARM by Passero in a plan that was included in their RFP dated May 21, 2025. The test borings were completed by Pocono Test Borings, a drilling company under contract with ARM. Drilling inspection was provided by ARM. Drilling for the borings was completed during July 2 and 3, 2025. The approximate location of each boring drilled is presented on the Testing Location Map, Sheet No. 4 in Appendix A. The location of the previous test boring performed at the site are also presented on Sheet No. 4 in Appendix A.

A total of 200± lineal feet of drilling was completed during the subsurface exploration program.

Each boring drilled was initially advanced through the soil overburden using a 3.25-inch hollow stem auger until the design depth (25 feet) was encountered. Standard Penetration Tests (SPT's) were generally conducted continuously to 12 feet below ground surface (bgs) and then at periodic intervals until design depth was achieved. At the conclusion of each boring, the boring was backfilled with grout.

Drilling was generally conducted according to accepted protocols and standards. The SPT's were generally performed in accordance with ASTM Designation D1586, "Standard Method for Penetration Test and Split-Barrel Sampling of Soils."

Detailed boring logs for each of the test borings were prepared by ARM, and are presented in Appendix B. Each boring log prepared includes the following items:

- The approximate depth, and description of materials encountered;
- The type and location samples;
- The Standard Penetration Resistance obtained from SPT's conducted at the location of split barrel samples along with sample recovery measurements;
- The Unified Soil Classification System soil classification of samples by visual determination; and
- The water level in the boring upon completion of the test boring if encountered
- Backfill method upon completion of the test boring

The following is a tabulation of the approximate test boring and test pit elevations. Elevations were approximated from Google Earth.

Table 3.2 – Test Boring/Test Pit Summary

Test Boring	Approx. Surface Elevation (feet)	Termination Depth (feet)
B-1	863	25
B-2	862	25
B-3	862	25
B-4	862	25
B-5	862	25
B-6	861	25
B-7	862	25
B-8	862	25

3.3 Excavation Operations

One exploratory test pit was conducted at the site. The location of the test pit was provided to ARM by Passero in a plan that was included in their RFP dated May 21, 2025. The test pit was completed by Pocono Test Borings, and inspection was provided by ARM. Excavation of the test pit was completed on July 3, 2025. The approximate location of the test pit is presented on the Testing Location Map, Sheet No. 4 in Appendix A.

The test pit was scheduled to be advanced to 8± feet bgs in order to verify the presence of the foundation wall. The foundation wall was observed, and the test pit was terminated at 6 feet bgs because the adjacent asphalt was becoming undermined as more soil was removed. A footing was not located within the test pit.

The ARM representative visually classified and logged the observed soil profiles as encountered in the test pit. The soil descriptions noted on the test pit logs are in general accordance with the Unified Soil Classification System (USCS). The complied test pit log is presented in Appendix B.

4.0 LABORATORY TESTING

Upon completion of the field explorations, the recovered soil samples were examined by ARM's geotechnical engineering staff, and a laboratory program was conducted to ascertain engineering characteristics of representative soil samples. All phases of the laboratory testing were conducted in general accordance with applicable ASTM specifications. Gradation analyses (ASTM D422), Atterberg limits test (ASTM D4318), visual referrals (ASTM D2488), and natural moisture content (ASTM D2216) were also performed. The results of these tests are included as Appendix C and are summarized in Table 4.0. Descriptions of the soils follow general outlined procedures established by the Unified Soil Classification System and ASTM. The soils are more fully described in Section 5 of this report.

Table 4.0.1 – Summary of Laboratory Tests

Test Boring	Sample	Depth (feet)	Classification	-200	LL	PL	PI	Natural Moisture (%)
B-1	S-5	8 - 10	GP-GM	10.6	NP	NP	NP	4.4
B-4	S-2	2 - 4	SM	24.7	NP	NP	NP	7.5

5.0 SUBSURFACE CONDITIONS ENCOUNTERED

5.1 Surface Coverings

The ground surface cover in the area of B-1 through B-3, B-7, and B-8 consisted of grass and topsoil with a thickness ranging from about 0.5 to 0.6 feet thick. The ground surface cover in the area of B-4 and B-5 consisted of asphalt with a thickness of about 0.4 feet thick. Lastly, the surface covering in the area of B-6 consisted of mulch with a thickness of about 1 foot. The thickness of the observed surface coverings can vary between the test boring locations due to the inherent variability of subsurface geologic conditions.

5.2 Fill Soils

Underlying the surface coverings in all borings except for B-1 and B-7, a stratum of undocumented fill soil was observed extending to depths of 4 to 8 feet bgs (4 to 10 ft bgs in the test borings previously performed). Sheet 4A in Appendix A presents the approximate extents of the undocumented fills based on the test boring observations. Actual extents may be more or less than shown in Sheet 4A. A sample collected from the fill soil was classified as silty sand with gravel (SM) and consisted of approximately 24.7% fines. As observed in the test borings the fill soils included trace amounts of ash, brick, glass, coal, and concrete. As previously stated, the area of the existing elementary school was once occupied by residential properties. The fill materials are most likely associated with the regrading of the area to construct the school after the residential properties were demolished. The “N” values in the fill soils determined from the Standard Penetration Tests varied from loose to medium dense, and moisture contents ranged from 3.8 to 20.7%.

5.3 Native Soils

The native soils encountered at this site was classified as poorly graded gravel with silt and sand (GP-GM). These soils are potentially alluvially derived given the proximity of the site to the Chenango River. One sample collected from the native soils was gradation tested and had approximately 10.6% fines. Moisture contents for this stratum vary between 1.9% and 10.3%. The “N” values determined from the Standard Penetration Tests vary from loose to very dense but were generally observed to be dense.

5.4 Groundwater

Groundwater was not evident in the test borings. The Chenango River is directly west of the site. Given that the native soils have a generally low percentage of fines, it is likely that the lateral permeability of these soils is relatively high. Therefore, an increase to the water surface elevation of the Chenango River may also increase the groundwater surface elevations observed at the site. Moreover, seepage into the site soils may occur especially after periods of precipitation and snow melt. In order to establish a groundwater surface, piezometers would need to be established and monitored over time. This was beyond the scope of this assignment.

The FEMA flood map database was reviewed to determine if the site is located within the limits of the 100-year flood. The flood map for Panel 3600380002C (1977) was reviewed and showed

that the site lies within Zone C, which corresponds to an area outside of the 500-year flood (and therefore, also the 100-year flood).

6.0 DISCUSSION

It is our understanding that the improvements planned for this site include a one-to-two-story, slab on grade addition to the existing elementary school. The existing three-story classroom wing is proposed to be demolished, and a portion of the new addition will take its place. The footprint of the new addition will be approximately 36,993 square feet and the finished floor elevation is proposed to be consistent with the existing structure (about elevation 860 feet according to Google Earth). The second floor of the addition will include approximately 13,493 square feet. ARM further understands that the addition will have a structural steel frame with some areas containing CMU shear walls. For the purpose of this report, it was assumed that the building addition will be supported by shallow concrete spread and wall footings, and is outside of the 100-year floodplain. Structural loads up to 100 kips and wall loads between 2 to 4 kips/foot were assumed for this report. ARM should be notified if these assumptions underestimate the proposed loads, and we will update this report.

Six of the eight test borings (except for B-1 and B-7) encountered 4 to 8 feet of undocumented fill materials (4 to 10 feet of fill in the test borings previously performed) overlying the native soil. Undocumented fills create potential for excessive settlement. Therefore, ARM recommends that the undocumented fill be undercut in the footprint of the proposed addition, and the remaining surface be proofrolled prior to placing engineered fill to reach the foundation and slab on grade bearing elevations. The engineered fills may consist of NYDOT Type 1 or Type 4 aggregate compacted according to Section 11.2.1 of this report. Alternate soils may be acceptable, but will need to be approved by the geotechnical engineer.

Upon further review of the samples collected from the additional borings, the undocumented fill soils may be used as structural fill on this site, provided that the deleterious materials are first removed, and once removed, the final product is approved by the geotechnical engineer prior to placement. The requirements for deleterious materials are described in section 733 of the NYDOT Standard Specifications. Where excess fill is needed, the fill soils should be in accordance with Section 11 of this report.

Based on our analysis, the generally dense native soil (average SPT N value greater than 30 below 4 feet bgs) and engineered fill will provide positive support for the structure on shallow foundations with an average net allowable bearing value of 4,000 psf. For a shallow foundation with a constant stress of 4,000 psf or less, we have estimated a potential settlement less than 1 inch total and ¾ inch differential respectively. This movement is generally within tolerable limits for this structure type.

It is our conclusion that the site may support the proposed building addition on continuous and individual spread foundations, provided the following the recommendations noted herein.

The recommendations presented in this report shall supersede the recommendations presented in ARM's October 11, 2024, geotechnical engineering report.

7.0 RECOMMENDATIONS FOR SITE PREPERATION

The following recommendations are presented based upon the field and laboratory geotechnical data reported and contained herein. These recommendations should be revisited if design conditions are modified from the understandings and assumptions noted herein.

7.1 Grubbing

All surface materials including, grasses, topsoil, root matt, and/or scrub brush, etc. should be removed from within the proposed addition footprint limits to a distance of 5 feet outside the addition limits and beneath any proposed new bituminous concrete pavement surface covering. It is estimated that this surface is about 6 inches thick. More or less could be encountered at locations away from the test boring.

7.2 Utility Removal

Any utilities occupying the underground beneath the footprint plus 10 feet should be excavated and relocated outside the proposed additions footprint. Any abandoned utility that remains should be cut, grouted closed and capped.

7.3 Existing Structures

From our literature search, residential properties occupied the site prior to the construction of the existing school. If during excavation any remnant foundations are encountered, ARM should be contacted and the remnant structures should be evaluated for likely removal from this site including all floor slabs and foundations. Additional field exploratory efforts would likely be performed in this area to ensure all former structures are removed.

7.4 Undercutting/Cutting

Undocumented fills create potential for excessive settlement and ARM recommends that the undocumented fills should be undercut and replaced with engineered fills within the building footprint. This includes 1H:1V downward and outward plan from the edge of all foundations. The test borings indicate that the undocumented fill depths range from 4 to 10 feet below the existing grade. More or less fill may be present in the balance of the site. Type I or Type 4 aggregates as defined in the NYSDOT Standard specification should be used for all engineered fill. Alternate engineered fills must be approved by the geotechnical engineer. The native site GM and GP-GM soils will also be suitable backfill material.

7.5 Proofrolling

With the proposed building addition immediately adjacent to the existing structure, proofrolling with significant vibration equipment may induce settlements to the existing structure. The use of the large vibratory roller should be restricted in the zone from the existing building to not less than 10 feet outside the building. Smaller, automated or hand operated rollers/compactors (±15,000 lbf) should be used in this zone.

At the direction of the project geotechnical engineer both the foundation base and floor slab subgrade will need to be proofrolled prior to the placement of any grade adjustment fill. Prior to proofrolling, the site may need to be dried to achieve the range of acceptable moistures to facilitate compaction. Based upon the gradation analysis performed on the existing soils, proofrolling should be accomplished with a vibratory roller capable of developing a dynamic force of at least 65,000 lbf in addition to a static load of 10 tons. Please note the large roller should not be allowed within 10 feet of the existing structure. The roller should not exceed 1 mph. The area to be proofrolled should be completely traversed in both directions two (2) times minimum to identify any soft or weak areas. Those areas that have been identified as weak areas should be undercut to a stable strata and replaced with an engineered (load-bearing) fill. With the existing soils, no proofrolling should be accomplished without the presence of the geotechnical engineer. Once the proofroll program has been completed, the proofroll surface should be compacted to achieve a compaction level of 95% ASTM D1557. This will include all trench excavations for foundations. Upon completion of proofrolling, the site should be backfilled to grade with engineered (load-bearing) fill.

7.6 Benching

Where new fills are to be placed and where the existing ground surface is steeper than to 6H:1V benching of the new fills into the existing ground will be required. Benching and filling should begin at the lowest site location first. Each fill bench should be cut into the existing site materials 5 feet for every 4 feet of vertical height.

7.7 Temporary Excavation Slopes

The site soils should be classified as an OSHA Type C soil based upon the general observed gradations and consistent with Figure 8.7.

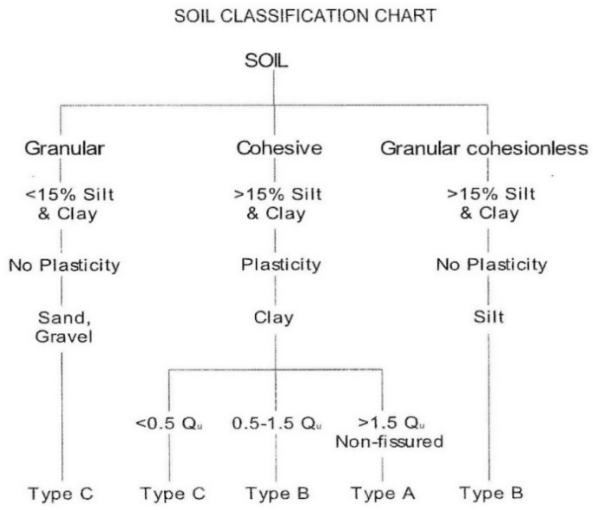


Figure 7.7 – Soil Classification Chart

Any excavation slope that will exist for a period less than 6 months is considered temporary. All temporary slopes are recommended to be constructed not less than 1.75H:1V or flatter depending on the response of the materials. The slopes should comply with all applicable requirements of OSHA and other Federal, State and Local governing bodies. The Contractor should understand temporary slopes are the Contractor's responsibility and should be continuously monitored to ensure stability. All sloughages, slips, etc. should be immediately repaired to protect the integrity of the slopes.

7.8 Permanent Slopes

It is recommended that all permanent earth slopes should be not steeper than 2.5H:1V. Due to the granular nature of the site soils, soil slopes in this area have a propensity to slump after heavy rainfalls and spring thaws. These slumps are weaknesses in the embankment due to excess water pressure build-up. This pressure build-up could be the result of sand seams, soil fracturing and other geologic anomalies. Cuts into these conditions can suddenly release the water and weakness planes can develop. Slumps where they occur should be immediately addressed. The slumps should be cleaned of the failed material and replaced with RipRap (heavy stone armor). These repairs should be constructed rather quickly as the continued loss of soil from the embankment could result in significant instabilities to the embankment. These instabilities could create a general overall failure in the embankment.

7.9 Existing Site Soils

The undocumented fill material encountered in the upper 4 to 10 feet of the borings may be used as structural fill on this site, provided that the deleterious materials are first removed, and once removed, the final product is approved by the geotechnical engineer prior to placement. The requirements for deleterious materials are described in section 733 of the NYDOT Standard Specifications. The existing site soils underlying the undocumented fill are possibly alluvially derived soils which classify as silty gravel with sand (GM) and poorly graded gravel with silt and sand (GP-GM). The soils must meet several criteria to be acceptable as a structural fill for the foundations. Any miscellaneous materials encountered must first be removed. In addition, the oversize (+5") must be removed, and a minimum 95% ASTM D1557 (γd) density of 120 pcf will need to be achieved. If excessively moist onsite soil is to be reused and recompacted for the foundation, moisture conditioning to adjust the moisture values will be required. It is not recommended that any sandy silt (ML) soils (if encountered) be used for structural fills below foundations.

Soils with considerable fines (>30% passing the No. 200 sieve) are moisture sensitive. It is unlikely, but if these soils are encountered, the contractor should be advised any excessive movement over these soils generally result in weaving, rutting and site deterioration. This damage could ultimately result in increased site costs. All areas damaged by the contractor should be repaired immediately.

7.10 Site Grading

All site grading should be designed so that water flows away from the existing structure. Rain collection down leaders should not discharge directly adjacent to the building foundation

especially with the site fills. All leaders should be connected into the site storm water system.

7.11 Fill Placement

All fill should begin in the lowest area first, and should be placed in horizontal lifts. See Section 11 for additional details on fill soils. At the conclusion of daily fill placement, any open excavations should be covered to minimize water infiltration and damage to newly placed materials. If pooled water accumulates inside the excavation, the water should be pumped out as soon as possible and any saturated material should be removed and replaced with approved structural fill.

7.12 Earth Work Period

Earth work activities should be programmed to occur during the period when greatest drying potential can be achieved. That period is typically April through November. Earthwork efforts outside this time increment can result in delays and increased construction costs. Winter construction may require the use of an off-site manufactured aggregate fill. The following construction practices should be implemented to reduce the infiltration of water into the fine-grained site soils as well as rutting and site deterioration:

- Seal any exposed soils with a smooth drum vibratory roller at the completion of each workday.
- Grade the construction surfaces to provide positive drainage to the site stormwater system.
- Install where required a temporary construction drain (French drain) upslope of the construction area to direct surface and groundwater into the stormwater system.
- Where pooled water collects and positive drainage cannot be provided, the pooled water should be pumped immediately from the area.
- Create reinforced temporary construction roadways
- Do not allow indiscriminate construction traffic to traverse the site unless on designated construction roadways.

7.13 Unexposed Conditions

Due to the limited nature of geotechnical investigations and typical of construction at all sites, unexpected ground conditions may be encountered. If such conditions are encountered, they should be brought to the immediate attention of the geotechnical engineer, thoroughly investigated, removed, and replaced or repaired, as required.

7.14 Rock Excavation

Rock excavation is not anticipated at this site. However, if boulders greater than 1 cubic yard are encountered in the excavation, these materials should be considered as rock fill and removed in their entirety from the excavation. As a specific definition, any material that is not capable of being ripped with a single tooth ripper mounted on a CAT D8N class tractor, is considered rock. In trench excavation, rock should be defined as any material that cannot be removed with a CAT Model 352 with a bucket volume of 1 cubic yard and a draw bar pull not less than 56,000 lbs.

7.15 Environmental Issues

Environmental engineering and any site environmental assessments were beyond the scope of our services.

8.0 FOUNDATION RECCOMENDATIONS

Based upon the results of the test borings, conventional shallow foundations (continuous and individual spread footings) are proposed for this project. All foundations should bear either on engineered (load-bearing) fill (Section 11), or 95% of ASTM D1557 recompacted existing native soils where determined to be suitable by the geotechnical engineer. No foundations should bear on the undocumented fills.

8.1 Conventional Foundation

The shallow foundation system should be proportioned for the total dead and sustained live loads so as to not exceed an **average allowable net bearing value of 4,000 psf.**

Continuous wall footings should have a minimum width of **2 feet** and individual column footings a minimum width of **3 feet**. The exterior below grade wall should be reinforced concrete and structurally connected to the foundation.

From our analysis, the estimated total and differential post construction settlements should not exceed 1 inch total and ¾ inch ± differential respectively.

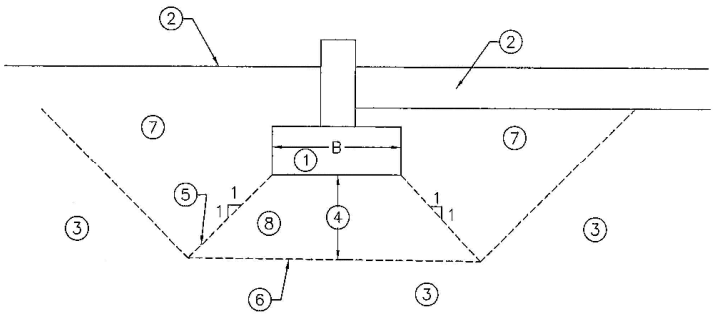
8.2 Foundation Minimum Depth

All foundations exposed to freezing conditions should be placed at a minimum depth equal to 52 inches below the exposure surface. Interior heated space footings should be placed at a minimum depth of 24 inches below the top of the slab.

8.3 Shallow Foundation Construction and Inspection

All excavations should be thoroughly inspected and examined by a qualified geotechnical engineer or geotechnical technician to evaluate the quality of bearing materials. Any soft, loose, or otherwise detrimental possible materials encountered in the excavation should be removed and replaced with load-bearing fill depending on foundation bearing design conditions.

Where undercutting is required due to local conditions, the undercut beneath the foundations should generally be performed in accordance with the generic detail provided in Figure 8.3 below.



1. Footing Width
2. Floor Slab And Base or Exterior Grade
3. Existing Site Materials
4. Undercut Depth
5. Proportioning Line for Undercutting Limits, Not A Construction Line
6. Base or Undercut Compact Existing Grade (95% ASTM D1557)
7. Load Bearing Fill Compacted to 95% ASTM D1557
8. Select DOT Structural Subbase Fill. Compacted to 95% ASTM D1557

Figure 8.3 – Foundation Preparation

If a large boulder is encountered within the excavation for foundations, the boulder should be completely removed from the excavation. **It should be anticipated that some additional undercutting beneath areas of the foundation excavation will be required.** Conditions weakened by construction disturbances should be repaired or additionally undercut to a firm stratum.

It is highly recommended that excavations should not remain open for any significant length of time. Only sufficient excavation should be opened that can be successfully completed in one (1) day. Any foundation that remains open greater than one (1) day should have a 3" mud sill placed to protect the foundation bottom from disturbances. The mudsill can be ±3" in thickness of low strength (1,000 psi) fill concrete. Foundation concrete should be cast in forms. All concrete should be placed in accordance with the recommended practices of the American Concrete Institute.

8.4 Sheeting Shoring and Excavation Bracing

Excavation bracing will be required where excavations exceed 4 feet or cannot be laid back to temporary slope requirements. Excavation bracing can be sheet pile walls, soldier beam and lagging, soil nail walls, etc.

If temporary sheeting, shoring, slope lay backs, embankment or excavation bracing of any kind or character are required, these temporary conditions are in the exclusive control of the contractor. Prior to construction the contractor will provide to the Architect/Engineer a detailed plan providing a narrative of construction, sequencing with a design plan, cross sections and calculations confirming that the approach to be used will remain safe, stable and create no unwanted movements to existing structure, slopes, utilities, pavements, etc. This plan shall conform to all OSHA, Federal, State, and Local or other agencies which provide standards to protect the public. The plan shall bear the signature and seal of a registered professional engineer

whose regular practice encompasses the preparation of this type of engineering plans and calculations. The engineer shall be registered in the state of the project.

The submission to the architect/engineer is not for acceptance or review but strictly to be able to document the work during construction for conformance to the submitted plans and specification provided.

8.5 Seismology

Analysis of earthquake induced strong ground motion is a multi-discipline study of geology, soil mechanics, seismology, structural dynamics, mechanical vibration, probability, and statistics. It is an evolving science. Great research efforts are undertaken annually through the federal, state and private sectors to develop accurate methods of prediction, analysis, design and retrofit to lessen the impact of potentially catastrophic earthquakes. The seismic structural portion of the IBC greatly simplifies the underlying science of strong ground motion and is incorporated into the IBC and ASCE-7. We have included portions of ASCE 7-16 here. The entire code and commentary should be consulted before proceeding with the design.

Table 8.5 – Seismic Site Class Definitions

Site Class	$\bar{v}_s$	$\bar{N}$ or $\bar{N}_{ch}$	$\bar{s}_u$
A. Hard Rock	>5,000 ft/s	NA	NA
B. Rock	2,500 to 5,000 ft/s	NA	NA
C. Very Dense Soil and Soft Rock	1,200 to 2,500 ft/s	>50	>2,000 psf
D. Stiff Soil	600 to 1,200 ft/s	15 to 50	1,000 to 2,000 psf
E. Soft Clay Soil	<600 ft/s	<15	<1,000 psf
	Any profile with more than 10 ft of soil having the following characteristics: -Plasticity index $PI > 20$ -Moisture content $w \geq 40\%$ -Undrained shear strength $\bar{s}_u < 500\ lb/ft^2$		
F. Soils Requiring Site Response Analysis in Accordance with Section 21.1	See Section 20.3.1 (ASCE 7-16)		

*Table based on ASCE 7-16 Table 20.3-1

For this site, the ranking for ground movement established by IBC and in ASCE 7-16 indicates the site classification is “D”, and the seismic design category is “B”. Per the 2020 Building Code, the adapted IBC of New York State, additional seismic analysis is only required for seismic design class “C” through “F”.

8.6 Soil Corrosivity

Corrosion laboratory testing was conducted on a composite of two samples collected from test boring B-4 from 4 to 8 feet bgs. Below is a summary of the results along with the corresponding corrosion potential. The results are also presented in Appendix C.

The conditions promoting corrosion include:

- Low resistivity of ground;
- High concentration of chlorides and sulfides in ground or groundwater;
- Too low or too high hydrogen potential (pH) of ground or groundwater;
- High saturation conditions; and
- Stray currents

Table 8.6.1 – Corrosion Potential Classification

Test	Units	Strong Corrosion Potential/Aggressive	Mild to no Corrosion Potential/Non-Aggressive	ASTM Standard	AASHTO Test Method
pH	-	<4.5,>10	5.5<pH<10	G51	T 289-91
Resistivity	ohm-cm	<2,000	Greater than 5,000	G57	T 288-91
Sulfates	ppm(1)	>200	Less than 200	D516	T 280-91
Chlorides	ppm	>100	Less than 100	D512	T 291-91
Stray Current	-	Present	-	-	-

(1) parts per million.

Table 8.6.2 – Corrosion Laboratory Testing Results

Test	Result	Corrosion Potential
pH	7.8	Low
Resistivity	35,457 ohm-cm	Low
Sulfates	105 ppm	Low
Chlorides	93 ppm	Mild

Based on the results of the corrosion testing, the corrosion potential of the soils is relatively low and Type I/II concrete can be used. Due to the slightly elevated chloride levels, corrosion protection for steel exposed to the existing site soils should be considered.

9.0 FLOOR SLABS

Based upon the alternatives and review of the test borings for the conventional foundation system, the floor slab is recommended to bear at grade on engineered fill. All undocumented fill in the building footprint should be undercut as described in Section 7.4 of this report. Prior to the placement of engineered fill to grade for the floor slabs. The floor slab area should be proofrolled in accordance with Section 7.5 of this report. A subgrade modulus **(k_s)** of **140 psi/in** can be used for the design of the floor slab. Immediately prior to floor slab construction, the entire subgrade should be densified and recompacted. Any soft areas which develop should be undercut and replaced with a load bearing fill.

After the subgrade is prepared it is recommended that a well graded 6" granular base course be placed including a 15-mil vapor barrier, taped and sealed. The base course should consist of gravel or crushed stone equivalent to an AASHTO No. 57 coarse aggregate. The vapor barrier should be placed in accordance with current recommended guidelines of ACI.

The maximum joint spacing for concrete to reduce the amount of floor slab cracking should not exceed 3xT in feet, where T is slab thickness in inches (not greater than 15 feet in width). However, it should be noted that even at this spacing slab cracking has developed.

With the advent of more environmentally compliant low VOC glues, we have encountered a number of instances where the glues have not adhered to the concrete floor substrate. Vapor emissions from concrete can occur for a length time (more than 1 year) after placement. Additionally, moisture in the capillary zone before concrete floor slab placement can eventually through thermal diffusion move upwards through the slab affecting the glue. We have encountered significantly fewer incidents where permeability reduction agents such as Barrier One have been added to the concrete or where a penetrating water sealer has been added to the surface of the concrete. If impermeable surface coverings are proposed it is recommended that the concrete surface should include either a sealer or Barrier One type protection.

For concrete moisture transmission testing, both calcium chloride tests and relative humidity tests should be conducted, prior to floor covering placement.

10.0 RETAINING WALLS

10.1 Earth Pressure Coefficients

It is ARM's understanding that retaining walls are not part of this project. If retaining walls are required, the following recommendations are presented based upon the test borings drilled. Retaining walls designed for active earth pressure should be calculated based upon the Rankine stress relationship, where the earth pressure coefficients are defined below. Wall friction angle is also provided for Coulomb analysis.

Table 10.1 – Earth Pressure Soil Parameters

Coefficient	Silty Gravel with Sand (GM)	NYDOT Type 1/Type 4 Aggregate
ø	32	34
c (psf)	0	0
γ_{moist}, (pcf)	125	140
δ	20	22

10.2 Coefficient of Lateral Sliding Friction

Lateral resistance for site retaining walls that are not braced by other structural elements should be developed through a combination of friction and passive pressure. A coefficient of friction **(f) of 0.45** is recommended for friction between the wall foundation and soil bearing materials.

10.3 Active/Passive Earth Pressure

Active and passive pressure against the embedded portions or retaining walls and foundations may be computed from the Rankine relationship, where load-bearing fill is being placed against the walls and foundations or the foundations are poured directly against their excavations. The passive pressure for the upper fifty-two (52) inches of the wall should be neglected.

1. Soil: $k_a = \tan^2(45° - ø/2)$ (1)
2. Soil: $k_p = \tan^2(45° + ø/2)$ (2)

10.4 At Rest Retaining Walls

Structural retaining walls which are restrained from deflection should be designed for the condition of at-rest lateral earth pressure (k_o). These earth pressures should be calculated assuming the following.

1. Soil: $k_o = 1 - \sin(ø)$ (3)

The walls should be additionally designed to resist the uniform lateral pressure equal to 0.75 of any expected live loads at the top of the backfill. These below grade walls should also be provided

with a suitable waterproof covering to preclude moisture infiltration. If the walls cannot be adequately drained, they should be designed for full hydrostatic pressure.

10.5 Retaining Wall Drainage

Behind all walls a vertical drainage blanket should be constructed. The blanket should be a minimum of one foot in thickness. The drainage material should be consistent with the grading characteristics of AASHTO Type 57 Stone. Separating the drainage stone from the adjacent soils should be a geotextile drainage filter having the minimum characteristics of Mirafi 180N.

For k_a/k_p conditions, a minimum of four-inch weep holes should be placed six inches above the retained grade at 8 feet on centers. The weep holes should be backed with a screen to resist drainage aggregate movement. For k_o conditions, the vertical drainage blanket should be connected into a foundation drain.

11.0 ENGINEERED (LOAD-BEARING) FILL

Any engineered (load-bearing) fill required to raise a portion of the site to the design grade, including parking areas, engineered (load-bearing) fill required as backfill behind retaining walls, and if necessary engineered (load-bearing) fill utilized for the support of spread and/or wall footings where undercutting of soft or loose soils might be necessary should be placed and compacted in accordance with the following recommendations. In addition, all engineered (load-bearing) fill should extend outside the perimeter of the upgrades 6 feet.

11.1 Fill Materials

The existing undocumented fills may be used as structural fill on this site, provided that the deleterious materials are first removed, and once removed, the final product is approved by the geotechnical engineer prior to placement. The requirements for deleterious materials are described in section 733 of the NYDOT Standard Specifications. In addition, existing soils placed as fill must achieve a minimum compacted dry density of at least 120 pcf to be acceptable. All stockpiles should be protected from adverse conditions. Where the lack of protection is attributed to the stockpile moisture unsuitability, the contractor should be required to replace the unsuitable materials in the stockpile on a yd./yd. basis. If off-site borrow is required, the borrow materials should meet the criteria for New York Department of Transportation (NYDOT) Type 1 or Type 4 select granular fill in accordance with Section 733-04 of the NYDOT Standard Specifications.

It is possible for alternate borrow material to be used providing it is acceptable to the geotechnical engineer. No asphalt recycled materials should be allowed beneath the structure. Any recycled material proposed for use, should be reviewed with the geotechnical engineer prior to its use.

11.2 Compaction Requirements

11.2.1 Foundations and Floor Slabs

All engineered (load-bearing) fill beneath foundations and floor slabs should be placed in approximately horizontal lifts not exceeding a loose thickness of 10 inches for heavy compaction equipment, 4 inches with mechanical hand methods. All fill placed beneath floor slabs, foundations and any other surface cartways (parking lots) where structural capacity needs to be achieved shall be compacted to at least 95% of the maximum modified density achieved in ASTM D1557, latest edition. The moisture content of all engineered (load-bearing) fill should be maintained within ± 2% of the optimum values as determined in ASTM D1557, latest edition. Structural filling within the building area should be suspended when moisture contents extend beyond these limits. Wetting or drying may be necessary to achieve this requirement.

11.2.2 Utility Trenches (Where Required)

Once the protective fill is placed over the pipes as required (sand, gravel, etc.) utility trench backfill shall be placed in horizontal lifts not to exceed 8" in thickness and compacted to a density not less than 95% of ASTM D1557 with moisture content variation not greater than ±2% of the optimum

values up to 3 feet below ground surface. The upper three feet of the trench backfill should be compacted to 97% of ASTM D1557 with moisture content variation not greater than ±2% of the optimum values. As an alternate, flowable fill can be used to backfill the trenches.

11.3 Fill Inspection

Observations, inspections and testing services are considered an extension of our geotechnical services for consistency and understanding of the geotechnical report and how the recommendations were developed. It is considered the observation, inspections and testing of site soils is an extension of our geotechnical services. With the technical nature of this project, it is highly recommended that all site excavations, engineered (load- bearing) fill construction or specialized geotechnical contracting be performed under the observation of ARM. Our engineering technician will observe and document the construction and make appropriate field tests, as necessary, to determine that acceptable fill materials are being used and that the construction is being performed in accordance with the plans, specifications, and good construction practices. Based upon past experience, the most effective fill inspection is obtained by the continuous presence of our qualified inspector while fill construction is in progress.

11.4 Testing and Observation Frequency

All fills placed at the site should be placed under the continuous observation of a geotechnical engineering firm whose engineering technician reports directly to a registered geotechnical engineer. As a minimum testing frequency, the following is recommended. It should be noted the actual engineering technician should determine the frequency of testing.

11.4.1 Mass Fill

Every lift. Not less than one (1) test/day. Not less than one (1) test for each 5,000 ft^2 of fill placed. At least one (1) initial proctor test should be performed with the corresponding gradation. A gradation check should be performed for each 5,000 yd^3 of fill used at the site.

11.4.2 Backfill

Every lift. Not less than one (1) test/day. One (1) test each 50 lineal feet of backfill placed. At least one (1) initial proctor should be performed with its corresponding gradation and one (1) proposed alternate material. During construction, at least one (1) gradation check should be performed for each 2,500 yd^3 of material used.

12.0 GROUNDWATER CONTROL

12.1 Perimeter Drain

It has been our experience that the use of a perimeter drain has reduced the surface water infiltration from impacting the soils beneath the foundations and reducing the potential for settlement and heave. Therefore, we are recommending the foundation be provided with a permanent drainage system. The subdrain pipe component should be a minimum of 6 inches in diameter and sloped to drain (>0.005 inches). The perimeter drain should be located at the base of the footing. The drainpipe should be surrounded by a drainage course consisting of coarse aggregate material and should be wrapped in a non-woven, needle-punched geotextile (Mirafi 180N or equal). Minimum overlap between adjacent sheets of geotextile should be 18 inches, or in accordance with the manufacturer's recommendations. The drainage pipe should be drained to a suitable gravity outfall which is not subject to storm water surcharge during periods of precipitation, or pumped.

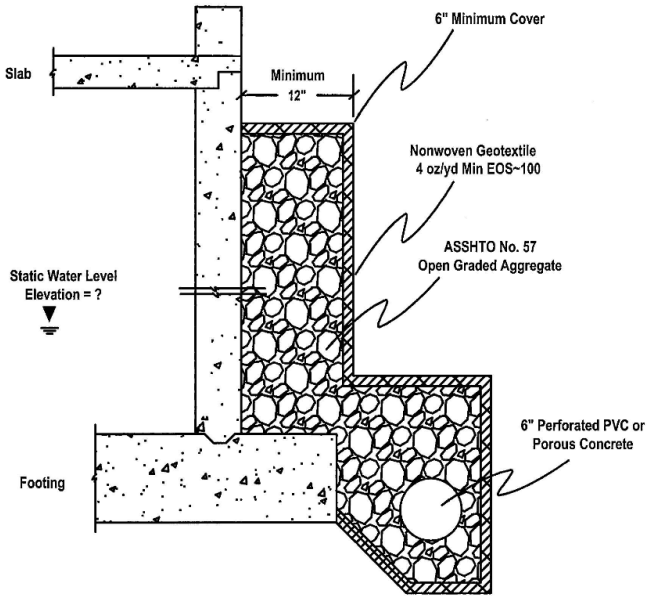


Figure 12.1 –Perimeter Drain Detail

12.2 Excavation Dewatering

A major excavation dewatering program is not anticipated to be necessary at this site. However, some excavation dewatering should be anticipated. This could include construction drains and sumps to collect and discharge site water. Indiscriminate accumulations of water at this site will potentially create unstable and weak soils. Groundwater seepage will also need to be expected. Uncontrolled seepage will cause yielding in the impacted soils. If groundwater is encountered, ARM should be contacted to evaluate. The site contractor should be prepared to maintain a dry excavation.

13.0 PAVEMENT

It is our understanding that a new parking lot is proposed to be constructed along with the proposed building additions. Prior to placement of subbase below the proposed pavement, the subgrade should be proofrolled and recompacted to 95% ASTM D1557. See Section 11 for load-bearing fill discussion. Upon recompaction of the subgrade a subgrade resilient modulus of 6,300 psi should be achieved. In addition to recompacting the subgrade, ARM recommends placing an Mirafi HP370 geotextile in the heavily traversed areas prior to placement of the subbase.

We suggest pavement thicknesses as follows based upon a subgrade modulus of 6,300 psi. These suggested pavement thickness should not be incorporated into the design without discussion with the Civil Engineer.

Table 13.0 – Recommended Pavement Sections

Structure	Structural Coefficient	Standard Duty Minimum Thickness (inches)	Heavy Duty Minimum Thickness (inches)
NYDOT Type 1/Type 4 Subbase	0.14	6	8
Asphalt Base Course	0.4	3.5	4.5
Asphalt Top Course	0.44	1.5	1.5
Geotextile	-	None	1 Layer

14.0 REFERENCE PUBLICATIONS

Rickard, L.V., Isachsen, Y.W., and Fisher, D.W., New York State Museum and Science Service, Map and Chart Series 15, 1970, Geologic Map of New York: Finger Lakes Sheet.

United States Department of Agriculture, Soil Conservation Service, March 1971. Soil Survey of Broome County, New York.

15.0 LIMITATIONS

This revised report has been prepared to aid in the evaluation of the site for the proposed addition to the Theodore Roosevelt Elementary School in Binghamton, NY. Project stakeholders must understand that recommendations have been provided to serve as a partial basis for decision making. Additional investigations may be necessary.

Regardless of the thoroughness of a geotechnical exploration, there is always a possibility that conditions between test locations will be materially different from those encountered at the specific testing locations. In addition, soil and groundwater conditions may become altered by construction activities and the passage of time. These possibilities should be fully considered by the designers and contractors.

Any reports prepared by ARM (Consultant) are for general geotechnical information purposes only and are intended for the exclusive use of the Client for the Project and the scope of services defined in the agreement for professional services between Client and Consultant for the Project. No 3rd Party reliance is permitted or provided for this report.

Client acknowledges that further design and engineering services are necessary to establish a basis for design engineering, cost and quantity estimating, and construction work for the Project, including but not limited to excavation, foundations, pavement, dewatering, removal of unsuitable materials, or related aspects of engineering and construction. Accordingly, Client shall not rely on these reports to prepare bids or estimates for design engineering and construction work. A more fully developed scope of investigation, analysis and consultation will be required for further design and engineering and quantity estimation purposes.

These analyses and recommendations are, of necessity, based on the information made available to us at the time of the actual writing of the report as well as site conditions, surface and subsurface within only the depths investigated and existing at the time of the exploratory test borings and test pit in relations both to the areal extent of the site and to the investigate depth are representative of conditions across the site. If subsurface conditions are encountered which differ from those reported herein, ARM should be notified immediately so that the analyses and recommendations can be reviewed and/or revised as necessary. It is also required that:

(1) ARM-NY Inc. PC be present at the site during the construction phase to verify installation according to approved plans and specifications. This is particularly important during excavation placement, compaction of fill material.

(2) This report consists of a set of engineering opinions developed for use in interpretation of the generalized geotechnical conditions exposed at this site. This report is not considered to be a specification nor shall this report be used as a specification.

ARM's professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted principles and practices. This warranty is in lieu of all other warranties either implied or expressed. ARM-NY Inc. PC assumes no responsibility for interpretations made by others based on work or recommendations made by ARM-NY Inc. PC. By receiving this report and using it in any manner, the client or any other person accepts that no individual is personally liable whether in tort, contract for breach of statutory duty or otherwise.

The report contained herein is proprietary and was prepared exclusively to aid the design process. The report is copyrighted.

16.0 DISCLAIMER

All available data contained in this report concerning subsurface materials or conditions, whether based upon soundings, test pits, or otherwise, has been obtained by the retained Geotechnical Consultant for his own use in designing this project. Its accuracy or completeness is not guaranteed by the Geotechnical Consultant, and **IS NOT PART OF THE CONTRACT PLANS OR SPECIFICATIONS. CONTRACTORS MUST ASSUME ALL RISKS AS THEY MAY RELATE TO THIS GEOTECHNICAL REPORT** for this project and shall not be entitled to rely on any subsurface information obtained from the retained Geotechnical Consultant and contained in this report. Contractors shall therefore make their own investigation of existing subsurface conditions, and if they do not do so, neither the Geotechnical Consultant nor Owner will be responsible in any way for the consequences.

Appendix A
Maps



AERIAL MAP

SCALE: NTS

THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

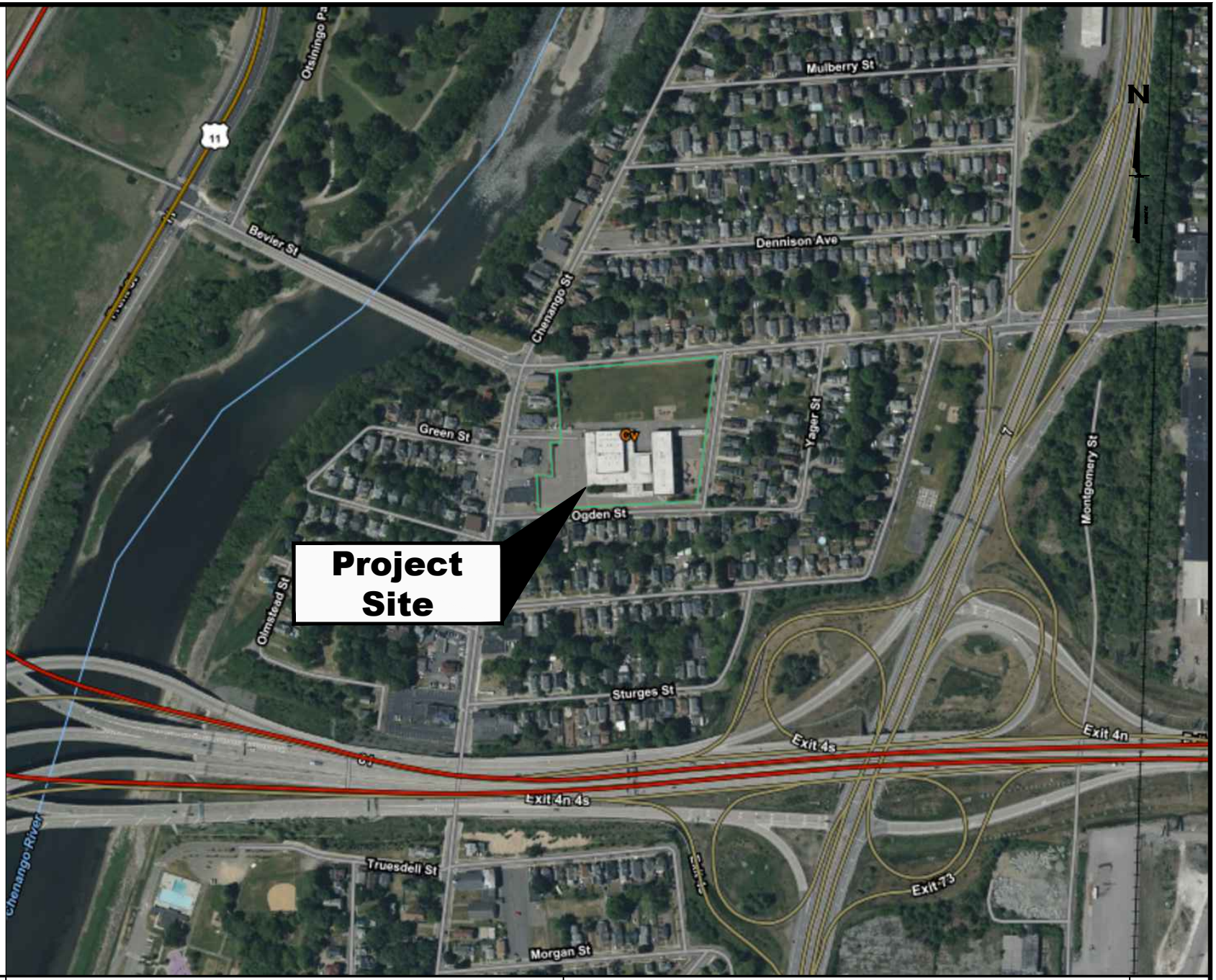
SHEET NO. 1

DATE 07/16/2025

PROJECT # 25011401.00

Soil Descriptions:

Cv Cut and fill lands, gravelly materials



SOILS MAP

SCALE: NTS

THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

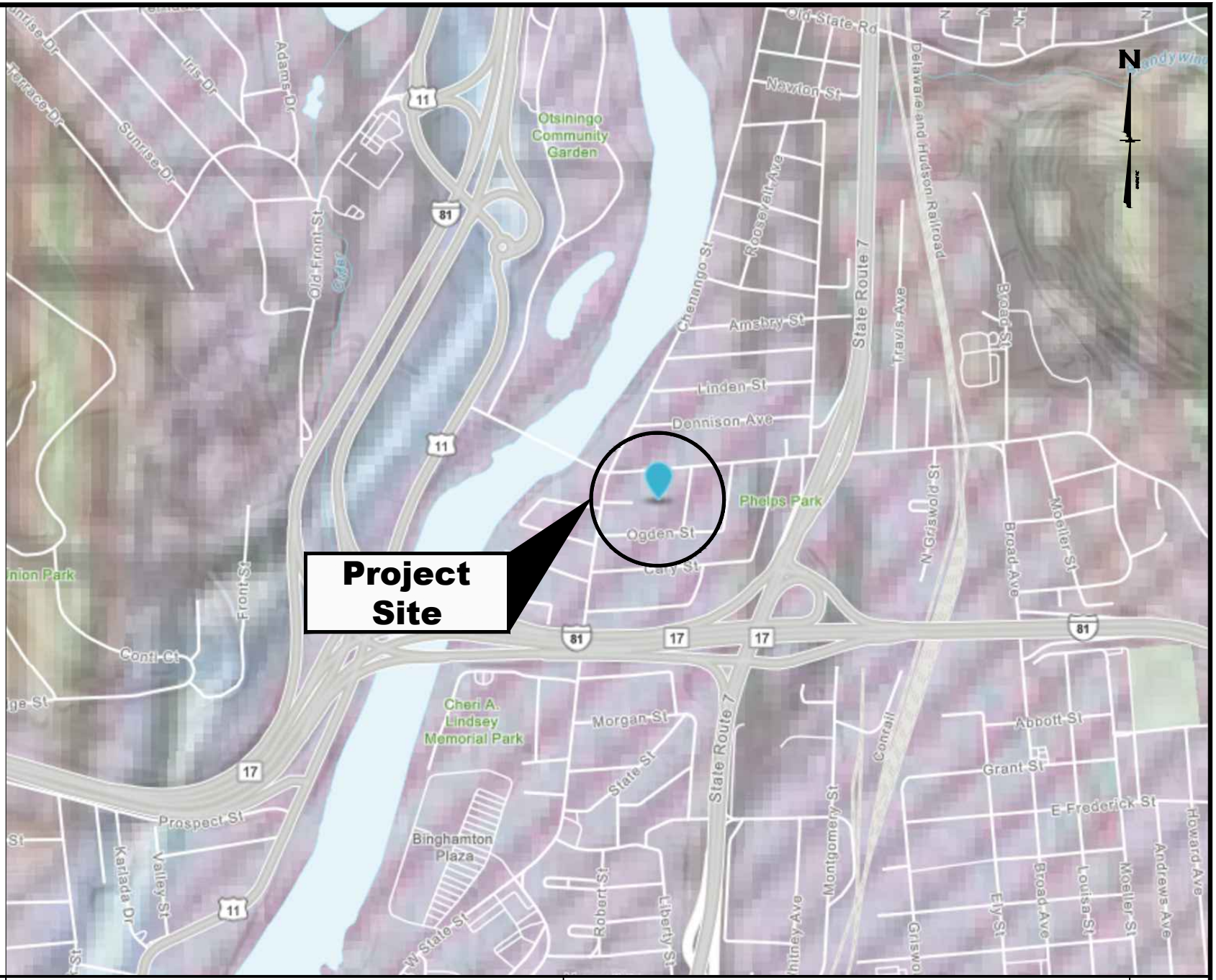
SHEET NO. 2

DATE 07/16/2025

PROJECT # 25011401.00

Geologic Descriptions:

The Sonyea consists of a basal black shale, the Middlesex Shale Member, and an upper gray shale with limestone nodules, the Cashaqua Shale Member. Members grade eastward into sequence of siltstone and silty shale, which is part of the general turbidite facies of the Catskill delta. The Middlesex is about 65 ft thick in the reference section 0.8 mi south of the village of Middlesex, Yates Co., NY.



GEOLOGIC MAP

SCALE: NTS

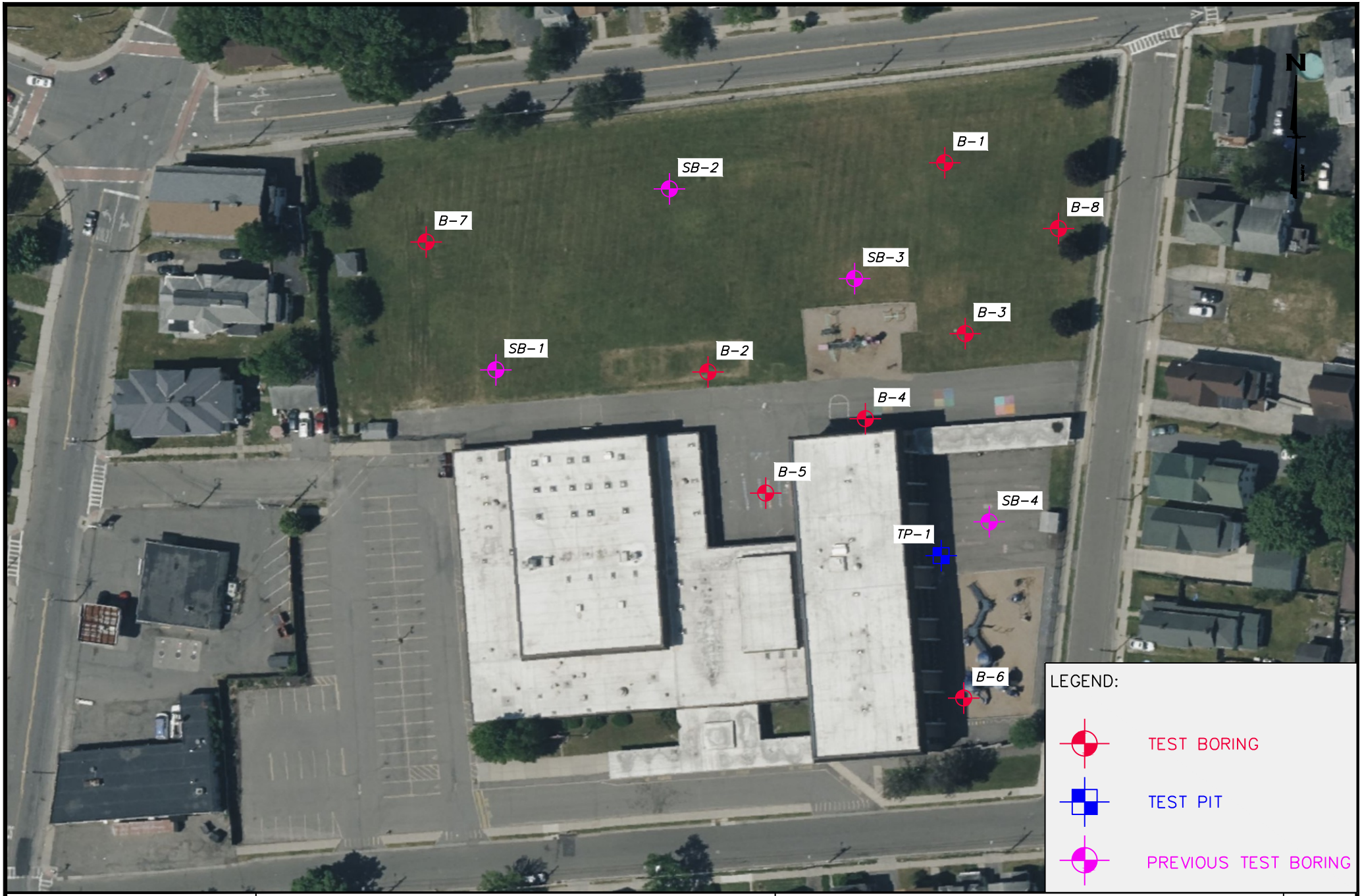
THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

SHEET NO. 3

DATE 07/16/2025

PROJECT # 25011401.00



TESTING LOCATION MAP

SCALE: 1" = 80'

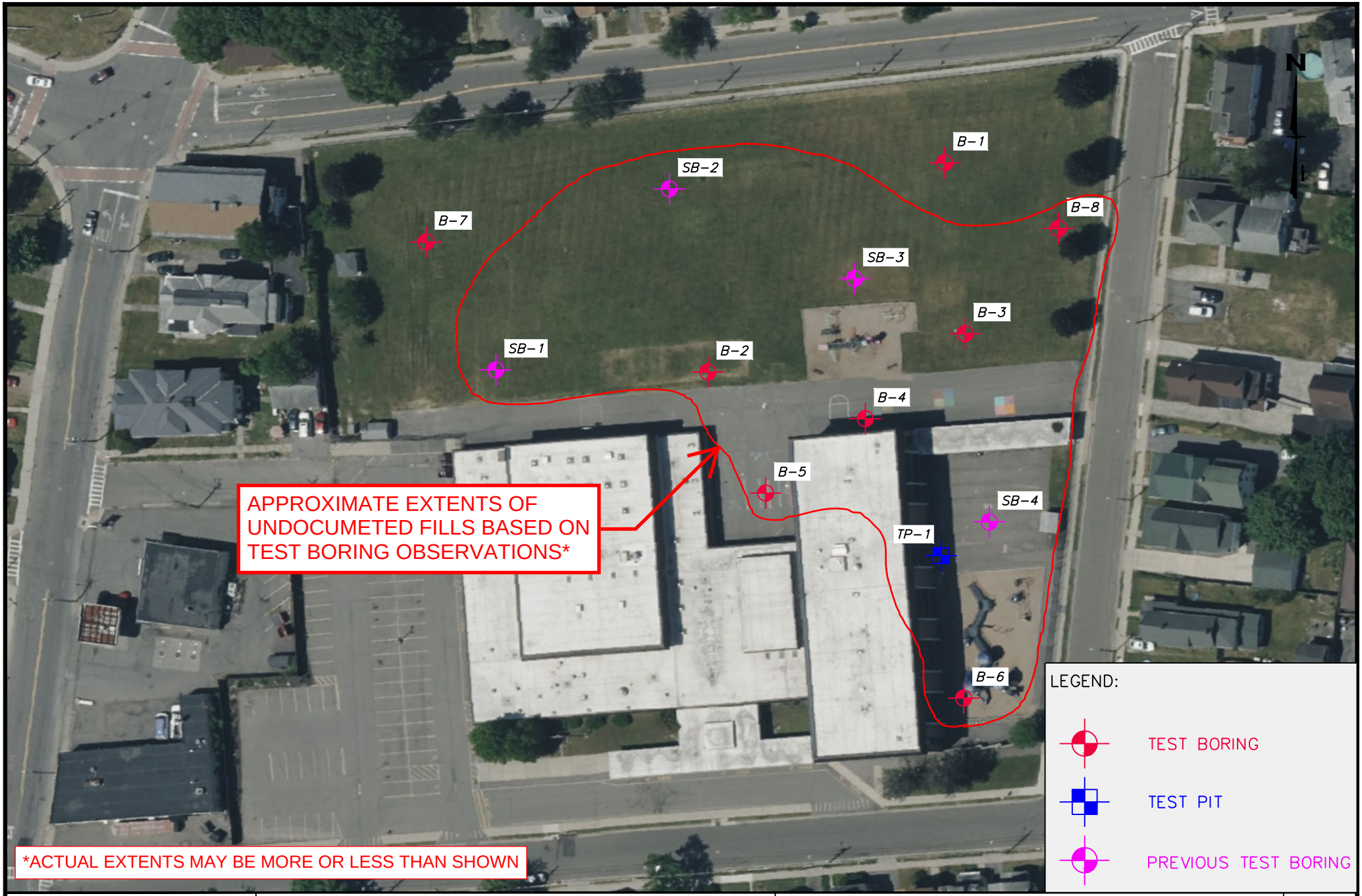
THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

SHEET NO. 4

DATE 07/16/2025

PROJECT # 25011401.00



TESTING LOCATION MAP

SCALE: 1" = 80'

THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

SHEET NO. 4A

DATE 07/16/2025

PROJECT # 25011401.00

Appendix B
Test Boring and Test Pit Logs

Key to Soil and Rock Classifications

HARDNESS CLASSIFICATION OF INTACT ROCK FROM CORE SPECIMENS

HARDNESS	FIELD TEST
EXTREMELY HARD	MANY BLOWS WITH GEOLOGIC HAMMER REQUIRED TO BREAK INTACT SPECIMEN.
VERY HARD	HAND HELD SPECIMEN BREAKS WITH HAMMER END OF PICK UNDER MORE THAN ONE BLOW; LEAVES FAINT GROOVE WHEN SCRATCHED WITH KNIFE.
HARD	CANNOT BE SCRAPED OR PEELED WITH KNIFE; HAND HELD SPECIMEN CAN BE BROKEN WITH SINGLE MODERATE BLOW WITH PICK.
SOFT	CAN JUST BE SCRAPED OR PEELED WITH KNIFE; INDENTATIONS 1-3 MM SHOW IN SPECIMEN WITH MODERATE BLOW WITH PICK; SIMILAR TO CONCRETE.
VERY SOFT	MATERIAL CRUMBLES UNDER MODERATE BLOW WITH PICK AND CAN BE PEELED WITH KNIFE; CAN BE SCRATCHED WITH FINGERNAIL.

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 9.

WEATHERING CLASSIFICATION

GRADE	DIAGNOSTIC FEATURES
FRESH	NO VISIBLE SIGN OF DECOMPOSITION OR DISCOLORATION; SPECIMEN RINGS UNDER HAMMER IMPACT.
SLIGHTLY WEATHERED	SLIGHT DISCOLORATION INWARDS FROM OPEN FRACTURES, OTHERWISE SIMILAR TO FRESH.
MODERATELY WEATHERED	DISCOLORATION THROUGHOUT; WEAKER MINERALS SUCH AS FELDSPAR DECOMPOSED; STRENGTH SOMEWHAT LESS THAN FRESH ROCK BUT CORES CANNOT BE BROKEN BY HAND OR SCRAPED WITH KNIFE; TEXTURE PRESERVED.
HIGHLY WEATHERED	MOST MINERALS SOMEWHAT DECOMPOSED; SPECIMENS CAN BE BROKEN BY HAND WITH EFFORT OR SHAVED WITH KNIFE; CORE STONES PRESENT IN ROCK MASS; TEXTURE BECOMING INDISTINCT BUT FABRIC PRESERVED.
COMPLETELY WEATHERED	MINERALS DECOMPOSED TO SOIL BUT FABRIC AND STRUCTURE PRESERVED (AKA SAPROLITE); SPECIMENS EASILY CRUMBLED OR PENETRATED.

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 7.

DENSITY OF GRANULAR SOILS

SPT N-VALUE (bpf)	DESCRIPTION	RELATIVE DENSITY (D_r) (%)	FIELD TEST
0 – 4	VERY LOOSE	< 15	½ -INCH (#4) BAR PENETRATED WITH LITTLE OR NO EFFORT BY HAND.
5 – 10	LOOSE	15 – 40	EASILY PENETRATED BY HAND. ROD WILL TAKE UP WITHIN 6 – 12 INCHES.
11 – 30	MEDIUM DENSE	40 – 70	DIFFICULTY IN PENETRATING BY HAND. ROD WILL TAKE UP WITHIN 3 – 6 INCHES.
31 – 50	DENSE	70 – 85	ROD PENETRATED 12 INCHES DRIVEN WITH 5 POUND HAMMER.
> 50	VERY DENSE	85 - 100	ROD PENETRATED A FEW INCHES DRIVEN WITH 5 POUND HAMMER.

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Figure 1

CONSISTENCY OF COHESIVE SOILS

SPT N-VALUE (bpf)	DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (Q_u) (tsf)	FIELD TEST
< 2	VERY SOFT	< 0.25	EXTRUDED BETWEEN FINGERS WHEN SQUEEZED.
2 – 4	SOFT	0.25 – 0.50	MOLDED BY LIGHT FINGER PRESSURE, EASILY PENETRATED.
4 – 8	MEDIUM	0.50 – 1.00	MOLDED BY STRONG FINGER PRESSURE, WITH MODERATE EFFORT.
8 – 15	STIFF	1.00 – 2.00	READILY INDENTED BY THUMB, PENETRATED WITH GREAT EFFORT.
15 – 30	VERY STIFF	2.00 – 4.00	READILY INDENTED BY THUMBNAIL.
> 30	HARD	> 4.00	INDENTED WITH DIFFICULTY BY THUMBNAIL

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 4

DISCONTINUITY SPACING

DESCRIPTION FOR STRUCTURAL FEATURES	SPACING	DESCRIPTION FOR JOINTS, FAULTS, OTHER FEATURES
VERY THICKLY	> 6 FEET	VERY WIDELY
THICKLY	2 – 6 FEET	WIDELY
MEDIUM	8 – 24 INCHES	MEDIUM
THINLY	2 ½ - 8 INCHES	CLOSELY
VERY THINLY	¾ - 2 ½ INCHES	VERY CLOSE
INTENSELY	¼ - ¾ INCHES	EXTREMELY CLOSE
VERY INTENSELY	< ¼ INCH	

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 8

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An ARM Group Company

LOG OF BORING

BORING NO. **B-1**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 783,279**
EAST **E 1,876,417**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-2-25**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-2-25**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT ▽
____ HOURS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
No Water Encountered

BORING METHOD

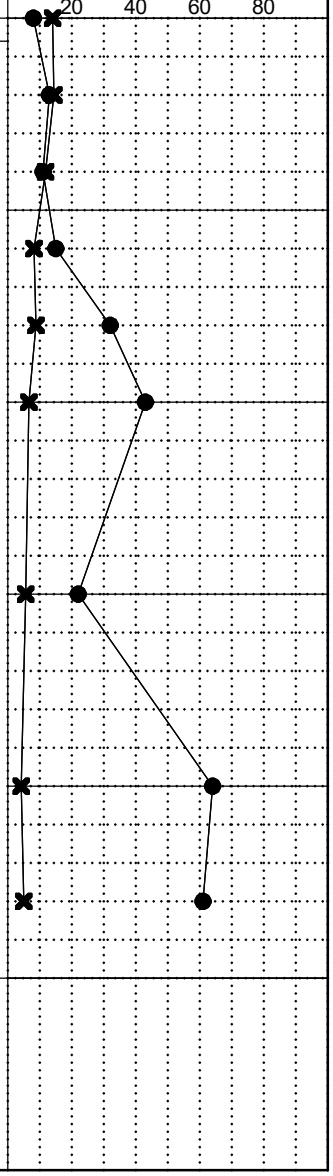
- [X] HOLLOW STEM AUGER
- [ ] DRIVING CASING
- [ ] CASING ADVANCER
- [ ] AIR ROTARY
- [ ] ROTARY DRILLING
- ____ DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- SPLIT BARREL **2 Inch O.D.**
- UNDISTURBED SAMPLE
- AUGER **3.25 Inch**
- ROCK CORE
- CASING SIZE

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
863.0	S-1		1 3 5 5	65				862.4 **TOPSOIL**
								POORLY GRADED GRAVEL with SILT and SAND (GP-GM)
	S-2		3 8 5 3	50				with cobbles, brown, loose to very dense, damp
5 858.0	S-3		3 3 8 5	20				
	S-4		6 8 7 6	35				
	S-5		9 12 20 18	65				
10 853.0	S-6		13 22 21 15	50				
15 848.0	S-7		10 9 13 19	55				
20 843.0	S-8		22 27 37 32	90				
	S-9		28 31 30 28	60				
25 838.0								838.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80



REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 863

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-2**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 783,147**
EAST **E 1,876,268**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-2-25**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-2-25**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT
____ HOURS AFTER DRILLING
____ DAYS AFTER DRILLING
____ DAYS AFTER DRILLING
No Water Encountered

BORING METHOD

- [X] HOLLOW STEM AUGER
- [ ] DRIVING CASING
- [ ] CASING ADVANCER
- [ ] AIR ROTARY
- [ ] ROTARY DRILLING
- DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- SPLIT BARREL **2 Inch O.D.**
- UNDISTURBED SAMPLE
- AUGER **3.25 Inch**
- ROCK CORE
- CASING SIZE

DEPTH AND ELEVN. (FT)	SAMPLE/CORE NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
862.0	S-1		1 2 5 7	50				861.5 **TOPSOIL** FILL: **SILTY SAND with GRAVEL (SM)** with traces of ash from 2'-4' and with ash, brick, glass, and concrete from 4'-6', brown, loose to medium dense, damp
	S-2		7 8 5 5	55				
5 857.0	S-3		5 4 3 3	50				856.0
	S-4		9 12 15 18	70				**POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with cobbles, brown, medium dense to dense, damp
	S-5		15 20 22 26	75				
10 852.0	S-6		17 16 25 27	70				
15 847.0	S-7		9 14 17 21	15				
20 842.0	S-8		18 17 14 12	60				
	S-9		15 20 15 14	70				
25 837.0								837.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80

REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 862

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An ARM Group Company

LOG OF BORING

BORING NO. **B-3**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 783,171**
EAST **E 1,876,430**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-3-25**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-3-25**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT ▽
____ HOURS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
No Water Encountered

BORING METHOD

- [X] HOLLOW STEM AUGER
- [ ] DRIVING CASING
- [ ] CASING ADVANCER
- [ ] AIR ROTARY
- [ ] ROTARY DRILLING
- ____ DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- SPLIT BARREL **2 Inch O.D.**
- UNDISTURBED SAMPLE
- AUGER **3.25 Inch**
- ROCK CORE
- CASING SIZE

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
862.0	S-1		1 4 5 4	20				861.4 **TOPSOIL** FILL: **SILTY SAND with GRAVEL (SM)** brown, loose to medium dense, damp
	S-2		4 5 6 5	15				858.0
5 857.0	S-3		3 4 7 7	20				FILL: **POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with cobbles, brown, loose to medium dense, damp
	S-4		5 6 4 3	15				854.0
	S-5		4 5 4 5	20				**POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with cobbles, brown, loose to medium dense, damp
10 852.0	S-6		5 5 5 11	50				
15 847.0	S-7		10 11 12 11	20				
20 842.0	S-8		13 10 17 10	55				
	S-9		12 11 10 8	40				837.0
25 837.0								EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80

REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 862

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-4**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 783,117**
EAST **E 1,876,367**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-2-25**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-2-25**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT
HOURS AFTER DRILLING
DAYS AFTER DRILLING
DAYS AFTER DRILLING
No Water Encountered

BORING METHOD

- [X] HOLLOW STEM AUGER
- [ ] DRIVING CASING
- [ ] CASING ADVANCER
- [ ] AIR ROTARY
- [ ] ROTARY DRILLING
- DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- SPLIT BARREL **2 Inch O.D.**
- UNDISTURBED SAMPLE
- AUGER **3.25 Inch**
- ROCK CORE
- CASING SIZE

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
862.0								861.6 **ASPHALT**
	S-1		5 4 2	100				FILL: **SILTY SAND with GRAVEL (SM)** brown, loose to medium dense, damp
	S-2		4 7 9 8	60				
								858.0 **POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with cobbles, brown, loose to dense, damp
5 857.0	S-3		4 3 5 6	65				
	S-4		8 9 11 19	65				
	S-5		11 11 9 10	50				
10 852.0	S-6		14 8 11 9	20				
15 847.0	S-7		4 6 11 16	30				
20 842.0	S-8		9 19 23 33	60				
	S-9		13 28 22 27	60				
25 837.0								837.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80

REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 862

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An ARM Group Company

LOG OF BORING

BORING NO. **B-5**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 783,070**
EAST **E 1,876,304**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-2-25**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-2-25**

GROUNDWATER
ENCOUNTERED DURING DRILLING AT
HOURS AFTER DRILLING
DAYS AFTER DRILLING
DAYS AFTER DRILLING
No Water Encountered

BORING METHOD
[X] HOLLOW STEM AUGER
[ ] DRIVING CASING
[ ] CASING ADVANCER
[ ] AIR ROTARY
[ ] ROTARY DRILLING
DEPTH MUD STARTED

SAMPLER TYPE AND DATA
[X] SPLIT BARREL **2 Inch O.D.**
[ ] UNDISTURBED SAMPLE
[ ] AUGER **3.25 Inch**
[ ] ROCK CORE
[ ] CASING SIZE

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
862.0								861.6 **ASPHALT**
	S-1	X	4 10 13	87				FILL: **SILTY SAND with GRAVEL (SM)** brown, medium dense to loose, damp
	S-2	X	11 9 8 4	30				
5 857.0	S-3	X	3 4 5 5	25				
								856.0 **POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with cobbles, brown, dense, damp
	S-4	X	7 11 27 27	60				
	S-5	X	25 25 16 22	75				
10 852.0	S-6	X	20 17 17 19	60				
15 847.0	S-7	X	11 12 12 11	50				
20 842.0	S-8	X	17 48 32 24	50				
	S-9	X	30 22 19 22	55				
25 837.0								837.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80

REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION
STATION:
OFFSET:
ELEVATION: 862

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-6**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 782,940**
EAST **E 1,876,429**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-3-25**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-3-25**

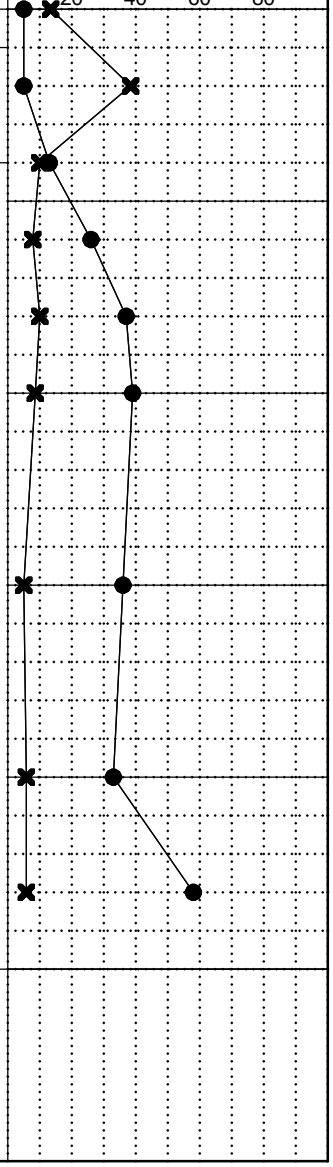
GROUNDWATER
ENCOUNTERED DURING DRILLING AT
HOURS AFTER DRILLING
DAYS AFTER DRILLING
DAYS AFTER DRILLING
No Water Encountered

BORING METHOD
[X] HOLLOW STEM AUGER
[ ] DRIVING CASING
[ ] CASING ADVANCER
[ ] AIR ROTARY
[ ] ROTARY DRILLING
DEPTH MUD STARTED

SAMPLER TYPE AND DATA
[X] SPLIT BARREL **2 Inch O.D.**
[ ] UNDISTURBED SAMPLE
[ ] AUGER **3.25 Inch**
[ ] ROCK CORE
[ ] CASING SIZE

DEPTH AND ELEVN. (FT)	NUMBER	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
861.0	S-1	2 2 3 3	50				
							860.0 **MULCH**
	S-2	1 2 3 4	30				FILL: **SILTY SAND with GRAVEL (SM)** with traces of coal, brown, loose, damp
							857.0
5 856.0	S-3	3 5 8 7	15				**POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with cobbles, brown, medium dense to very dense, damp
	S-4	8 11 15 18	50				
	S-5	16 20 17 21	85				
10 851.0	S-6	15 18 21 20	70				
15 846.0	S-7	8 20 16 18	45				
20 841.0	S-8	13 15 18 11	40				
	S-9	26 29 29 30	60				
25 836.0							836.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80



REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION
STATION:
OFFSET:
ELEVATION: 861

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-7**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 783,229**
EAST **E 1,876,089**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-2-25**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-2-25**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT
____ HOURS AFTER DRILLING
____ DAYS AFTER DRILLING
____ DAYS AFTER DRILLING
No Water Encountered

BORING METHOD

- [X] HOLLOW STEM AUGER
- [ ] DRIVING CASING
- [ ] CASING ADVANCER
- [ ] AIR ROTARY
- [ ] ROTARY DRILLING
- DEPTH MUD STARTED ____

SAMPLER TYPE AND DATA

- SPLIT BARREL **2 Inch O.D.**
- UNDISTURBED SAMPLE
- AUGER **3.25 Inch**
- ROCK CORE
- CASING SIZE

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
862.0	S-1		1 6 8 10	80				861.4 **TOPSOIL**
								POORLY GRADED GRAVEL with SILT and SAND (GP-GM)
	S-2		8 10 7 5	50				with cobbles, brown, medium dense to dense, damp
5 857.0	S-3		4 2 3 9	30				
	S-4		7 10 11 17	55				
	S-5		19 24 21 18	60				
10 852.0	S-6		17 21 20 16	35				
15 847.0	S-7		9 11 11 10	30				
20 842.0	S-8		5 6 6 5	25				
	S-9		7 5 7 7	30				
25 837.0								837.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80

REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 862

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-8**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Additional Services**
Binghamton, Broome County, NY

NORTH **N 783,238**
EAST **E 1,876,489**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **7-2-25**

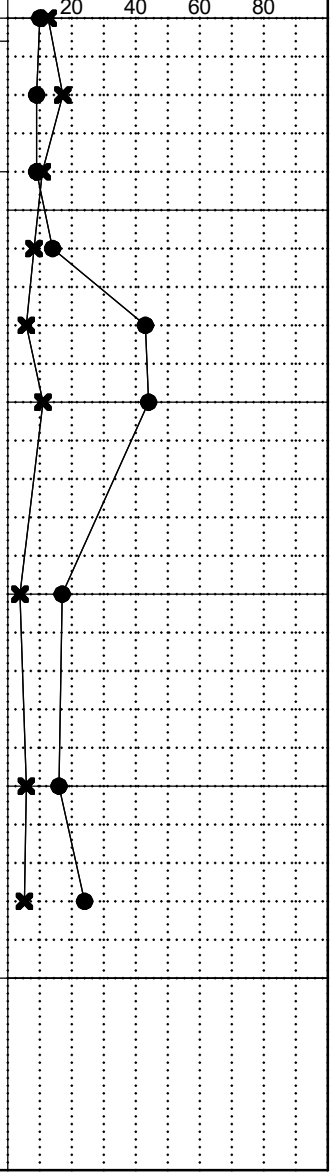
ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **7-3-25**

GROUNDWATER
ENCOUNTERED DURING DRILLING AT
HOURS AFTER DRILLING
DAYS AFTER DRILLING
DAYS AFTER DRILLING
No Water Encountered

BORING METHOD
[X] HOLLOW STEM AUGER
[ ] DRIVING CASING
[ ] CASING ADVANCER
[ ] AIR ROTARY
[ ] ROTARY DRILLING
DEPTH MUD STARTED

SAMPLER TYPE AND DATA
[X] SPLIT BARREL **2 Inch O.D.**
UNDISTURBED SAMPLE
AUGER **3.25 Inch**
ROCK CORE
CASING SIZE

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
862.0	S-1		1 4 6 5	20				861.4 **TOPSOIL** FILL: **SILTY SAND with GRAVEL (SM)** with traces of ash, brown, loose, damp
	S-2		6 5 4 2	50				858.0
5 857.0	S-3		3 4 5 5	20				**POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with cobbles, brown, loose to medium dense to dense, damp
	S-4		6 7 7 13	60				
	S-5		17 22 21 19	75				
10 852.0	S-6		21 19 25 20	50				
15 847.0	S-7		6 9 8 7	50				
20 842.0	S-8		9 7 9 11	60				
	S-9		7 13 11 11	45				
25 837.0								837.0 EOB @ 25'



REMARKS: **Elevations estimated from Google Earth. Locations estimated from plan provided by Passero Associates in the RFP dated 5/21/2025. Boring backfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION
STATION:
OFFSET:
ELEVATION: 862

LOG OF TEST PIT TP-1

Date Excavated: 7/3/25 Logged by: M. Sottile

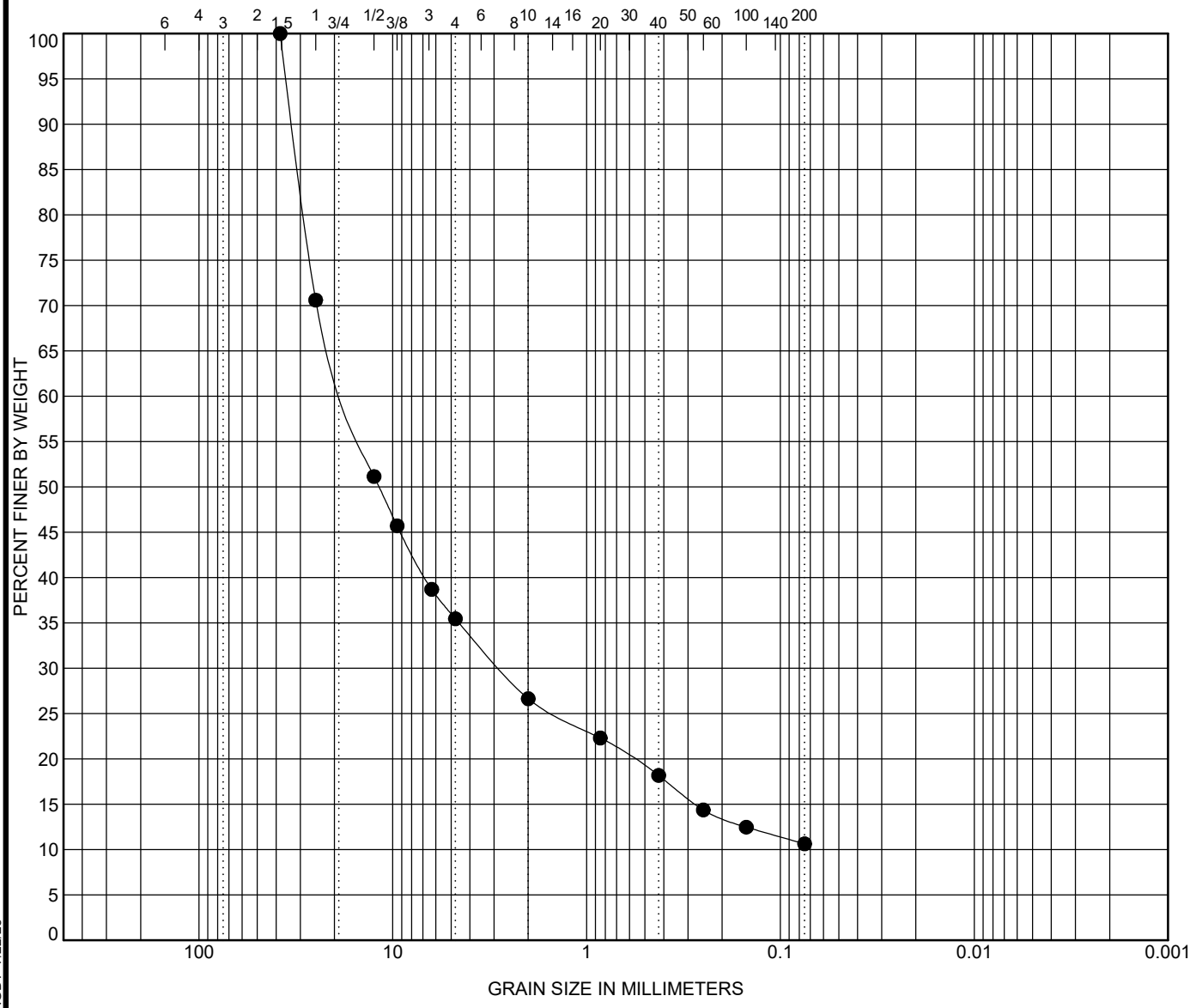
Equipment: Bobcat E35 Excavator Surface Elevation(ft): 862.0

DEPTH (feet)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE	HAND PEN. (tsf)	MOISTURE (%)	DRY UNIT WT. (pcf)	LAB TESTS
		ASPHALT					
		FILL: **POORLY GRADED GRAVEL with SILT and SAND (GP-GM)** with brick, concrete, and rebar, brown, wet					
		The footing was not encountered within 6'. The surrounding asphalt started undermining due to the nature of the soil. It was unsafe to continue excavating.					
5		EOP @ 6'					

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Theodore Roosevelt Elementary
Binghamton, Broome County, NY

Appendix C
Laboratory Test Results



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	B-1	S-5	POORLY GRADED GRAVEL with SILT and SAND(GP-GM)	NP	NP	NP	7.65	290.29

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	% Fines
●	B-1	S-5	38.1	17.137	2.782		64.5	24.8	10.6

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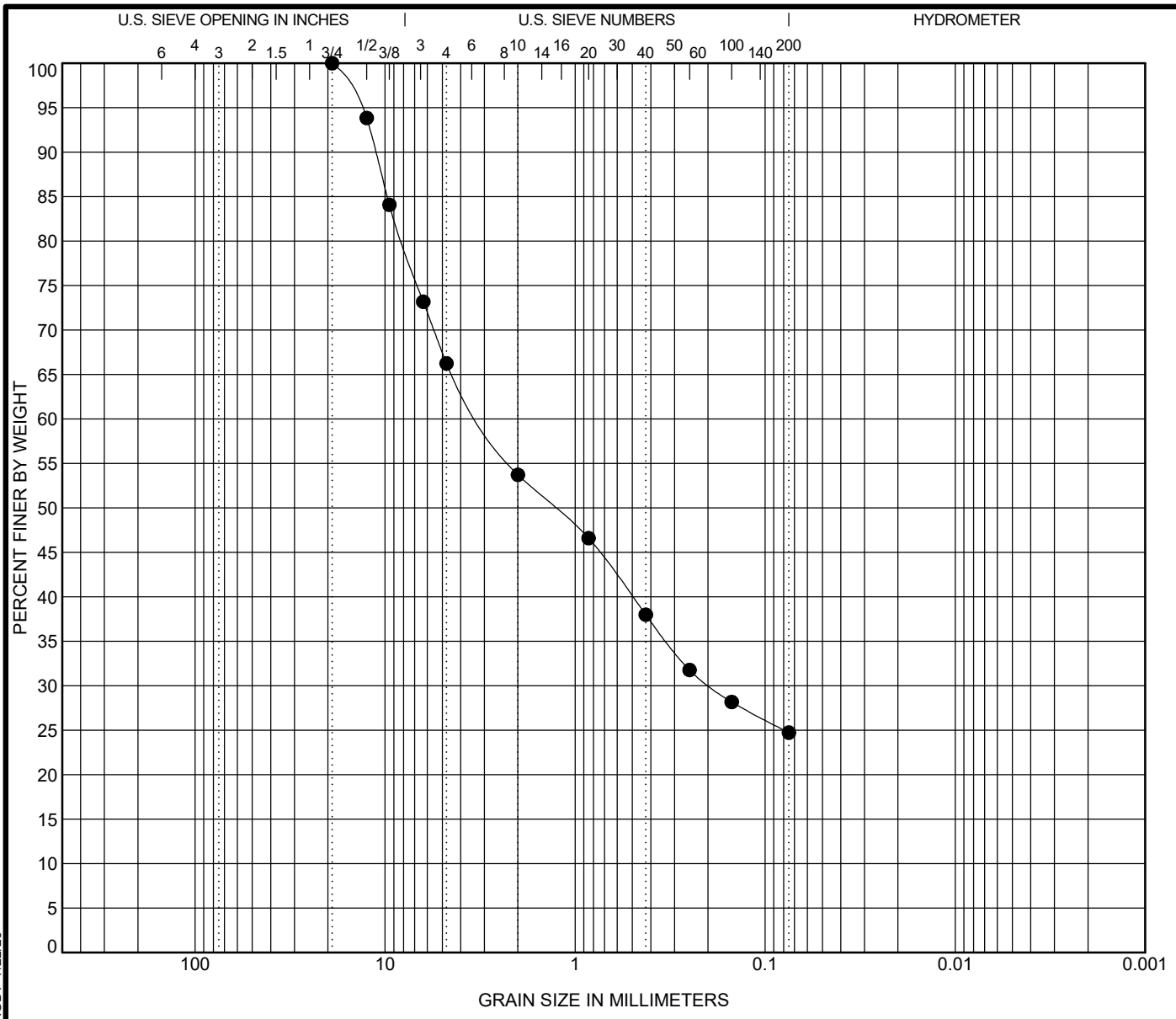
GRAIN SIZE DISTRIBUTION

Project: Theodore Roosevelt Elementary Additional Services

Location: Binghamton, Broome County, NY

Number: 25011401

ARM GRAIN SIZE 25011401 - THEODORE ROOSEVELT ELEMENTARY ADD.GPJ LAB STANDARD.GDT 7/22/25



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	B-4	S-2	SILTY SAND with GRAVEL(SM)	NP	NP	NP		

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	% Fines
●	B-4	S-2	19	3.087	0.194		33.8	41.5	24.7

ARM-NY Inc. PC
An ARM Group Company

GRAIN SIZE DISTRIBUTION

Project: Theodore Roosevelt Elementary Additional Services

Location: Binghamton, Broome County, NY

Number: 25011401

ARM GRAIN SIZE 25011401 - THEODORE ROOSEVELT ELEMENTARY ADD.GPJ LAB STANDARD.GDT 7/22/25

MOISTURE CONTENT AND REFERRAL

PROJECT: Theodore Roosevelt Elementary Additional Services **PROJECT NUMBER: 25011401**

LOCATION: Binghamton, Broome County, NY **DATE: 7/14/2025**

BORE HOLE NO.	SAMPLE NO.	DEPTH (feet)	VISUAL IDENTIFICATION	MOISTURE CONTENT (%)
B-1	S-1	0 - 2	Refer to B-1, S-5	7.0
	S-2	2 - 4	Refer to B-1, S-5	7.2
	S-3	4 - 6	Refer to B-1, S-5	5.9
	S-4	6 - 8	Refer to B-1, S-5	4.1
	S-5	8 - 10	POORLY GRADED GRAVEL with SILT and SAND (GP-GM)	4.4
	S-6	10 - 12	Refer to B-1, S-5	3.3
	S-7	15 - 17	Refer to B-1, S-5	2.8
	S-8	20 - 22	Refer to B-1, S-5	2.1
	S-9	23 - 25	Refer to B-1, S-5	2.5
B-2	S-1	0 - 2	Refer to B-4, S-2; Fill, with asphalt, brick, concrete, ash, and glass	6.7
	S-2	2 - 4	Refer to B-4, S-2; Fill, with asphalt, brick, concrete, ash, and glass	7.0
	S-3	4 - 6	Refer to B-4, S-2; Fill, with asphalt, brick, concrete, ash, and glass	10.1
	S-4	6 - 8	Refer to B-1, S-5	4.4
	S-5	8 - 10	Refer to B-1, S-5	4.7
	S-6	10 - 12	Refer to B-1, S-5	3.0

MOISTURE CONTENT AND REFERRAL				
PROJECT: Theodore Roosevelt Elementary Additional Services				**PROJECT NUMBER: 25011401**
LOCATION: Binghamton, Broome County, NY				**DATE: 7/14/2025**
BORE HOLE NO.	**SAMPLE NO.**	**DEPTH** (feet)	**VISUAL IDENTIFICATION**	**MOISTURE CONTENT (%)**
B-2	S-7	15 - 17	Refer to B-1, S-5	5.5
	S-8	20 - 22	Refer to B-1, S-5	2.7
	S-9	23 - 25	Refer to B-1, S-5	2.6
B-3	S-1	0 - 2	Refer to B-4, S-2; Fill	20.7
	S-2	2 - 4	Refer to B-4, S-2; Fill	3.9
	S-3	4 - 6	Refer to B-1, S-5; Fill	4.6
	S-4	6 - 8	Refer to B-1, S-5; Fill	3.8
	S-5	8 - 10	Refer to B-1, S-5	5.0
	S-6	10 - 12	Refer to B-1, S-5	10.2
	S-7	15 - 17	Refer to B-1, S-5	2.2
	S-8	20 - 22	Refer to B-1, S-5	2.6
	S-9	23 - 25	Refer to B-1, S-5	2.1
B-4	S-1	0.5 - 2	Refer to B-4, S-2; Fill	15.3
	S-2	2 - 4	SILTY SAND with GRAVEL (SM)	7.5

MOISTURE CONTENT AND REFERRAL

PROJECT: Theodore Roosevelt Elementary Additional Services **PROJECT NUMBER: 25011401**

LOCATION: Binghamton, Broome County, NY **DATE: 7/14/2025**

BORE HOLE NO.	SAMPLE NO.	DEPTH (feet)	VISUAL IDENTIFICATION	MOISTURE CONTENT (%)
B-4	S-3	4 - 6	Refer to B-1, S-5	4.8
	S-4	6 - 8	Refer to B-1, S-5	3.6
	S-5	8 - 10	Refer to B-1, S-5	5.7
	S-6	10 - 12	Refer to B-1, S-5	5.6
	S-7	15 - 17	Refer to B-1, S-5	4.7
	S-8	20 - 22	Refer to B-1, S-5	2.1
	S-9	23 - 25	Refer to B-1, S-5	1.9
B-5	S-1	0.5 - 2	Refer to B-4, S-2; Fill	6.5
	S-2	2 - 4	Refer to B-4, S-2; Fill	7.4
	S-3	4 - 6	Refer to B-4, S-2; Fill	5.2
	S-4	6 - 8	Refer to B-1, S-5	1.9
	S-5	8 - 10	Refer to B-1, S-5	5.5
	S-6	10 - 12	Refer to B-1, S-5	2.8
	S-7	15 - 17	Refer to B-1, S-5	2.4
	S-8	20 - 22	Refer to B-1, S-5	2.5

MOISTURE CONTENT AND REFERRAL

PROJECT: Theodore Roosevelt Elementary Additional Services **PROJECT NUMBER: 25011401**

LOCATION: Binghamton, Broome County, NY **DATE: 7/14/2025**

BORE HOLE NO.	SAMPLE NO.	DEPTH (feet)	VISUAL IDENTIFICATION	MOISTURE CONTENT (%)
B-5	S-9	23 - 25	Refer to B-1, S-5	3.3
B-6	S-1	0 - 2	Refer to B-4, S-2; Fill, trace of coal	6.7
	S-2	2 - 4	Refer to B-4, S-2; Fill, trace of coal	19.2
	S-3	4 - 6	Refer to B-1, S-5	5.0
	S-4	6 - 8	Refer to B-1, S-5	3.9
	S-5	8 - 10	Refer to B-1, S-5	5.0
	S-6	10 - 12	Refer to B-1, S-5	4.3
	S-7	15 - 17	Refer to B-1, S-5	2.5
	S-8	20 - 22	Refer to B-1, S-5	2.9
	S-9	23 - 25	Refer to B-1, S-5	2.9
B-7	S-1	0 - 2	Refer to B-1, S-5	9.8
	S-2	2 - 4	Refer to B-1, S-5	10.3
	S-3	4 - 6	Refer to B-1, S-5	7.8
	S-4	6 - 8	Refer to B-1, S-5	2.9

MOISTURE CONTENT AND REFERRAL				
PROJECT: Theodore Roosevelt Elementary Additional Services				**PROJECT NUMBER: 25011401**
LOCATION: Binghamton, Broome County, NY				**DATE: 7/14/2025**
BORE HOLE NO.	**SAMPLE NO.**	**DEPTH** (feet)	**VISUAL IDENTIFICATION**	**MOISTURE CONTENT (%)**
B-7	S-5	8 - 10	Refer to B-1, S-5	8.3
	S-6	10 - 12	Refer to B-1, S-5	3.3
	S-7	15 - 17	Refer to B-1, S-5	4.3
	S-8	20 - 22	Refer to B-1, S-5	3.2
	S-9	23 - 25	Refer to B-1, S-5	3.3
B-8	S-1	0 - 2	Refer to B-4, S-2; Fill, traces of ash	6.3
	S-2	2 - 4	Refer to B-4, S-2; Fill, traces of ash	8.6
	S-3	4 - 6	Refer to B-1, S-5	5.4
	S-4	6 - 8	Refer to B-1, S-5	4.1
	S-5	8 - 10	Refer to B-1, S-5	2.9
	S-6	10 - 12	Refer to B-1, S-5	5.5
	S-7	15 - 17	Refer to B-1, S-5	1.9
	S-8	20 - 22	Refer to B-1, S-5	2.9
	S-9	23 - 25	Refer to B-1, S-5	2.6

ARM-NY Inc. PC

An ARM Group Company

T. Roosevelt Elementary School Additional Services
ARM Project No. 25011401

Corrosion Suite Laboratory Report

Material Tested:	SPT Soil Jar
Date:	July 16, 2025
Sample Identification	B-4, S-3/4

Chlorides (ppm)	93
Sulfates (ppm)	105
pH	7.8
Resistivity (ohm/cm)	35,457

Appendix D
Important Information About Your Geotechnical Engineering Report

IMPORTANT INFORMATION
ABOUT YOUR GEOTECHNICAL ENGINEERING REPORT

More construction problems are caused by site subsurface conditions than any other factor.

The following recommendations are offered to help you reduce the geotechnical-related delays, cost-overruns and other costly headaches that can occur during a construction project.

A GEOTECHNICAL ENGINEERING REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

A geotechnical engineering report is based on a subsurface exploration plan designed to incorporate a unique set of project-specific factors. These typically include: the general nature of the structure involved, its size and configuration; the location of the structure on the site and its orientation, physical concomitants such as access roads, parking lots, and underground utilities, and the level of additional risk which the client assumed by virtue of limitations imposed upon the exploratory program. To help avoid costly problems, consult ARM-NY Inc. PC (ARM), to determine how any factors which change subsequent to the date of the report may affect its recommendations.

Unless ARM indicates otherwise, *this geotechnical engineering report should not be used;*

- When the nature of the proposed structure is changed, for example, if an office building will be erected instead of a parking garage, or if a refrigerated warehouse will be built instead of an unrefrigerated one;
- When the size or configuration of the proposed structure is altered;
- When the location or orientation of the proposed structure is modified;
- When there is a change of ownership, or
- For application to an adjacent site.

ARM cannot accept responsibility for problems which may develop if they are not consulted after factors considered in their report's development have changed.

GEOTECHNICAL "FINDINGS" ARE PROFESSIONAL ESTIMATES

Site exploration identifies actual subsurface conditions only at those points where samples are taken, when they are taken. Data derived through sampling and subsequent laboratory testing are extrapolated by geotechnical engineers who then render an opinion about overall subsurface conditions, their likely reaction to proposed construction activity, and appropriate foundation design. Even under optimal circumstances actual conditions may differ from those inferred to exist, because no geotechnical engineer, no matter how qualified, and no subsurface exploration program, no matter how comprehensive, can reveal what is hidden by earth, rock and time. The actual interface between materials may be far more gradual or abrupt than a report indicates. Actual conditions in areas not sampled may differ from predictions. *Nothing can be done to prevent the unanticipated, but steps can be taken to help minimize their impact.* For this reason, *most experienced owners retain their geotechnical consultants through the construction stage* to identify variances, conduct additional tests which may be needed, and to recommend solutions to problems encountered on site.

SUBSURFACE CONDITIONS CAN CHANGE

Subsurface conditions may be modified by constantly changing natural forces. Because a geotechnical engineering report is based on conditions which existed at the time of subsurface exploration, *construction decisions should not be based on a geotechnical engineering report whose adequacy may have been affected by time.* Speak with this office to learn if additional tests are advisable before construction starts.

Construction operations at or adjacent to the site and natural events such as floods, earthquakes or groundwater fluctuations may also affect subsurface conditions and, thus, the continuing adequacy of a geotechnical report. ARM should be kept apprised of any such events and should be consulted to determine if additional test are necessary.

GEOTECHNICAL SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND PERSONS

ARM's reports are prepared to meet the specific needs of specific individuals. A report prepared for a consulting civil engineer may not be adequate for a construction contractor, or even some other consulting civil engineer. Unless indicated otherwise, this report was prepared expressly for the client involved and expressly for purposed indicated by the client. The information contained herein is proprietary and cannot be duplicated or copied, or in any manner reproduced without the express written permission of ARM Use by any other persons for any purpose, or by the client for a different purpose, may result in problems. *No individual other than the client should apply this report for its intended purpose without first conferring with ARM. No person should apply this report for any purpose other than that originally contemplated without first conferring with ARM.*

A GEOTECHNICAL ENGINEERING REPORT IS SUBJECT TO MISINTERPRETATION

Costly problems can occur when other design professionals develop their plans based on misinterpretations of a geotechnical engineering report. To help avoid these problems, the geotechnical engineer should be retained to work with other appropriate design professions to explain relevant geotechnical findings and to review the adequacy of their plans and specifications relative to geotechnical issues.

BORING LOGS SHOULD NOT BE SEPARATED FROM THE ENGINEERING REPORT

The boring logs contained within this report are reproductions of the boring contractor's submitted field logs. The report was developed based upon ARM's interpretation of these logs in conjunction with laboratory tests and other field data. *These logs should not under any circumstances be redrawn* for inclusion in architectural or other design drawings, because drafters may commit errors or omissions in the transfer process. Although photographic reproduction eliminates this problem, it does nothing to minimize the possibility of contractors misinterpreting the logs during bid preparation. When this occurs, delays, disputes and unanticipated costs are the all-too-frequent result.

To minimize the likelihood of boring log misinterpretation, *give contractors ready access to the complete geotechnical engineering report* prepared or authorized for their use. Those who do not provide such access may proceed under the *mistaken* impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing the best available information to contractors helps prevent costly construction problems and the adversarial attitudes which aggravate them to disproportionate scale.

READ RESPONSIBILITY CLAUSES CLOSELY

Because geotechnical engineering is based extensively on judgement and opinion, it is far less exact than other design disciplines. This situation has resulted in wholly unwarranted claims being lodged against geotechnical consultants. To help prevent this problem, geotechnical engineers have developed model clauses for use in written transmittals. These are *not* exculpatory clauses designed to foist geotechnical engineers' responsibilities begin and end. Their use helps all parties involved reorganize their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your geotechnical engineering report, and you are encouraged to read them closely. ARM will be pleased to give full and frank answers to your questions.

OTHER STEPS YOU CAN TAKE TO REDUCE RISK

Consulting with this office to discuss other techniques which can be employed to mitigate risk.

Appendix E
October 2024 ARM Geotechnical Engineering Report

Geotechnical Engineering Report
Theodore Roosevelt Elementary School
Binghamton, New York

Prepared for:
Binghamton City School District
164 Hawley Street
Binghamton, NY 13901

Prepared by:
ARM-NY Inc. PC
1252 Mid Valley Drive
Jessup, Pennsylvania 18434

ARM Project 24011548

October 11, 2024

Respectfully submitted:
ARM -NY Inc. PC

Andrew Risser, E.I.T.
Project Engineer

P. Richard Scheller, P.E.,
Principal Engineer



ARM-NY Inc. PC

Engineers and Scientists
www.armgroup.net

ARM-NY Inc. PC

An ARM Group Company

October 11, 2024

Eric Wilson
Executive Director of Human Resources
Binghamton City School District
164 Hawley Street
Binghamton, NY 13901

Re: Geotechnical Engineering Services
Theodore Roosevelt Elementary School
Binghamton, NY
ARM-NY Project 24011548

Dear Mr. Wilson,

Enclosed is ARM-NY Inc. PC's (ARM's) Geotechnical Engineering Report associated with the proposed building additions to the Theodore Roosevelt Elementary School located in Binghamton, New York. The report presents the results and conclusions of ARM's geotechnical program, which was developed based on our previous project-related discussions and in accordance with ARM's Proposal P24011548. It is ARM's opinion that the proposed structure can feasibly be constructed at this site provided proper incorporation of applicable considerations and recommendations and acceptance of limitations, as disclosed herein.

ARM will remain available for a meeting to discuss the report and answer any questions that may arise as you review this Geotechnical Engineering Report.

We appreciate the opportunity to support you on this project. Please do not hesitate to contact us if you have any questions or clarifications.

Sincerely,

Andrew Risser, E.I.T.
Project Engineer

P. Richard Scheller, P.E.
Principle Engineer

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APPENDICES

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Appendix B Test Boring Logs
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Appendix E Important Information About Your Geotechnical Report

1.0 INTRODUCTION

1.1 General Introduction

The geotechnical investigation reported herein was performed in connection with the proposed one-to-two-story addition to the existing Theodore Roosevelt Elementary School in Binghamton, NY. A "Regional Location Plan" showing the general location of the project site is presented below, and in Appendix A.



Figure 1.1 - Regional Location Plan

The purpose of this investigation was to review the subsurface conditions at the site of the proposed addition through the use of test borings. The test borings were placed to develop a general geotechnical understanding of the site. This study would develop geotechnical recommendations based upon the test borings drilled and attempt to identify any extraordinary or limiting geotechnical issues prior to construction. The foundation recommendations would be updated if necessary, as the project nears completion of design.

The scope of work included review and planning of the investigation with Binghamton City School District, obtaining an independent test boring contractor, laboratory testing of representative samples, engineering analysis of the available geotechnical data, and the subsequent preparation of the enclosed report.

1.2 Project Description

It is our understanding that the improvements planned for this site include a one-to-two-story, slab on grade addition to the existing elementary school. The existing three-story classroom wing is proposed to be demolished, and a portion of the new addition will take its place. The footprint of the new addition will be approximately 37,900 square feet and the finished floor elevation is proposed to be consistent with the existing structure (about elevation 860 feet according to Google Earth). For the purpose of this report, it was assumed that the building addition will be supported by shallow concrete spread and wall footings. Structural loads up to 100 kips were assumed for this report. ARM should be notified if these assumptions underestimate the proposed loads, and we will update this report.

1.3 Site Conditions

The site is located at the Theodore Roosevelt Elementary School in Binghamton, NY. The site surrounding the school is primarily covered by asphalt and grass. The existing building on the site varies from one to three stories. The site topography is relatively flat and ground surface elevations vary from 855 to 863 feet according to Google Earth. The typical site conditions are shown in Figure 1.3.



Figure 1.3 – Typical Site Conditions

2.0 LITERATURE REVIEW

2.1 Natural Resources Conservation Service (NRCS)

The NRCS, a department of the U.S. Department of Agricultural (formerly Soil Conservation Service) was authorized by the U.S. Congress to conduct a soil survey of the unconsolidated deposits for agricultural purposes across the United States. As part of these efforts, NRCS also provided discussions of high-level basic engineering properties of the various deposits described.

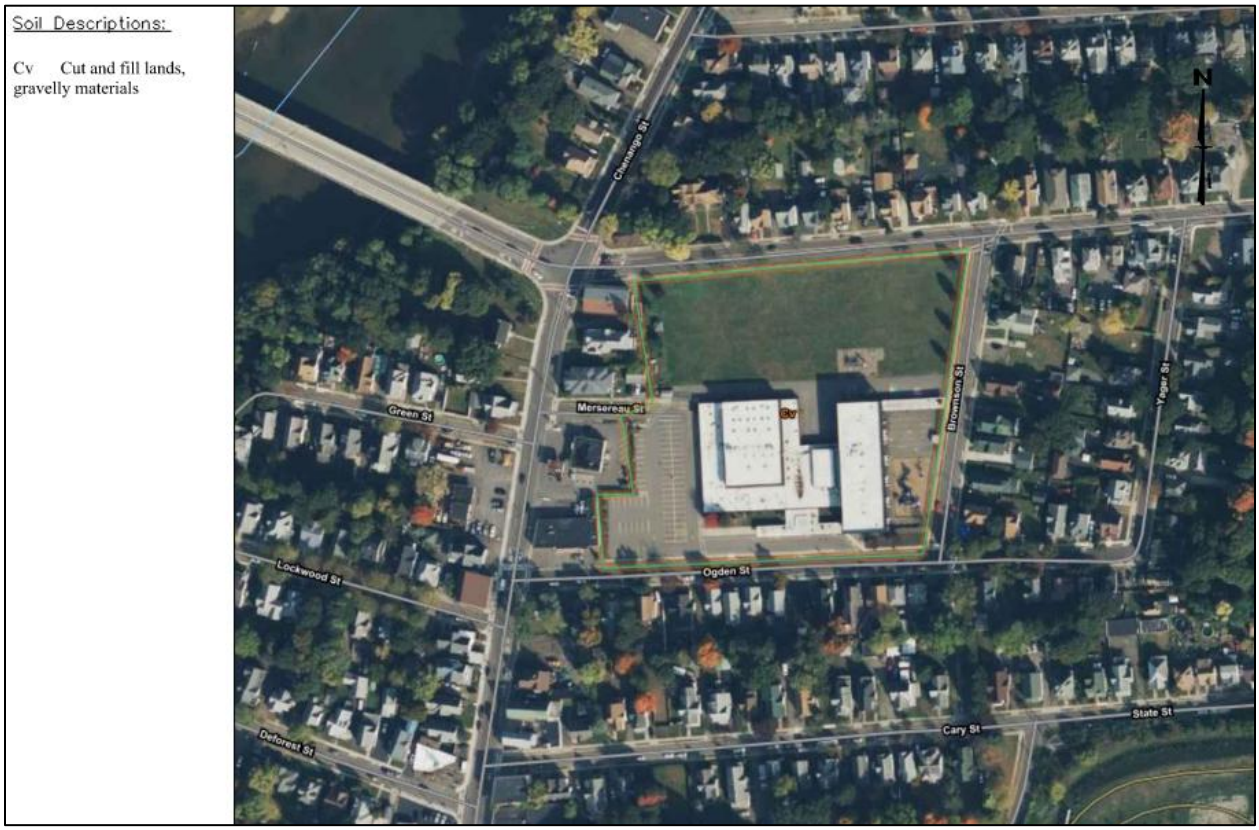


Figure 2.1 – Natural Resources Conservation Service Map

The NRCS classified the site soils as "cut and fill lands, gravelly materials" (Cv). The Soil Survey of Broome County (1971) states that this soil series is has a miscellaneous composition and is a result of ground manipulation for the use of urban development and other construction activities. These soils are known to be highly variable, therefore it is difficult to accurately classify and present estimated properties.

2.2 Geologic Setting

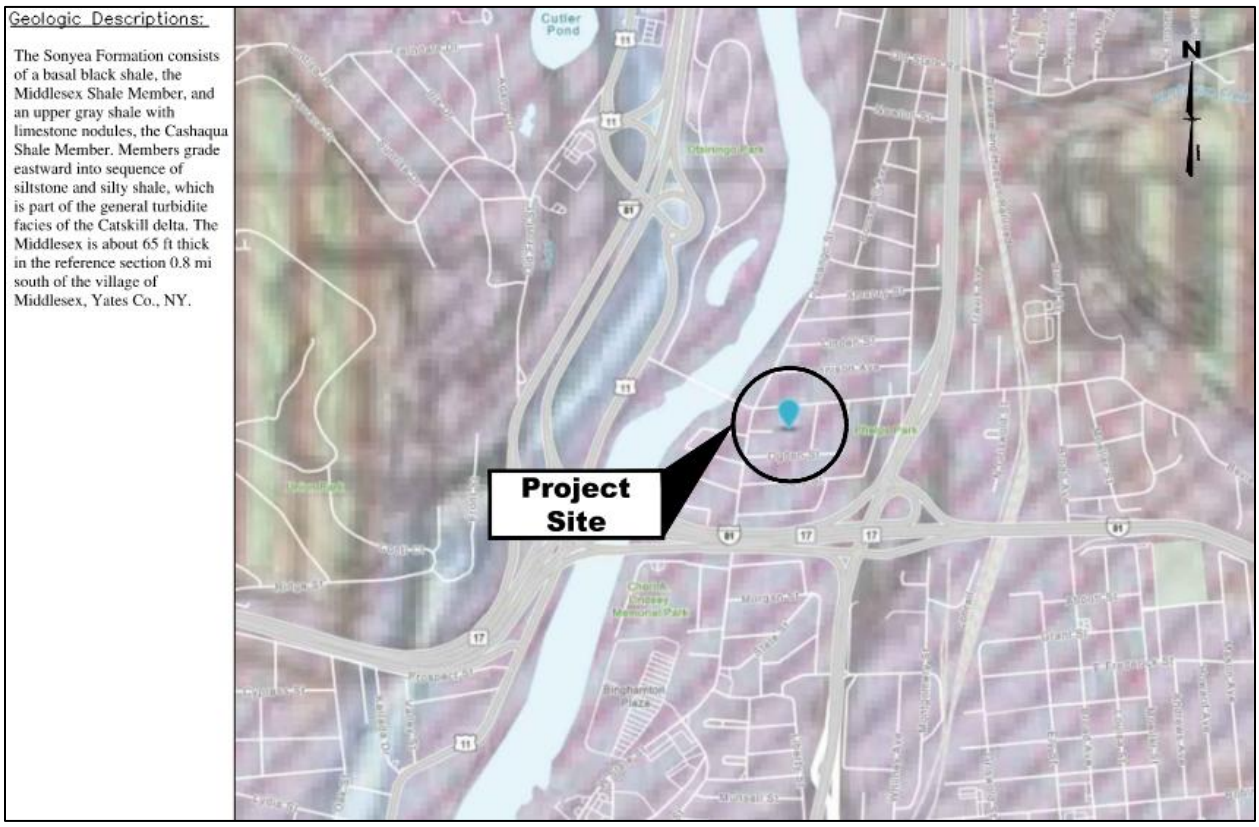


Figure 2.2 – Geology Map

Based on a literature review of the geology of the proposed improvement locations, the near surface geologic formation at this site is the Sonyea Formation. The Sonyea formation consists of a variety of shale members with some limestone nodules.

2.3 Historic Conditions

Historic aerial imagery dating back to 1955 was reviewed. It appears that the area of the current elementary school was occupied by residential properties at least until 1968. The elementary school is shown in the 1982 aerial and was constructed sometime in between 1968 and 1982. Since 1982 the site has more or less remained similar to its current configuration.

3.0 FIELD EXPLORATIONS

3.1 Field Reconnaissance

A field reconnaissance was conducted by ARM at the project site during August 8, 2024. This reconnaissance was conducted to stake out the proposed boring locations and evaluate site access. Approximate boring locations were field located by ARM with a handheld GPS.

3.2 Drilling Operations

A total of four (4) test borings were drilled at the site. The locations of the test borings were provided to ARM by CSArch in a plan named "Boring Location Figure," prepared by Passero Associates. The test borings were completed by Pocono Test Borings, a drilling company under contract with ARM. Drilling inspection was provided by ARM. Drilling for the borings was completed during September 4, 2024. The approximate location of each boring drilled is presented below on the Boring Location Plan, and in Appendix A.



Figure 3.2 – Test Boring Location Plan

A total of 100± lineal feet of drilling was completed during the subsurface exploration program.

Each boring drilled was initially advanced through the soil overburden using a 2.25-inch hollow stem auger until the design depth was encountered. Standard Penetration Tests (SPT's) were generally conducted continuously to 12 feet below ground surface (bgs) and then at periodic

intervals until design depth of 25 feet bgs was achieved. At the conclusion of each boring, the boring was backfilled with grout.

Drilling was generally conducted according to accepted protocols and standards. The SPT's were generally performed in accordance with ASTM Designation D1586, "Standard Method for Penetration Test and Split-Barrel Sampling of Soils."

Detailed boring logs for each of the test borings were prepared by ARM, and are presented in Appendix B. Each boring log prepared includes the following items:

- The approximate depth, and description of materials encountered;
- The type and location samples;
- The Standard Penetration Resistance obtained from SPT's conducted at the location of split barrel samples along with sample recovery measurements;
- The Unified Soil Classification System soil classification of samples by visual determination; and
- The water level in the boring upon completion of the test boring if encountered
- Backfill method upon completion of the test boring

The following is a tabulation of the approximate test boring elevations. Elevations were approximated from Google Earth.

Table 3.2 – Test Boring Summary

Test Boring	Approx. Surface Elevation (feet)	Termination Depth (feet)
SB-1	858±	25±
SB-2	858±	25±
SB-3	858±	25±
SB-4	861±	25±

4.0 LABORATORY TESTING

Upon completion of the field explorations, the recovered soil samples were examined by ARM's geotechnical engineering staff, and a laboratory program was conducted to ascertain engineering characteristics of representative soil samples. All phases of the laboratory testing were conducted in general accordance with applicable ASTM specifications. Gradation analyses (ASTM D422), Atterberg limits test (ASTM D4318), visual referrals (ASTM D2488), and natural moisture content (ASTM D2216) were also performed. The results of these tests are included as Appendix C and are summarized in Table 4.0.1. Descriptions of the soils follow general outlined procedures established by the Unified Soil Classification System and ASTM. The soils are more fully described in Section 5 of this report.

Table 4.0 – Summary of Laboratory Tests

Test Boring	Sample	Depth (feet)	Classification	-200	LL	PL	PI	Natural Moisture (%)
SB-1	S-3	4 – 6	SM	24.7	NP	NP	NP	4.7
SB-1	S-7	15 – 17	GM	16.6	NP	NP	NP	3.5

5.0 SUBSURFACE CONDITIONS ENCOUNTERED

5.1 Surface Coverings

The ground surface cover in the area of SB-1 though SB-3 consisted of grass. A layer of topsoil was observed in SB-1 through SB-3, generally extending to depths of about 6 inches bgs. In the area of SB-4 the surface covering consisted of asphalt overlying subbase. The thickness of the asphalt and underlying subbase were both observed to be about 3 inches (6 inches total). The thickness of the observed surface coverings can vary outside the test boring locations due to the inherent variability of subsurface geologic conditions.

5.2 Fill Soils

Underlying the surface coverings in all borings, a stratum of undocumented fill soil was observed extending to depths of 4 to 10 feet bgs. A sample collected from the fill soil was classified as silty sand with gravel (SM) and consisted of approximately 24.7% fines. As observed in the test borings the fill soils included trace amounts of brick, asphalt, wood, and concrete. As previously stated, the area of the existing elementary school was once occupied by residential properties. The fill materials are most likely associated with the regrading of the area to construct the school after the residential properties were demolished. The “N” values in the fill soils determined from the Standard Penetration Tests varied from very loose to medium dense, and moisture contents ranged from 3.8 to 19.1%.

5.3 Native Soils

The native soils encountered at this site was classified as silty gravel with sand (GM) and are potentially alluvially derived given the proximity of the site to the Chenango River. A sample tested had approximately 16.6% fines. Moisture contents for this stratum vary between 1.6% and 4.8. The “N” values determined from the Standard Penetration Tests vary from medium dense to very dense but were generally observed to be dense.

5.4 Groundwater

Groundwater was not evident in the test borings. The Chenango River is directly west of the site. Given that the native soils have a generally low percentage of fines, it is likely that the lateral permeability of these soils is relatively high. Therefore, an increase to the water surface elevation of the Chenango River may also increase the groundwater surface elevations observed at the site. Moreover, seepage into the site soils may occur especially after periods of precipitation and snow melt. In order to establish a groundwater surface, piezometers would need to be established and monitored over time. This was beyond the scope of this assignment.

6.0 DISCUSSION

It is our understanding that the improvements planned for this site include a one-to-two-story, slab on grade addition to the existing elementary school. The existing three-story classroom wing is proposed to be demolished, and a portion of the new addition will take its place. The footprint of the new addition will be approximately 37,900 square feet and the finished floor elevation is proposed to be consistent with the existing structure (about elevation 860 feet according to Google Earth). For the purpose of this report, it was assumed that the building addition will be supported by shallow concrete spread and wall footings. Structural loads up to 100 kips were assumed for this report. ARM should be notified if these assumptions underestimate the proposed loads, and we will update this report.

The test borings encountered 4 to 10 feet of undocumented fill materials overlying the native soil. Undocumented fills create potential for excessive settlement. Therefore, ARM recommends that the undocumented fill be undercut in the footprint of the proposed addition, and the remaining surface be proofrolled prior to placing engineered fill to reach the foundation and slab on grade bearing elevations. The engineered fills may consist of NYDOT Type 1 or Type 4 aggregate compacted according to Section 11.2.1 of this report.

The undocumented fill soils should not be used as structural fill anywhere on this site. Where excess fill is needed, the fill soils should be in accordance with Section 11 of this report.

Based on our analysis, the generally dense native soil (SPT N values greater than 30) and engineered fill will provide positive support for the structure on shallow foundations with an average net allowable bearing value of 4,000 psf. For a shallow foundation with a constant stress of 4,000 psf or less, we have estimated a potential settlement less than 1 inch total and ¾ inch differential respectively. This movement is generally within tolerable limits for this structure type.

It is our conclusion that the site may support the proposed building addition on continuous and individual spread foundations, provided the following the recommendations noted herein.

7.0 RECOMMENDATIONS FOR SITE PREPERATION

The following recommendations are presented based upon the field and laboratory geotechnical data reported and contained herein. These recommendations should be revisited if design conditions are modified from the understandings and assumptions noted herein.

7.1 Grubbing

All surface materials including, grasses, topsoil, root matt, and/or scrub brush, etc. should be removed from within the proposed upgrade limits to a distance of 5 feet outside the upgrade limits and beneath any proposed new bituminous concrete pavement surface covering. It is estimated that this surface is about 6 inches thick. More or less could be encountered at locations away from the test boring.

7.2 Utility Removal

Any utilities occupying the underground beneath the footprint plus 10 feet should be excavated and relocated outside the proposed additions footprint. Any abandoned utility that remains should be cut, grouted closed and capped.

7.3 Existing Structures

From our literature search, residential properties occupied the site prior to the construction of the existing school. If during excavation any remnant foundations are encountered, ARM should be contacted and the remnant structures should be evaluated for likely removal from this site including all foundations. Additional field exploratory efforts would likely be performed in this area to ensure all former structures are removed.

7.4 Undercutting/Cutting

Undocumented fills create potential for excessive settlement and ARM recommends that the undocumented fills are undercut and replaced with engineered fills within the building footprint. This includes 1H:1V downward and outward plan from the edge of all foundations. The test borings indicate that the undocumented fill depths range from 4 to 10 feet below the existing grade. More or less fill may be present in the balance of the site. Type I or Type 4 aggregates as defined in the NYSDOT Standard specification should be used for all engineered fill. The native site GM soils will also be a suitable backfill material.

7.5 Proofrolling

With the proposed building addition immediately adjacent to the existing structure, proofrolling with significant vibration equipment may induce settlements to the existing structure. The use of the large vibratory roller should be restricted in the zone from the existing building to 10' outside the building. Smaller, automated or hand operated rollers/compactors (±15,000 lbf) should be used in this zone.

At the direction of the project geotechnical engineer both the foundation base and floor slab subgrade will need to be proofrolled prior to the placement of any grade adjustment fill. Prior to

proofrolling, the site may need to be dried to achieve the range of acceptable moistures to facilitate compaction. Based upon the gradation analysis performed on the existing soils, proofrolling should be accomplished with a vibratory roller capable of developing a dynamic force of at least 65,000 lbf in addition to a static load of 10 tons. Please note the large roller should not be allowed within 10' of the existing structure. The roller should not exceed 1 mph. The area to be proofrolled should be completely traversed in both directions two (2) times minimum to identify any soft or weak areas. Those areas that have been identified as weak areas should be undercut to a stable strata and replaced with an engineered (load-bearing) fill. With the existing soils, no proofrolling should be accomplished without the presence of the geotechnical engineer. Once the proofroll program has been completed, the proofroll surface should be compacted to achieve a compaction level of 95% ASTM D1557. This will include all trench excavations for foundations. Upon completion of proofrolling, the site should be backfilled to grade with engineered (load-bearing) fill.

7.6 Benching

Where new fills are to be placed and where the existing ground surface is steeper than to 6H:1V benching of the new fills into the existing ground will be required. Benching and filling should begin at the lowest site location first. Each fill bench should be cut into the existing site materials 5 feet for every 4 feet of vertical height.

7.7 Temporary Excavation Slopes

The site soils should be classified as an OSHA Type C soil based upon the general observed gradations and consistent with Figure 8.7.

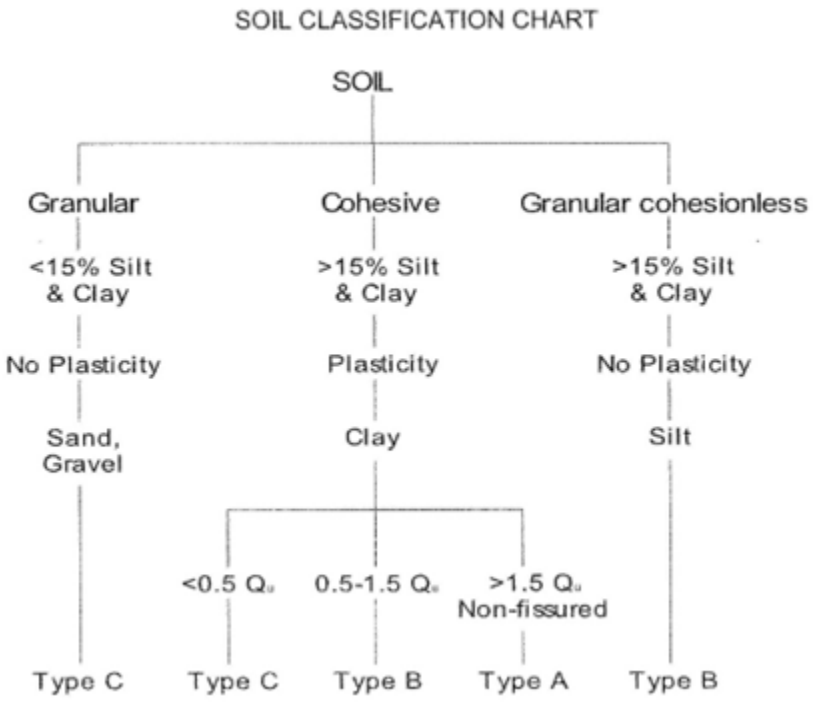


Figure 7.7 – Soil Classification Chart

Any excavation slope that will exist for a period less than 6 months is considered temporary. All temporary slopes are recommended to be constructed not less than 1.75H:1V or flatter depending on the response of the materials. The slopes should comply with all applicable requirements of OSHA and other Federal, State and Local governing bodies. The Contractor should understand temporary slopes are the Contractor's responsibility and should be continuously monitored to ensure stability. All sloughages, slips, etc. should be immediately repaired to protect the integrity of the slopes.

7.8 Permanent Slopes

It is recommended that all permanent earth slopes should be not steeper than 2.5H:1V. Earth cut slopes will be required to be flatter than 3.0H:1V. Due to the granular nature of the site soils, soil slopes in this area have a propensity to slump after heavy rainfalls and spring thaws. These slumps are weaknesses in the embankment due to excess water pressure build-up. This pressure build-up could be the result of sand seams, soil fracturing and other geologic anomalies. Cuts into these conditions can suddenly release the water and weakness planes can develop. Slumps where they occur should be immediately addressed. The slumps should be cleaned of the failed material and replaced with RipRap (heavy stone armor). These repairs should be constructed rather quickly as the continued loss of soil from the embankment could result in significant instabilities to the embankment. These instabilities could create a general overall failure in the embankment.

7.9 Existing Site Soils

The undocumented fill material encountered in the upper 4 to 10 feet of the borings should not be used as structural fill anywhere on the site because they create potential for excessive settlement. The existing site soils underlying the undocumented fill are possibly alluvially derived soils which classify as silty gravel with sand (GM). The soils must meet several criteria to be acceptable as a structural fill for the foundations. Any miscellaneous materials encountered must first be removed. In addition, the oversize (+5") must be removed, and a minimum 95% ASTM D1557 (γd) density of 120 pcf will need to be achieved. If excessively moist onsite soil is to be reused and recompacted for the foundation, moisture conditioning to adjust the moisture values will be required. It is not recommended that any sandy silt (ML) soils (if encountered) be used for structural fills below foundations.

A laboratory gradation conducted on the native soils resulted in 16.6% passing the No. 200 sieve. Soils with considerable fines (>30% passing the No. 200 sieve) are moisture sensitive. It is unlikely, but if these soils are encountered, the contractor should be advised any excessive movement over these soils generally result in weaving, rutting and site deterioration. This damage could ultimately result in increased site costs. All areas damaged by the contractor should be repaired immediately.

7.10 Site Grading

All site grading should be designed so that water flows away from the existing structure. Rain collection down leaders should not discharge directly adjacent to the building foundation especially with the site fills. All leaders should be connected into the site storm water system

7.11 Fill Placement

All fill should be placed in horizontal lifts. At the conclusion of daily fill placement, any open excavations should be covered to minimize water infiltration and damage to newly placed materials. If pooled water accumulates inside the excavation, the water should be pumped out as soon as possible and any saturated material should be removed and replaced with approved structural fill.

7.12 Earth Work Period

Earth work activities should be programmed to occur during the period when greatest drying potential can be achieved. That period is typically April through November. Earthwork efforts outside this time increment can result in delays and increased construction costs. Winter construction may require the use of an off-site manufactured aggregate fill. The following construction practices should be implemented to reduce the infiltration of water into the fine-grained site soils as well as rutting and site deterioration:

- Seal any exposed soils with a smooth drum vibratory roller at the completion of each workday.
- Grade the construction surfaces to provide positive drainage to the site stormwater system.
- Install where required a temporary construction drain (French drain) upslope of the construction area to direct surface and groundwater into the stormwater system.
- Where pooled water collects and positive drainage cannot be provided, the pooled water should be pumped immediately from the area.
- Create reinforced temporary construction roadways
- Do not allow indiscriminate construction traffic to traverse the site unless on designated construction roadways.

7.13 Unexposed Conditions

Due to the limited nature of geotechnical investigations and typical of construction at all sites, unexpected ground conditions may be encountered. If such conditions are encountered, they should be brought to the immediate attention of the geotechnical engineer, thoroughly investigated, removed, and replaced or repaired, as required.

7.14 Rock Excavation

Rock excavation is not anticipated at this site. However, if boulders greater than 1 cubic yard are encountered in the excavation, these materials should be removed in their entirety from the excavation. As a specific definition, any material that is not capable of being ripped with a single tooth ripper mounted on a CAT D8N class tractor, is considered rock. In trench excavation, rock should be defined as any material that cannot be removed with a CAT Model 352 with a bucket volume of 1 cubic yard and a draw bar pull not less than 56,000 lbs.

7.15 Environmental Issues

Environmental engineering and any site environmental assessments were beyond the scope of our services.

8.0 FOUNDATION RECCOMENDATIONS

Based upon the results of the test borings, conventional shallow foundations (continuous and individual spread footings) are proposed for this project. All foundations should bear either on engineered (load-bearing) fill (Section 11), or 95% of ASTM D1557 recompacted existing native soils where determined to be suitable by the geotechnical engineer. No foundations should bear on the undocumented fills.

8.1 Conventional Foundation

The shallow foundation system should be proportioned for the total dead and sustained live loads so as to not exceed an average allowable net bearing value of 4,000 psf.

Continuous wall footings should have a minimum width of **2 feet** and individual column footings a minimum width of **3 feet**. The exterior below grade wall should be reinforced concrete and structurally connected to the foundation.

From our analysis, the estimated total and differential post construction settlements should not exceed 1 inch total and ¾ inch ± differential respectively.

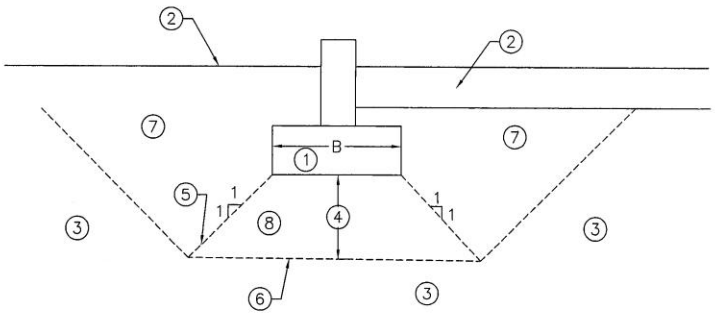
8.2 Foundation Minimum Depth

All foundations exposed to freezing conditions should be placed at a minimum depth equal to 52 inches below the exposure surface. Interior heated space footings should be placed at a minimum depth of 24 inches below the top of the slab.

8.3 Shallow Foundation Construction and Inspection

All excavations should be thoroughly inspected and examined by a qualified geotechnical engineer or geotechnical technician to evaluate the quality of bearing materials. Any soft, loose, or otherwise detrimental possible materials encountered in the excavation should be removed and replaced with load-bearing fill depending on foundation bearing design conditions.

Where undercutting is required due to local conditions, the undercut beneath the foundations should generally be performed in accordance with the generic detail provided in Figure 12.3 below.



1. Footing Width
2. Floor Slab And Base or Exterior Grade
3. Existing Site Materials
4. Undercut Depth
5. Proportioning Line for Undercutting Limits, Not A Construction Line
6. Base or Undercut Compact Existing Grade (95% ASTM D1557)
7. Load Bearing Fill Compacted to 95% ASTM D1557
8. Select DOT Structural Subbase Fill. Compacted to 95% ASTM D1557

Figure 8.3 – Foundation Preparation

If a large boulder is encountered within the excavation for foundations, the boulder should be completely removed from the excavation. **It should be anticipated that some additional undercutting beneath areas of the foundation excavation will be required.** Conditions weakened by construction disturbances should be repaired or additionally undercut to a firm stratum.

It is highly recommended that excavations should not remain open for any significant length of time. Only sufficient excavation should be opened that can be successfully completed in one (1) day. Any foundation that remains open greater than one (1) day should have a 3" mud sill placed to protect the foundation bottom from disturbances. The mudsill can be ±3" in thickness of low strength (1,000 psi) fill concrete. Foundation concrete should be cast in forms. All concrete should be placed in accordance with the recommended practices of the American Concrete Institute.

8.4 Sheeting Shoring and Excavation Bracing

Excavation bracing will be required where excavations exceed 4 feet or cannot be laid back to temporary slope requirements. Excavation bracing can be sheet pile walls, soldier beam and lagging, soil nail walls, etc.

If temporary sheeting, shoring, slope lay backs, embankment or excavation bracing of any kind or character are required, these temporary conditions are in the exclusive control of the contractor. Prior to construction the contractor will provide to the Architect/Engineer a detailed plan providing a narrative of construction, sequencing with a design plan, cross sections and calculations confirming that the approach to be used will remain safe, stable and create no unwanted movements to existing structure, slopes, utilities, pavements, etc. This plan shall conform to all OSHA, Federal, State, and Local or other agencies which provide standards to protect the public. The plan shall bear the signature and seal of a registered professional engineer whose regular practice encompasses the preparation of this type of engineering plans and calculations. The engineer shall be registered in the state of the project.

The submission to the architect/engineer is not for acceptance or review but strictly to be able to document the work during construction for conformance to the submitted plans and specification provided.

8.5 Seismology

Analysis of earthquake induced strong ground motion is a multi-discipline study of geology, soil mechanics, seismology, structural dynamics, mechanical vibration, probability, and statistics. It is an evolving science. Great research efforts are undertaken annually through the federal, state and private sectors to develop accurate methods of prediction, analysis, design and retrofit to lessen the impact of potentially catastrophic earthquakes. The seismic structural portion of the IBC greatly simplifies the underlying science of strong ground motion and is incorporated into the IBC and ASCE-7. We have included portions of ASCE 7-16 here. The entire code and commentary should be consulted before proceeding with the design.

Table 8.5 – Seismic Site Class Definitions

Site Class	$\bar{v}_s$	$\bar{N}$ or $\bar{N}_{ch}$	$\bar{s}_u$
A. Hard Rock	>5,000 ft/s	NA	NA
B. Rock	2,500 to 5,000 ft/s	NA	NA
C. Very Dense Soil and Soft Rock	1,200 to 2,500 ft/s	>50	>2,000 psf
D. Stiff Soil	600 to 1,200 ft/s	15 to 50	1,000 to 2,000 psf
E. Soft Clay Soil	<600 ft/s	<15	<1,000 psf
	Any profile with more than 10 ft of soil having the following characteristics: -Plasticity index $PI > 20$ -Moisture content $w \geq 40\%$ -Undrained shear strength $\bar{s}_u < 500\ lb/ft^2$		
F. Soils Requiring Site Response Analysis in Accordance with Section 21.1	See Section 20.3.1 (ASCE 7-16)		

*Table based on ASCE 7-16 Table 20.3-1

For this site, the ranking for ground movement established by IBC and in ASCE 7-16 indicates the site classification is “D”, and the seismic design category is “B”. Per the 2020 Building Code, the adapted IBC of New York State, additional seismic analysis is only required for seismic design class “C” through “F”.

8.6 Soil Corrosivity

The conditions promoting corrosion include:

- Low resistivity of ground;
- High concentration of chlorides and sulfides in ground or groundwater;
- Too low or too high hydrogen potential (pH) of ground or groundwater;
- High saturation conditions; and
- Stray currents

Table 8.6.1 – Corrosion Potential Classification

Test	Units	Strong Corrosion Potential/Aggressive	Mild to no Corrosion Potential/Non-Aggressive	ASTM Standard	AASHTO Test Method
pH	-	<4.5,>10	5.5<pH<10	G51	T 289-91
Resistivity	ohm-cm	<2,000	Greater than 5,000	G57	T 288-91
Sulfates	ppm(1)	>200	Less than 200	D516	T 280-91
Chlorides	ppm	>100	Less than 100	D512	T 291-91
Stray Current	-	Present	-	-	-

(1) parts per million.

Table 8.6.2 – Corrosion Laboratory Testing Results

Test	Result	Corrosion Potential
pH	8.4	Low
Resistivity	38,479 ohm-cm	Low
Sulfates	95 ppm	Low
Chlorides	87 ppm	Low

Based on the results of the corrosion testing, the corrosion potential of the soils is relatively low and Type I/II concrete can be used.

9.0 FLOOR SLABS

Based upon the alternatives and review of the test borings for the conventional foundation system, the floor slab is recommended to bear at grade on engineered fill. All undocumented fill in the building footprint should be undercut as described in Section 7.4 of this report. Prior to the placement of engineered fill to grade for the floor slabs. The floor slab area should be proofrolled in accordance with Section 7.5 of this report. A subgrade modulus **(k_s)** of **125 psi/in** can be used for the design of the floor slab. Immediately prior to floor slab construction, the entire subgrade should be densified and recompacted. Any soft areas which develop should be undercut and replaced with a load bearing fill.

After the subgrade is prepared it is recommended that a well graded 6" granular base course be placed including a 15-mil vapor barrier, taped and sealed. The base course should consist of gravel or crushed stone equivalent to an AASHTO No. 57 coarse aggregate. The vapor barrier should be placed in accordance with current recommended guidelines of ACI.

The maximum joint spacing for concrete to reduce the amount of floor slab cracking should not exceed 3xT in feet, where T is slab thickness in inches (not greater than 15 feet in width). However, it should be noted that even at this spacing slab cracking has developed.

With the advent of more environmentally compliant low VOC glues, we have encountered a number of instances where the glues have not adhered to the concrete floor substrate. Vapor emissions from concrete can occur for a length time (more than 1 year) after placement. Additionally, moisture in the capillary zone before concrete floor slab placement can eventually through thermal diffusion move upwards through the slab affecting the glue. We have encountered significantly fewer incidents where permeability reduction agents such as Barrier One have been added to the concrete or where a penetrating water sealer has been added to the surface of the concrete. If impermeable surface coverings are proposed it is recommended that the concrete surface should include either a sealer or Barrier One type protection.

For concrete moisture transmission testing, both calcium chloride tests and relative humidity tests should be conducted, prior to floor covering placement.

10.0 RETAINING WALLS

10.1 Earth Pressure Coefficients

It is ARM's understanding that retaining walls are not part of this project. If retaining walls are required, the following recommendations are presented based upon the test borings drilled. Retaining walls designed for active earth pressure should be calculated based upon the Rankine stress relationship, where the earth pressure coefficients are defined below. Wall friction angle is also provided for Coulomb analysis.

Table 10.1 – Earth Pressure Soil Parameters

Coefficient	Silty Gravel with Sand (GM)	NYDOT Type 1/Type 4 Aggregate
ø	32	34
c (psf)	0	0
γ_{moist}, (pcf)	125	140
δ°	20	22

10.2 Coefficient of Lateral Sliding Friction

Lateral resistance for site retaining walls that are not braced by other structural elements should be developed through a combination of friction and passive pressure. A coefficient of friction **(f) of 0.45** is recommended for friction between the wall foundation and soil bearing materials.

10.3 Active/Passive Earth Pressure

Active and passive pressure against the embedded portions or retaining walls and foundations may be computed from the Rankine relationship, where load-bearing fill is being placed against the walls and foundations or the foundations are poured directly against their excavations. The passive pressure for the upper fifty-two (52) inches of the wall should be neglected.

1. Soil: $k_a = \tan^2(45° - ø/2)$ (1)
2. Soil: $k_p = \tan^2(45° + ø/2)$ (2)

10.4 At Rest Retaining Walls

Structural retaining walls which are restrained from deflection should be designed for the condition of at-rest lateral earth pressure (k_o). These earth pressures should be calculated assuming the following.

1. Soil: $k_o = 1 - \sin(ø)$ (3)

The walls should be additionally designed to resist the uniform lateral pressure equal to 0.75 of any expected live loads at the top of the backfill. These below grade walls should also be provided

with a suitable waterproof covering to preclude moisture infiltration. If the walls cannot be adequately drained, they should be designed for full hydrostatic pressure.

10.5 Retaining Wall Drainage

Behind all walls a vertical drainage blanket should be constructed. The blanket should be a minimum of one foot in thickness. The drainage material should be consistent with the grading characteristics of AASHTO Type 57 Stone. Separating the drainage stone from the adjacent soils should be a geotextile drainage filter having the minimum characteristics of Mirafi 180N.

For k_a/k_p conditions, a minimum of four-inch weep holes should be placed six inches above the retained grade at 8 feet on centers. The weep holes should be backed with a screen to resist drainage aggregate movement. For k_o conditions, the vertical drainage blanket should be connected into a foundation drain.

11.0 ENGINEERED (LOAD-BEARING) FILL

Any engineered (load-bearing) fill required to raise a portion of the site to the design grade, including parking areas, engineered (load-bearing) fill required as backfill behind retaining walls, and if necessary engineered (load-bearing) fill utilized for the support of spread and/or wall footings where undercutting of soft or loose soils might be necessary should be placed and compacted in accordance with the following recommendations. In addition, all engineered (load-bearing) fill should extend outside the perimeter of the upgrades 6 feet.

11.1 Fill Materials

The existing undocumented fills should not be used for structural fill anywhere on the site because they create potential for excessive settlement. All stockpiles should be protected from adverse conditions. Where the lack of protection is attributed to the stockpile moisture unsuitability, the contractor should be required to replace the unsuitable materials in the stockpile on a yd./yd. basis. If off-site borrow is required, the borrow materials should meet the criteria for New York Department of Transportation (NYDOT) Type 1 or Type 4 select granular fill in accordance with Section 733-04 of the NYDOT Standard Specifications.

It is possible for alternate borrow material to be used providing it is acceptable to the geotechnical engineer. No asphalt recycled materials should be allowed beneath the structure. Any recycled material proposed for use, should be reviewed with the geotechnical engineer prior to its use.

11.2 Compaction Requirements

11.2.1 Foundations and Floor Slabs

All engineered (load-bearing) fill beneath foundations and floor slabs should be placed in approximately horizontal lifts not exceeding a loose thickness of 10 inches for heavy compaction equipment, 4 inches with mechanical hand methods. All fill placed beneath floor slabs, foundations and any other surface cartways (parking lots) where structural capacity needs to be achieved shall be compacted to at least 95% of the maximum modified density achieved in ASTM D1557, latest edition. The moisture content of all engineered (load-bearing) fill should be maintained within ± 2% of the optimum values as determined in ASTM D1557, latest edition. Structural filling within the building area should be suspended when moisture contents extend beyond these limits. Wetting or drying may be necessary to achieve this requirement.

11.2.2 Utility Trenches (Where Required)

Once the protective fill is placed over the pipes as required (sand, gravel, etc.) utility trench backfill shall be placed in horizontal lifts not to exceed 8" in thickness and compacted to a density not less than 95% of ASTM D1557 with moisture content variation not greater than ±2% of the optimum values up to 3 feet below ground surface. The upper three feet of the trench backfill should be compacted to 97% of ASTM D1557 with moisture content variation not greater than ±2% of the optimum values. As an alternate, flowable fill can be used to backfill the trenches.

11.3 Fill Inspection

Observations, inspections and testing services are considered an extension of our geotechnical services for consistency and understanding of the geotechnical report and how the recommendations were developed. It is considered the observation, inspections and testing of site soils is an extension of our geotechnical services. With the technical nature of this project, it is highly recommended that all site excavations, engineered (load- bearing) fill construction or specialized geotechnical contracting be performed under the observation of ARM. Our engineering technician will observe and document the construction and make appropriate field tests, as necessary, to determine that acceptable fill materials are being used and that the construction is being performed in accordance with the plans, specifications, and good construction practices. Based upon past experience, the most effective fill inspection is obtained by the continuous presence of our qualified inspector while fill construction is in progress.

11.4 Testing and Observation Frequency

All fills placed at the site should be placed under the continuous observation of a geotechnical engineering firm whose engineering technician reports directly to a registered geotechnical engineer. As a minimum testing frequency, the following is recommended. It should be noted the actual engineering technician should determine the frequency of testing.

11.4.1 Mass Fill

Every lift. Not less than one (1) test/day. Not less than one (1) test for each 5,000 ft^2 of fill placed. At least one (1) initial proctor test should be performed with the corresponding gradation. A gradation check should be performed for each 5,000 yd^3 of fill used at the site.

11.4.2 Backfill

Every lift. Not less than one (1) test/day. One (1) test each 50 lineal feet of backfill placed. At least one (1) initial proctor should be performed with its corresponding gradation and one (1) proposed alternate material. During construction, at least one (1) gradation check should be performed for each 2,500 yd^3 of material used.

12.0 GROUNDWATER CONTROL

12.1 Perimeter Drain

It has been our experience that the use of a perimeter drain has reduced the surface water infiltration from impacting the soils beneath the foundations. Therefore, we are recommending the foundation be provided with a permanent drainage system. The subdrain pipe component should be a minimum of 6 inches in diameter and sloped to drain (>0.005 inches). The perimeter drain should be located at the base of the footing. The drainpipe should be surrounded by a drainage course consisting of coarse aggregate material and should be wrapped in a non-woven, needle-punched geotextile (Mirafi 180N or equal). Minimum overlap between adjacent sheets of geotextile should be 18 inches, or in accordance with the manufacturer's recommendations. The drainage pipe should be drained to a suitable gravity outfall which is not subject to storm water surcharge during periods of precipitation, or pumped.

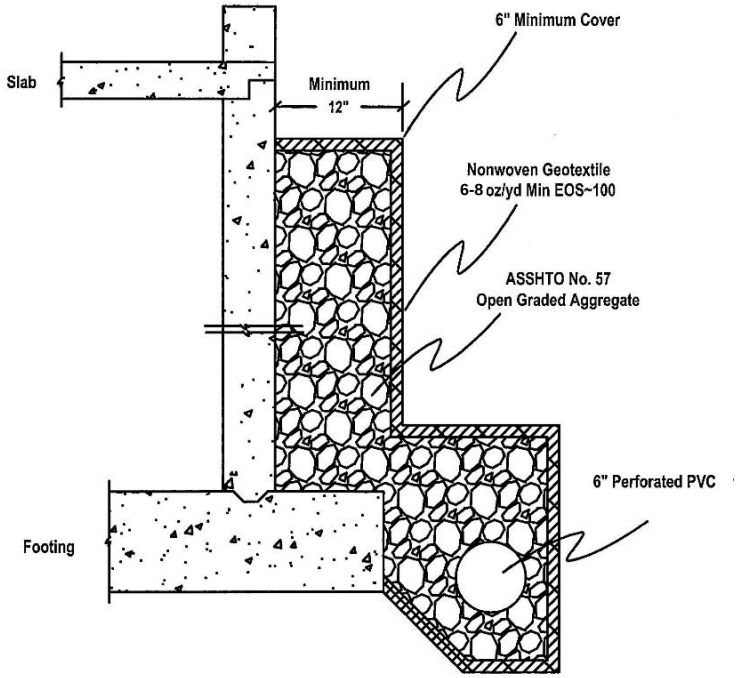


Figure 2 – Perimeter Drain Detail

12.2 Excavation Dewatering

A major excavation dewatering program is not anticipated to be necessary at this site. However, some excavation dewatering should be anticipated. This could include construction drains and sumps to collect and discharge site water. Indiscriminate accumulations of water at this site will potentially create unstable and weak soils. Groundwater seepage will also need to be expected. Uncontrolled seepage will cause yielding in the impacted soils. If groundwater is encountered, ARM should be contacted to evaluate. The site contractor should be prepared to maintain a dry excavation.

13.0 PAVEMENT

It is our understanding that a new parking lot is proposed to be constructed along with the proposed building additions. Prior to placement of subbase below the proposed pavement, the subgrade should be proofrolled and recompacted to 95% ASTM D1557. See Section 11 for load-bearing fill discussion. Upon recompaction of the subgrade a subgrade resilient modulus of 6,300 psi should be achieved. In addition to recompacting the subgrade, ARM recommends placing an Mirafi HP370 geotextile prior to placement of the subbase.

We suggest pavement thicknesses as follows based upon a subgrade modulus of 6,300 psi. These suggested pavement thickness should not be incorporated into the design without discussion with the Civil Engineer.

Table 13.0 – Recommended Pavement Sections

Structure	Structural Coefficient	Standard Duty Minimum Thickness (inches)	Heavy Duty Minimum Thickness (inches)
NYDOT Type 1/Type 4 Subbase	0.14	6	8
Asphalt Base Course	0.4	3.5	4.5
Asphalt Top Course	0.44	1.5	1.5

14.0 REFERENCE PUBLICATIONS

Rickard, L.V., Isachsen, Y.W., and Fisher, D.W., New York State Museum and Science Service, Map and Chart Series 15, 1970, Geologic Map of New York: Finger Lakes Sheet.

United States Department of Agriculture, Soil Conservation Service, March 1971. Soil Survey of Broome County, New York.

15.0 LIMITATIONS

This preliminary report has been prepared to aid in the evaluation of the site for the proposed addition to the Theodore Roosevelt Elementary School in Binghamton, NY. Project stakeholders must understand that recommendations have been provided to serve as a partial basis for decision making. Additional investigations may be necessary.

Regardless of the thoroughness of a geotechnical exploration, there is always a possibility that conditions between test locations will be materially different from those encountered at the specific testing locations. In addition, soil and groundwater conditions may become altered by construction activities and the passage of time. These possibilities should be fully considered by the designers and contractors.

Any reports prepared by ARM (Consultant) are for general geotechnical information purposes only and are intended for the exclusive use of the Client for the Project and the scope of services defined in the agreement for professional services between Client and Consultant for the Project. No 3rd Party reliance is permitted or provided for this report.

Client acknowledges that further design and engineering services are necessary to establish a basis for design engineering, cost and quantity estimating, and construction work for the Project, including but not limited to excavation, foundations, pavement, dewatering, removal of unsuitable materials, or related aspects of engineering and construction. Accordingly, Client shall not rely on these reports to prepare bids or estimates for design engineering and construction work. A more fully developed scope of investigation, analysis and consultation will be required for further design and engineering and quantity estimation purposes.

These analyses and recommendations are, of necessity, based on the information made available to us at the time of the actual writing of the report as well as site conditions, surface and subsurface within only the depths investigated and existing at the time of the exploratory pits in relations both to the areal extent of the site and to the investigate depth are representative of conditions across the site. If subsurface conditions are encountered which differ from those reported herein, ARM should be notified immediately so that the analyses and recommendations can be reviewed and/or revised as necessary. It is also required that:

(1) ARM-NY Inc. PC be present at the site during the construction phase to verify installation according to approved plans and specifications. This is particularly important during excavation placement, compaction of fill material.

(2) This report consists of a set of engineering opinions developed for use in interpretation of the generalized geotechnical conditions exposed at this site. This report is not considered to be a specification nor shall this report be used as a specification.

ARM's professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted principles and practices. This warranty is in lieu of all other warranties either implied or expressed. ARM-NY Inc. PC assumes no responsibility for interpretations made by others based on work or recommendations made by ARM-NY Inc. PC. By receiving this report and using it in any manner, the client or any other person accepts that no individual is personally liable whether in tort, contract for breach of statutory duty or otherwise.

The report contained herein is proprietary and was prepared exclusively to aid the design process. The report is copyrighted.

16.0 DISCLAIMER

All available data contained in this report concerning subsurface materials or conditions, whether based upon soundings, test pits, or otherwise, has been obtained by the retained Geotechnical Consultant for his own use in designing this project. Its accuracy or completeness is not guaranteed by the Geotechnical Consultant, and **IS NOT PART OF THE CONTRACT PLANS OR SPECIFICATIONS. CONTRACTORS MUST ASSUME ALL RISKS AS THEY MAY RELATE TO THIS GEOTECHNICAL REPORT** for this project and shall not be entitled to rely on any subsurface information obtained from the retained Geotechnical Consultant and contained in this report. Contractors shall therefore make their own investigation of existing subsurface conditions, and if they do not do so, neither the Geotechnical Consultant nor Owner will be responsible in any way for the consequences.

Appendix A
Plates



AERIAL MAP

SCALE: NTS

THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

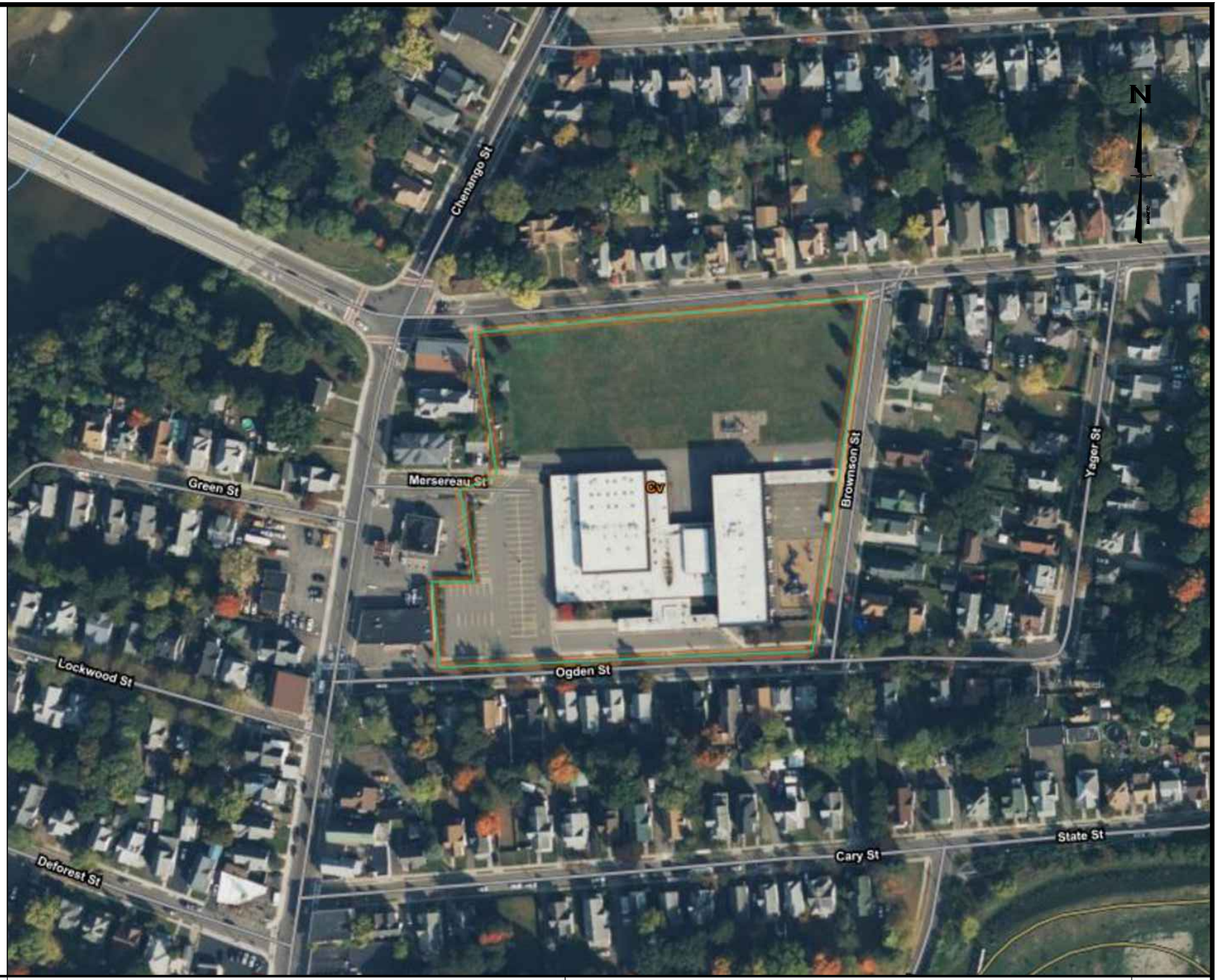
SHEET NO. 1

DATE 08/28/2024

PROJECT # 24011548.00

Soil Descriptions:

Cv Cut and fill lands, gravelly materials



SOILS MAP

SCALE: NTS

THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

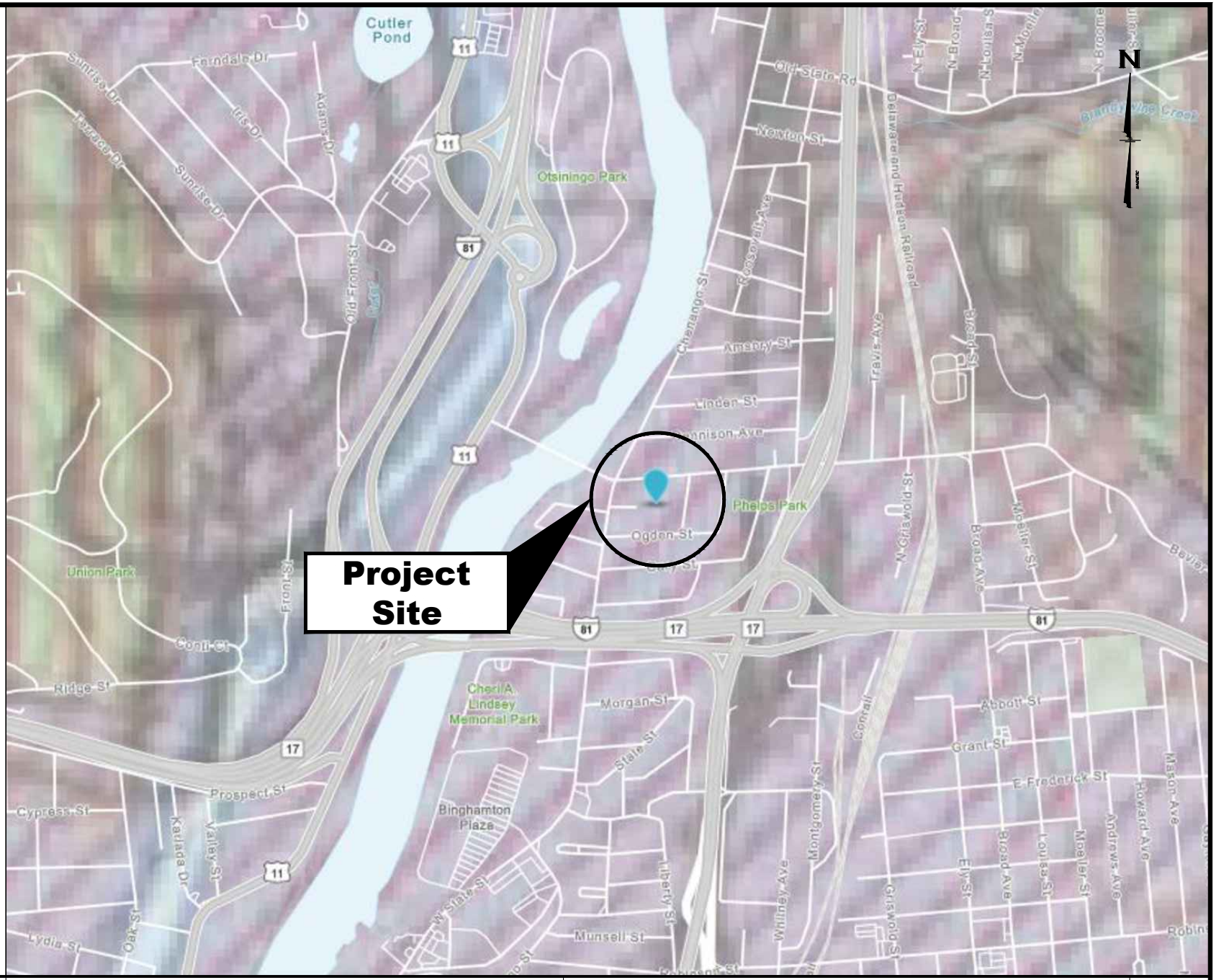
SHEET NO. 2

DATE 08/28/2024

PROJECT # 24011548.00

Geologic Descriptions:

The Sonyea Formation consists of a basal black shale, the Middlesex Shale Member, and an upper gray shale with limestone nodules, the Cashaqua Shale Member. Members grade eastward into sequence of siltstone and silty shale, which is part of the general turbidite facies of the Catskill delta. The Middlesex is about 65 ft thick in the reference section 0.8 mi south of the village of Middlesex, Yates Co., NY.



GEOLOGIC MAP

SCALE: NTS

THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

SHEET NO. 3

DATE 08/28/2024

PROJECT # 24011548.00



BORING LOCATION PLAN

SCALE: 1" = 80'

THEODORE ROOSEVELT ELEMENTARY
BINGHAMTON TOWNSHIP
BROOME COUNTY, NEW YORK

ARM-NY Inc. PC
An ARM Group Company

SHEET NO. 4

DATE 08/28/2024

PROJECT # 24011548.00

Appendix B
Test Boring Logs

Key to Soil and Rock Classifications

HARDNESS CLASSIFICATION OF INTACT ROCK FROM CORE SPECIMENS

HARDNESS	FIELD TEST
EXTREMELY HARD	MANY BLOWS WITH GEOLOGIC HAMMER REQUIRED TO BREAK INTACT SPECIMEN.
VERY HARD	HAND HELD SPECIMEN BREAKS WITH HAMMER END OF PICK UNDER MORE THAN ONE BLOW; LEAVES FAINT GROOVE WHEN SCRATCHED WITH KNIFE.
HARD	CANNOT BE SCRAPED OR PEELED WITH KNIFE; HAND HELD SPECIMEN CAN BE BROKEN WITH SINGLE MODERATE BLOW WITH PICK.
SOFT	CAN JUST BE SCRAPED OR PEELED WITH KNIFE; INDENTATIONS 1-3 MM SHOW IN SPECIMEN WITH MODERATE BLOW WITH PICK; SIMILAR TO CONCRETE.
VERY SOFT	MATERIAL CRUMBLES UNDER MODERATE BLOW WITH PICK AND CAN BE PEELED WITH KNIFE; CAN BE SCRATCHED WITH FINGERNAIL.

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 9.

WEATHERING CLASSIFICATION

GRADE	DIAGNOSTIC FEATURES
FRESH	NO VISIBLE SIGN OF DECOMPOSITION OR DISCOLORATION; SPECIMEN RINGS UNDER HAMMER IMPACT.
SLIGHTLY WEATHERED	SLIGHT DISCOLORATION INWARDS FROM OPEN FRACTURES, OTHERWISE SIMILAR TO FRESH.
MODERATELY WEATHERED	DISCOLORATION THROUGHOUT; WEAKER MINERALS SUCH AS FELDSPAR DECOMPOSED; STRENGTH SOMEWHAT LESS THAN FRESH ROCK BUT CORES CANNOT BE BROKEN BY HAND OR SCRAPED WITH KNIFE; TEXTURE PRESERVED.
HIGHLY WEATHERED	MOST MINERALS SOMEWHAT DECOMPOSED; SPECIMENS CAN BE BROKEN BY HAND WITH EFFORT OR SHAVED WITH KNIFE; CORE STONES PRESENT IN ROCK MASS; TEXTURE BECOMING INDISTINCT BUT FABRIC PRESERVED.
COMPLETELY WEATHERED	MINERALS DECOMPOSED TO SOIL BUT FABRIC AND STRUCTURE PRESERVED (AKA SAPROLITE); SPECIMENS EASILY CRUMBLED OR PENETRATED.

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 7.

DENSITY OF GRANULAR SOILS

SPT N-VALUE (bpf)	DESCRIPTION	RELATIVE DENSITY (D_r) (%)	FIELD TEST
0 – 4	VERY LOOSE	< 15	½ -INCH (#4) BAR PENETRATED WITH LITTLE OR NO EFFORT BY HAND.
5 – 10	LOOSE	15 – 40	EASILY PENETRATED BY HAND. ROD WILL TAKE UP WITHIN 6 – 12 INCHES.
11 – 30	MEDIUM DENSE	40 – 70	DIFFICULTY IN PENETRATING BY HAND. ROD WILL TAKE UP WITHIN 3 – 6 INCHES.
31 – 50	DENSE	70 – 85	ROD PENETRATED 12 INCHES DRIVEN WITH 5 POUND HAMMER.
> 50	VERY DENSE	85 - 100	ROD PENETRATED A FEW INCHES DRIVEN WITH 5 POUND HAMMER.

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Figure 1

CONSISTENCY OF COHESIVE SOILS

SPT N-VALUE (bpf)	DESCRIPTION	UNCONFINED COMPRESSIVE STRENGTH (Q_u) (tsf)	FIELD TEST
< 2	VERY SOFT	< 0.25	EXTRUDED BETWEEN FINGERS WHEN SQUEEZED.
2 – 4	SOFT	0.25 – 0.50	MOLDED BY LIGHT FINGER PRESSURE, EASILY PENETRATED.
4 – 8	MEDIUM	0.50 – 1.00	MOLDED BY STRONG FINGER PRESSURE, WITH MODERATE EFFORT.
8 – 15	STIFF	1.00 – 2.00	READILY INDENTED BY THUMB, PENETRATED WITH GREAT EFFORT.
15 – 30	VERY STIFF	2.00 – 4.00	READILY INDENTED BY THUMBNAIL.
> 30	HARD	> 4.00	INDENTED WITH DIFFICULTY BY THUMBNAIL

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 4

DISCONTINUITY SPACING

DESCRIPTION FOR STRUCTURAL FEATURES	SPACING	DESCRIPTION FOR JOINTS, FAULTS, OTHER FEATURES
VERY THICKLY	> 6 FEET	VERY WIDELY
THICKLY	2 – 6 FEET	WIDELY
MEDIUM	8 – 24 INCHES	MEDIUM
THINLY	2 ½ - 8 INCHES	CLOSELY
VERY THINLY	¾ - 2 ½ INCHES	VERY CLOSE
INTENSELY	¼ - ¾ INCHES	EXTREMELY CLOSE
VERY INTENSELY	< ¼ INCH	

Reference: NAVFAC, DM-7.1, Soil Mechanics, Chapter 1, Table 8

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LOG OF BORING

BORING NO. **B-1**

SHEET **1** OF **1**

PROJECT **Theodore Roosevelt Elementary Binghampton**
Binghampton, NY

NORTH **N 772,451**
EAST **E 1,005,426**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **9-4-24**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **9-4-24**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT ▽
____ HOURS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
No Water Encountered

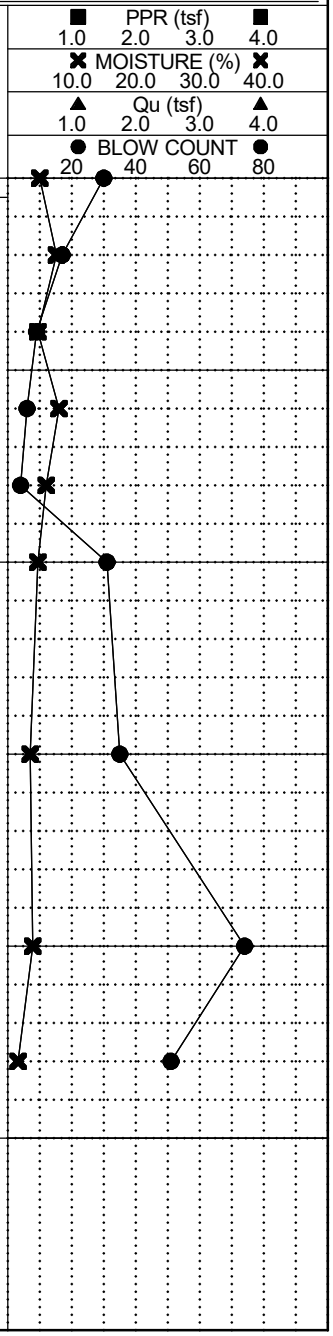
BORING METHOD

- [ ] HAND AUGER
- [X] HOLLOW STEM AUGER
- [ ] CONTINUOUS FLIGHT AUGER
- [ ] DRIVING CASING
- [ ] ROTARY (MUD) DRILLING
- ____ DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- [X] SPLIT BARREL **2 Inch O.D.**
- [ ] UNDISTURBED SAMPLE
- [ ] AUGER **2.25 Inch**
- [ ] ROCK CORE
- [ ]
- [ ]

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
858.0	S-1		2 8 22 12	45				857.5 **TOPSOIL** FILL: **SILTY SAND with GRAVEL (SM)** brown, very loose to medium dense, moist
	S-2		15 10 7 8	30				
5 853.0	S-3		9 6 3 4	35				
	S-4		4 4 2 2	20				
	S-5		2 2 2 12	5				
10 848.0	S-6		20 13 18 14	20				848.0 **SILTY GRAVEL with SAND (GM)** with cobbles, brown, dense to very dense, moist
15 843.0	S-7		33 19 16 23	50				
20 838.0	S-8		22 46 28 20	25				
	S-9		24 21 30 25	30				
25 833.0								833.0 EOB @ 25'



REMARKS: **Elevations estimated from Google Earth. Locations estimated from "Boring Location Figure" prepared by Passero Associates. Boring bakcfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 858

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-2**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Binghampton**
Binghampton, NY

NORTH **N 772,565**
EAST **E 1,005,535**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **9-4-24**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **9-4-24**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT ▽
____ HOURS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
No Water Encountered

BORING METHOD

- ☐ HAND AUGER
- ☒ HOLLOW STEM AUGER
- ☐ CONTINUOUS FLIGHT AUGER
- ☐ DRIVING CASING
- ☐ ROTARY (MUD) DRILLING
- ____ DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- ☒ SPLIT BARREL **2 Inch O.D.**
- ■ UNDISTURBED SAMPLE
- ◧ AUGER **2.25 Inch**
- ◧ ROCK CORE

DEPTH AND ELEVN. (FT)	NUMBER	SPT VALUES	CORE REC. %	RQD %	SOIL DESCRIPTION
858.0	S-1	2 7 19 11	30		857.4 **TOPSOIL** FILL: **SILTY SAND with GRAVEL (SM)** brown, medium dense, moist
	S-2	10 6 6 7	5		
					854.0 **SILTY GRAVEL with SAND (GM)** with cobbles, brown, medium dense to very dense, moist
5 853.0	S-3	13 11 7 12	20		
	S-4	16 19 20 19	50		
	S-5	15 19 19 23	55		
10 848.0	S-6	18 20 21 20	50		
15 843.0	S-7	22 35 27 24	75		
20 838.0	S-8	20 34 36 40	80		
	S-9	30 32 27 34	70		
25 833.0					833.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80

REMARKS: **Elevations estimated from Google Earth. Locations estimated from "Boring Location Figure" prepared by Passero Associates. Boring bakcfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 858

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-3**

SHEET 1 OF 1

PROJECT **Theodore Roosevelt Elementary Binghampton**
Binghampton, NY

NORTH **N 772,509**
EAST **E 1,005,653**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **9-4-24**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **9-4-24**

GROUNDWATER

ENCOUNTERED DURING
DRILLING AT ▽
____ HOURS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
____ DAYS AFTER DRILLING ▼
No Water Encountered

BORING METHOD

- ☐ HAND AUGER
- ☒ HOLLOW STEM AUGER
- ☐ CONTINUOUS FLIGHT AUGER
- ☐ DRIVING CASING
- ☐ ROTARY (MUD) DRILLING
- ____ DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- ☒ SPLIT BARREL **2 Inch O.D.**
- ■ UNDISTURBED SAMPLE
- ◧ AUGER **2.25 Inch**
- ◧ ROCK CORE

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80

DEPTH AND ELEVN. (FT)	NUMBER	SPT VALUES	CORE REC. %	RQD %	SOIL DESCRIPTION
858.0	S-1	3 10 13 13	75		857.5 **TOPSOIL** FILL: **SILTY SAND with GRAVEL (SM)** with traces of brick, asphalt and wood, brown, loose to medium dense, moist
	S-2	11 7 6 6	45		
5	S-3	6 5 5 4	20		
853.0	S-4	3 3 11 5	20		
	S-5	4 6 3 26	15		
10					848.0
848.0	S-6	30 24 30 23	60		**SILTY GRAVEL with SAND (GM)** with cobbles, brown, medium dense to very dense, moist
15					
843.0	S-7	10 13 16 18	35		
20					
838.0	S-8	15 22 25 40	70		
	S-9	20 30 27 39	60		
25					833.0
833.0					EOB @ 25'

REMARKS: **Elevations estimated from Google Earth. Locations estimated from "Boring Location Figure" prepared by Passero Associates. Boring bakcfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 858

ARM-NY Inc. PC
An ARM Group Company

LOG OF BORING

BORING NO. **B-4**

SHEET **1** OF **1**

PROJECT **Theodore Roosevelt Elementary Binghampton**
Binghampton, NY

NORTH **N 772,355**
EAST **E 1,005,738**

EXPLORATION CONTRACTOR **Pocono Test Borings & Drilling Co.**
STARTED **9-4-24**

ENGINEER REP. **Mark Sottile**
LOGGED BY **Frank Sipple Jr.**
COMPLETED **9-4-24**

GROUNDWATER

ENCOUNTERED DURING DRILLING AT ▽
____ HOURS AFTER DRILLING ▽
____ DAYS AFTER DRILLING ▽
____ DAYS AFTER DRILLING ▽
No Water Encountered

BORING METHOD

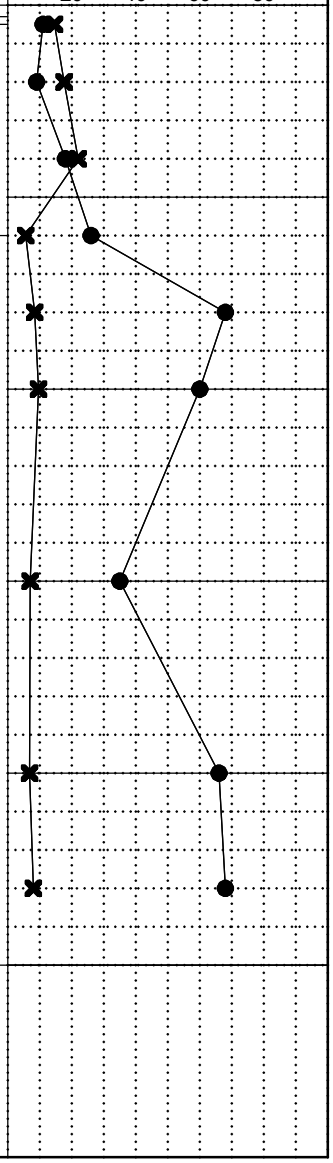
- [ ] HAND AUGER
- [X] HOLLOW STEM AUGER
- [ ] CONTINUOUS FLIGHT AUGER
- [ ] DRIVING CASING
- [ ] ROTARY (MUD) DRILLING
- ____ DEPTH MUD STARTED

SAMPLER TYPE AND DATA

- SPLIT BARREL **2 Inch O.D.**
- UNDISTURBED SAMPLE
- AUGER **2.25 Inch**
- ROCK CORE

DEPTH AND ELEVN. (FT)	NUMBER	LEGEND	SPT VALUES	CORE REC. %	RQD %	WATER LEVEL	SYMBOLIC LOG	SOIL DESCRIPTION
861.0	S-1		4 5 6	15				860.7 **ASPHALT**
								860.5 FILL: **SUBBASE**
	S-2		4 4 5 5	20				FILL: **SILTY SAND with GRAVEL (SM)** trace of concrete, brown, loose to medium dense, moist
5	S-3		8 10 8 9	25				
856.0								855.0
	S-4		17 15 11 13	35				**SILTY GRAVEL with SAND (GM)** with cobbles, brown, medium dense to very dense, moist
	S-5		26 24 44 27	65				
10 851.0	S-6		30 25 35 20	50				
15 846.0	S-7		9 10 25 25	20				
20 841.0	S-8		19 34 32 39	70				
	S-9		24 38 30 30	85				
25 836.0								836.0 EOB @ 25'

PPR (tsf) 1.0 2.0 3.0 4.0
MOISTURE (%) 10.0 20.0 30.0 40.0
Qu (tsf) 1.0 2.0 3.0 4.0
BLOW COUNT 20 40 60 80



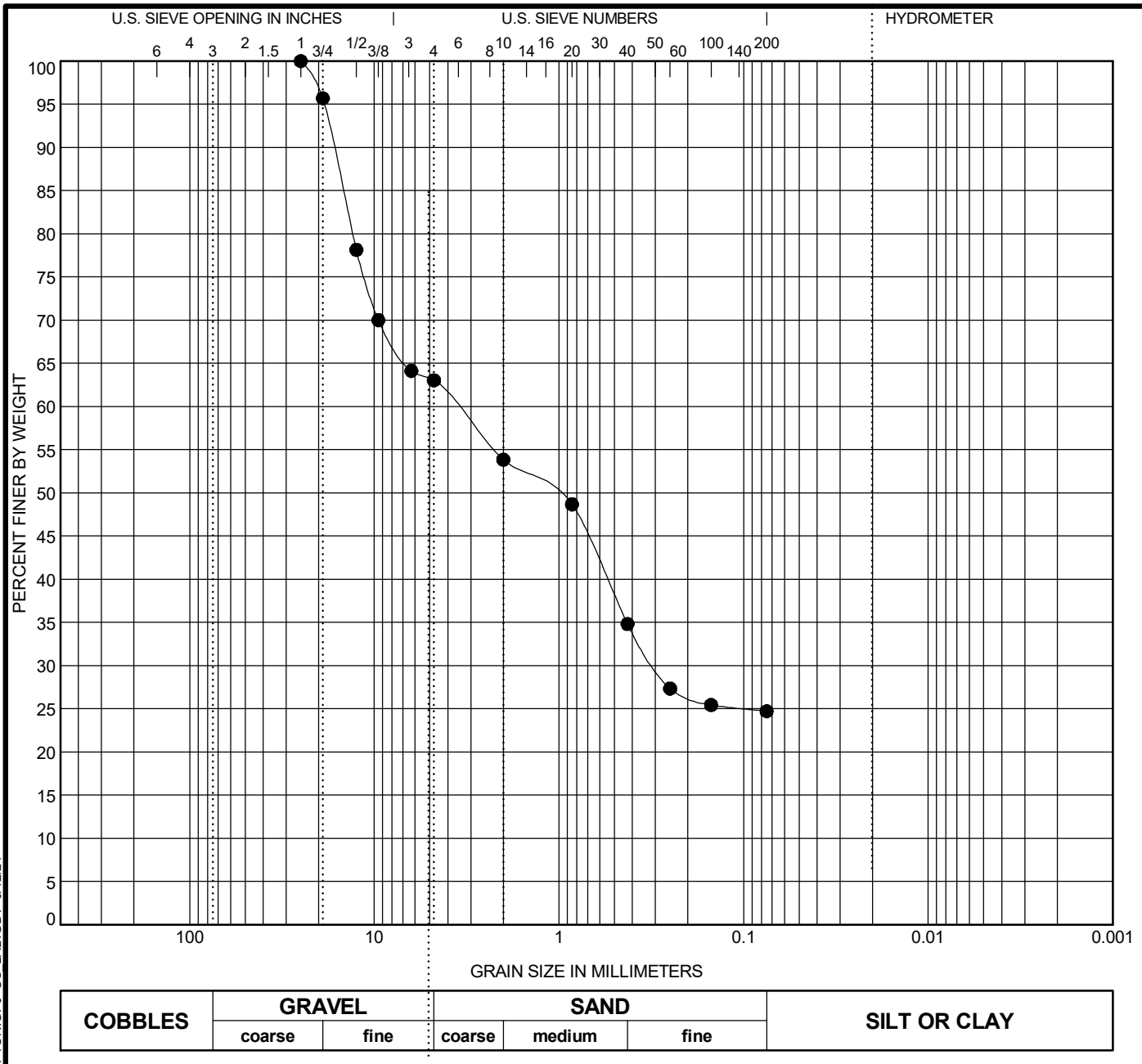
REMARKS: **Elevations estimated from Google Earth. Locations estimated from "Boring Location Figure" prepared by Passero Associates. Boring bakcfilled with grout.**

The stratification lines represent approximate boundaries between soil types: Insitu the transition may be gradual.

BOREHOLE LOCATION

STATION:
OFFSET:
ELEVATION: 861

Appendix C
Laboratory Test Results



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen Identification		Classification	LL	PL	PI	Cc	Cu
●	B-1	S-3	SILTY SAND with GRAVEL(SM)	NP	NP	NP		

	Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
●	B-1	S-3	25	3.568	0.302		37.0	38.3	24.7	

ARM-NY Inc. PC
An ARM Group Company

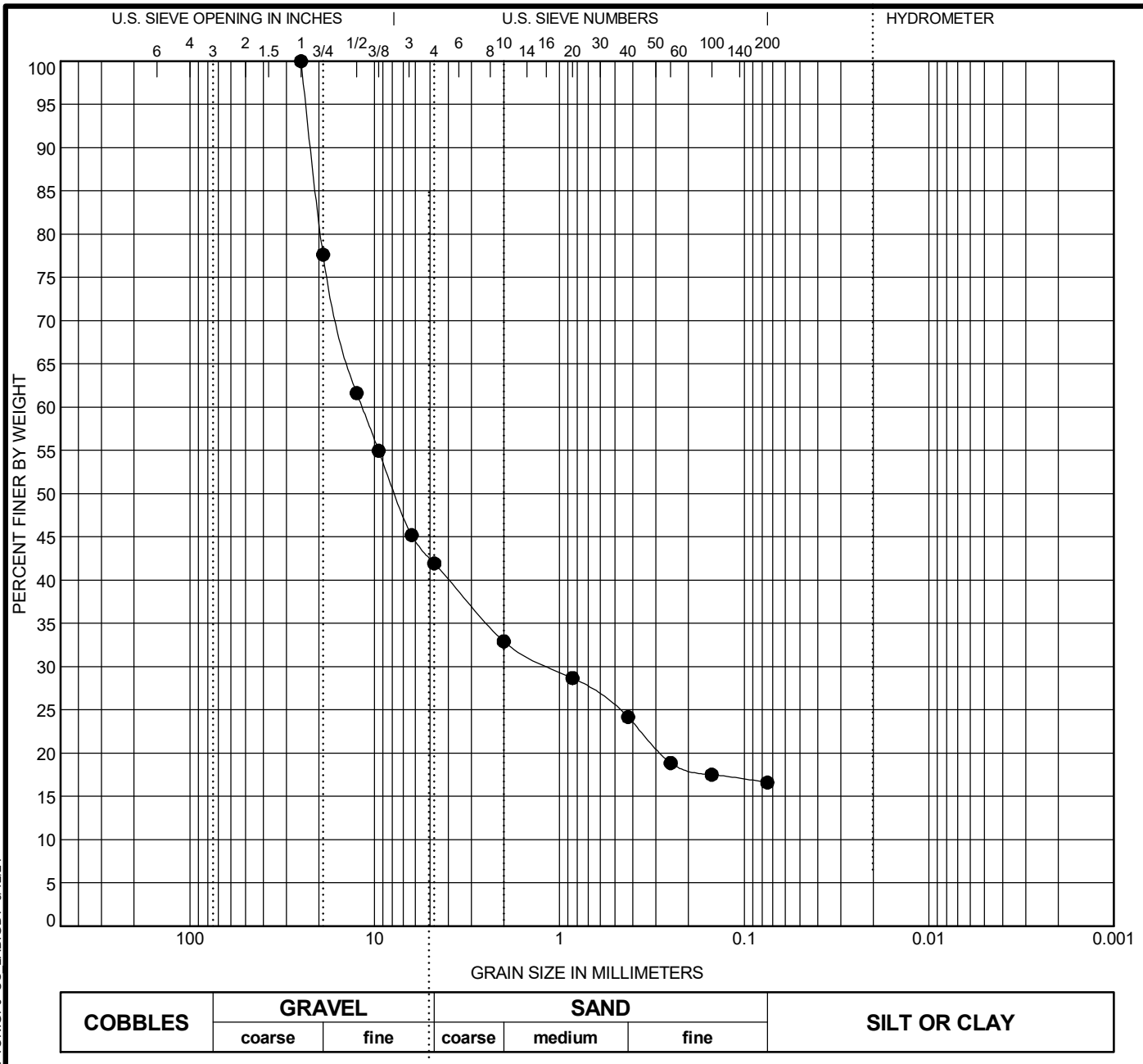
GRAIN SIZE DISTRIBUTION

Project: Theodore Roosevelt Elementary Binghampton

Location: Binghampton, NY

Number: 24011548

US_GRAIN_SIZE_ARM 24011548 - THEODORE ROOSEVELT ELEMENTARY BINGHAMPTON.GPJ US_LAB.GDT 9/12/24



Specimen Identification		Classification	LL	PL	PI	Cc	Cu
● B-1	S-7	SILTY GRAVEL with SAND(GM)	NP	NP	NP		

Specimen Identification		D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● B-1	S-7	25	11.691	1.108		58.1	25.3	16.6	

ARM-NY Inc. PC
An ARM Group Company

GRAIN SIZE DISTRIBUTION

Project: Theodore Roosevelt Elementary Binghampton

Location: Binghampton, NY

Number: 24011548

US_GRAIN_SIZE_ARM 24011548 - THEODORE ROOSEVELT ELEMENTARY BINGHAMPTON.GPJ US_LAB.GDT 9/12/24

MOISTURE CONTENT AND REFERRAL

PROJECT: Theodore Roosevelt Elementary **PROJECT NUMBER: 24011548**

LOCATION: Binghampton, NY **DATE: 9/9/2024**

BORE HOLE NO.	SAMPLE NO.	DEPTH (feet)	VISUAL IDENTIFICATION	MOISTURE CONTENT (%)
B-1	S-1	0 - 2	Refer to B-1, S-3, (fill)	5.0
	S-2	2 - 4	Refer to B-1, S-3, (fill)	7.6
	S-3	4 - 6	SILTY SAND with GRAVEL (SM)	4.7
	S-4	6 - 8	Refer to B-1, S-3, (fill)	8.0
	S-5	8 - 10	Refer to B-1, S-3, (fill)	6.0
	S-6	10 - 12	Refer to B-1, S-7	4.7
	S-7	15 - 17	SILTY GRAVEL with SAND (GM)	3.5
	S-8	20 - 22	Refer to B-1, S-7	3.9
	S-9	23 - 25	Refer to B-1, S-7	1.6
B-2	S-1	0 - 2	Refer to B-1, S-3, (fill)	19.1
	S-2	2 - 4	Refer to B-1, S-3, (fill)	4.8
	S-3	4 - 6	Refer to B-1, S-7	1.6
	S-4	6 - 8	Refer to B-1, S-7	4.0
	S-5	8 - 10	Refer to B-1, S-7	3.7
	S-6	10 - 12	Refer to B-1, S-7	2.6

MOISTURE CONTENT AND REFERRAL				
PROJECT: Theodore Roosevelt Elementary				**PROJECT NUMBER: 24011548**
LOCATION: Binghampton, NY				**DATE: 9/9/2024**
BORE HOLE NO.	**SAMPLE NO.**	**DEPTH** (feet)	**VISUAL IDENTIFICATION**	**MOISTURE CONTENT (%)**
B-2	S-7	15 - 17	Refer to B-1, S-7	2.5
	S-8	20 - 22	Refer to B-1, S-7	2.8
	S-9	23 - 25	Refer to B-1, S-7	2.4
B-3	S-1	0 - 2	Refer to B-1, S-3, trace of brick, asphalt, and wood (fill)	5.7
	S-2	2 - 4	Refer to B-1, S-3, trace of brick, asphalt, and wood (fill)	4.9
	S-3	4 - 6	Refer to B-1, S-3, trace of brick, asphalt, and wood (fill)	3.8
	S-4	6 - 8	Refer to B-1, S-3, trace of brick, asphalt, and wood (fill)	6.0
	S-5	8 - 10	Refer to B-1, S-3, trace of brick, asphalt, and wood (fill)	9.2
	S-6	10 - 12	Refer to B-1, S-7	4.0
	S-7	15 - 17	Refer to B-1, S-7	2.1
	S-8	20 - 22	Refer to B-1, S-7	2.0
	S-9	23 - 25	Refer to B-1, S-7	2.5
B-4	S-1	0.5 - 2	Refer to B-1, S-3, trace of concrete (fill)	7.3
	S-2	2 - 4	Refer to B-1, S-3, trace of concrete (fill)	8.8

MOISTURE CONTENT AND REFERRAL

PROJECT: Theodore Roosevelt Elementary **PROJECT NUMBER: 24011548**

LOCATION: Binghampton, NY **DATE: 9/9/2024**

BORE HOLE NO.	SAMPLE NO.	DEPTH (feet)	VISUAL IDENTIFICATION	MOISTURE CONTENT (%)
B-4	S-3	4 - 6	Refer to B-1, S-3, trace of concrete (fill)	11.0
	S-4	6 - 8	Refer to B-1, S-7	2.8
	S-5	8 - 10	Refer to B-1, S-7	4.2
	S-6	10 - 12	Refer to B-1, S-7	4.8
	S-7	15 - 17	Refer to B-1, S-7	3.5
	S-8	20 - 22	Refer to B-1, S-7	3.4
	S-9	23 - 25	Refer to B-1, S-7	4.0

Theodore Roosevelt Elementary
ARM Project Number: 24011548

Corrosion Suite LABORATORY REPORT

Material Tested:	SPT Soil Jar
Date:	September 18, 2024
Sample Identification	B-2, S-3/4

Chlorides (ppm)	87
Sulfates (ppm)	95
pH	8.4
Resistivity (ohm-cm)	38,479

Appendix D
Important Information About Your Geotechnical Report

IMPORTANT INFORMATION
ABOUT YOUR GEOTECHNICAL ENGINEERING REPORT

More construction problems are caused by site subsurface conditions than any other factor.

The following recommendations are offered to help you reduce the geotechnical-related delays, cost-overruns and other costly headaches that can occur during a construction project.

A GEOTECHNICAL ENGINEERING REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

A geotechnical engineering report is based on a subsurface exploration plan designed to incorporate a unique set of project-specific factors. These typically include: the general nature of the structure involved, its size and configuration; the location of the structure on the site and its orientation, physical concomitants such as access roads, parking lots, and underground utilities, and the level of additional risk which the client assumed by virtue of limitations imposed upon the exploratory program. To help avoid costly problems, consult ARM-NY Inc. PC (ARM), to determine how any factors which change subsequent to the date of the report may affect its recommendations.

Unless ARM indicates otherwise, *this geotechnical engineering report should not be used;*

- When the nature of the proposed structure is changed, for example, if an office building will be erected instead of a parking garage, or if a refrigerated warehouse will be built instead of an unrefrigerated one;
- When the size or configuration of the proposed structure is altered;
- When the location or orientation of the proposed structure is modified;
- When there is a change of ownership, or
- For application to an adjacent site.

ARM cannot accept responsibility for problems which may develop if they are not consulted after factors considered in their report's development have changed.

GEOTECHNICAL "FINDINGS" ARE PROFESSIONAL ESTIMATES

Site exploration identifies actual subsurface conditions only at those points where samples are taken, when they are taken. Data derived through sampling and subsequent laboratory testing are extrapolated by geotechnical engineers who then render an opinion about overall subsurface conditions, their likely reaction to proposed construction activity, and appropriate foundation design. Even under optimal circumstances actual conditions may differ from those inferred to exist, because no geotechnical engineer, no matter how qualified, and no subsurface exploration program, no matter how comprehensive, can reveal what is hidden by earth, rock and time. The actual interface between materials may be far more gradual or abrupt than a report indicates. Actual conditions in areas not sampled may differ from predictions. *Nothing can be done to prevent the unanticipated, but steps can be taken to help minimize their impact.* For this reason, *most experienced owners retain their geotechnical consultants through the construction stage* to identify variances, conduct additional tests which may be needed, and to recommend solutions to problems encountered on site.

SUBSURFACE CONDITIONS CAN CHANGE

Subsurface conditions may be modified by constantly changing natural forces. Because a geotechnical engineering report is based on conditions which existed at the time of subsurface exploration, *construction decisions should not be based on a geotechnical engineering report whose adequacy may have been affected by time.* Speak with this office to learn if additional tests are advisable before construction starts.

Construction operations at or adjacent to the site and natural events such as floods, earthquakes or groundwater fluctuations may also affect subsurface conditions and, thus, the continuing adequacy of a geotechnical report. ARM should be kept apprised of any such events and should be consulted to determine if additional test are necessary.

GEOTECHNICAL SERVICES ARE PERFORMED FOR SPECIFIC PURPOSES AND PERSONS

ARM's reports are prepared to meet the specific needs of specific individuals. A report prepared for a consulting civil engineer may not be adequate for a construction contractor, or even some other consulting civil engineer. Unless indicated otherwise, this report was prepared expressly for the client involved and expressly for purposed indicated by the client. The information contained herein is proprietary and cannot be duplicated or copied, or in any manner reproduced without the express written permission of ARM Use by any other persons for any purpose, or by the client for a different purpose, may result in problems. *No individual other than the client should apply this report for its intended purpose without first conferring with ARM. No person should apply this report for any purpose other than that originally contemplated without first conferring with ARM.*

A GEOTECHNICAL ENGINEERING REPORT IS SUBJECT TO MISINTERPRETATION

Costly problems can occur when other design professionals develop their plans based on misinterpretations of a geotechnical engineering report. To help avoid these problems, the geotechnical engineer should be retained to work with other appropriate design professions to explain relevant geotechnical findings and to review the adequacy of their plans and specifications relative to geotechnical issues.

BORING LOGS SHOULD NOT BE SEPARATED FROM THE ENGINEERING REPORT

The boring logs contained within this report are reproductions of the boring contractor's submitted field logs. The report was developed based upon ARM's interpretation of these logs in conjunction with laboratory tests and other field data. *These logs should not under any circumstances be redrawn* for inclusion in architectural or other design drawings, because drafters may commit errors or omissions in the transfer process. Although photographic reproduction eliminates this problem, it does nothing to minimize the possibility of contractors misinterpreting the logs during bid preparation. When this occurs, delays, disputes and unanticipated costs are the all-too-frequent result.

To minimize the likelihood of boring log misinterpretation, *give contractors ready access to the complete geotechnical engineering report* prepared or authorized for their use. Those who do not provide such access may proceed under the *mistaken* impression that simply disclaiming responsibility for the accuracy of subsurface information always insulates them from attendant liability. Providing the best available information to contractors helps prevent costly construction problems and the adversarial attitudes which aggravate them to disproportionate scale.

READ RESPONSIBILITY CLAUSES CLOSELY

Because geotechnical engineering is based extensively on judgement and opinion, it is far less exact than other design disciplines. This situation has resulted in wholly unwarranted claims being lodged against geotechnical consultants. To help prevent this problem, geotechnical engineers have developed model clauses for use in written transmittals. These are *not* exculpatory clauses designed to foist geotechnical engineers' responsibilities begin and end. Their use helps all parties involved reorganize their individual responsibilities and take appropriate action. Some of these definitive clauses are likely to appear in your geotechnical engineering report, and you are encouraged to read them closely. ARM will be pleased to give full and frank answers to your questions.

OTHER STEPS YOU CAN TAKE TO REDUCE RISK

Consulting with this office to discuss other techniques which can be employed to mitigate risk.

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3102. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3282
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from digital orthophotography provided by the New York Office of Cyber Security & Critical Infrastructure Coordination. This information was provided as 12-inch and 24-inch resolution natural color orthoimagery from photography dated April 2006.

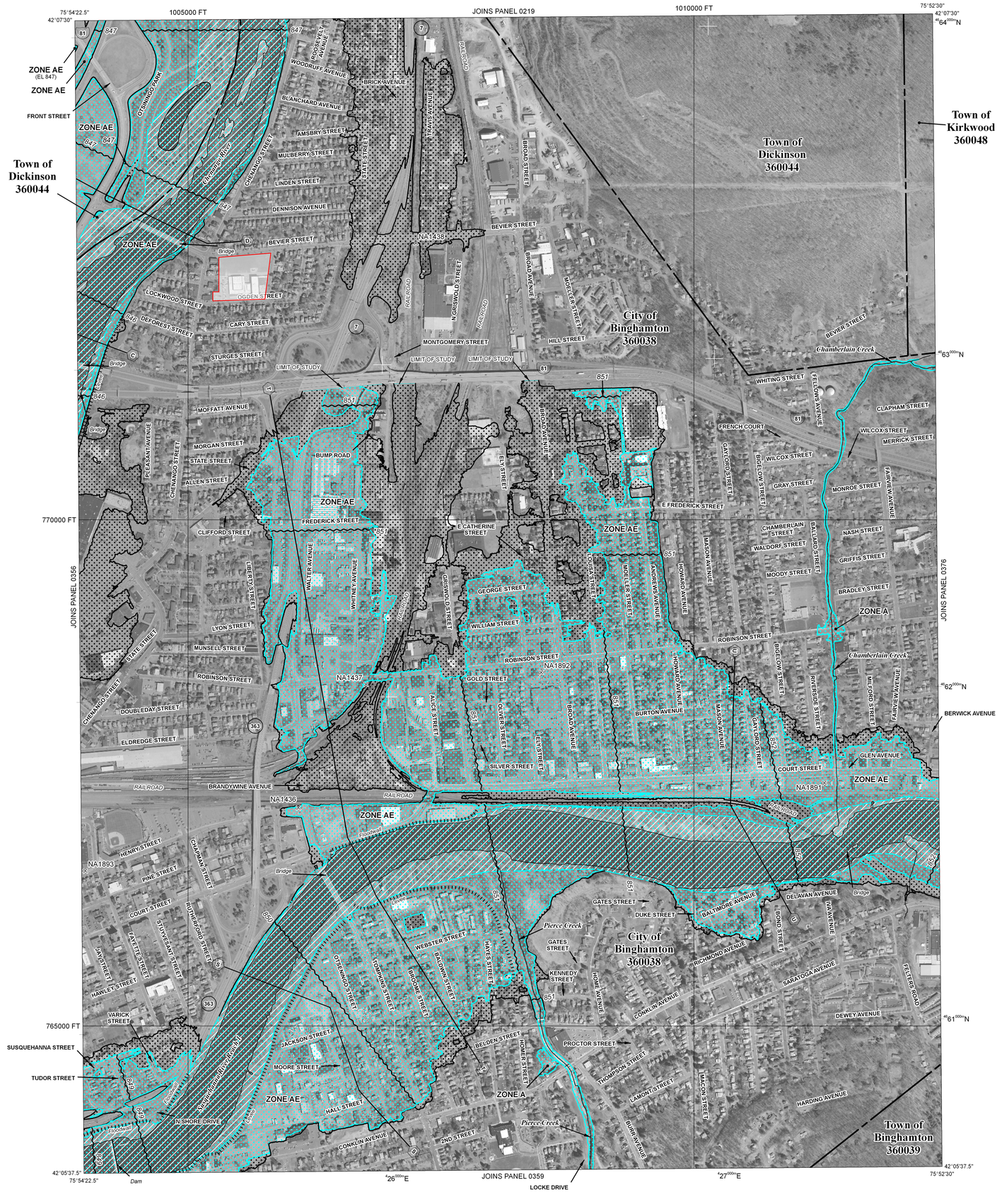
Based on updated topographic information, this map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the road to floodplain relationships for unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary

0.2% annual chance floodplain boundary

Floodway boundary

Zone D boundary

CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

Limit of Moderate Wave Action

513 — Base Flood Elevation line and value; elevation in feet*

(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A — Cross section line

23 — 23 — Transect line

87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

4376000mN — 1000-meter Universal Transverse Mercator grid ticks, zone 18

600000 FT — 5000-foot grid values: New York State Plane coordinate system, Central zone (FIPSZONE 3102), Transverse Mercator projection

DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)

M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0357F

FIRM

FLOOD INSURANCE RATE MAP

for BROOME COUNTY, NEW YORK
(ALL JURISDICTIONS)

CONTAINS:

COMMUNITY	NUMBER
BINGHAMTON, CITY OF	360038
BINGHAMTON, TOWN OF	360039
DICKINSON, TOWN OF	360044
KIRKWOOD, TOWN OF	360048

PRELIMINARY
FEBRUARY 5, 2010

PANEL 357 OF 651
MAP SUFFIX: F
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
36007C0357F

MAP EFFECTIVE

Federal Emergency Management Agency

ROOF DIAGNOSTIC SURVEY FOR BINGHAMTON CITY SCHOOL DISTRICT

THEODORE ROOSEVELT ELEMENTARY SCHOOL

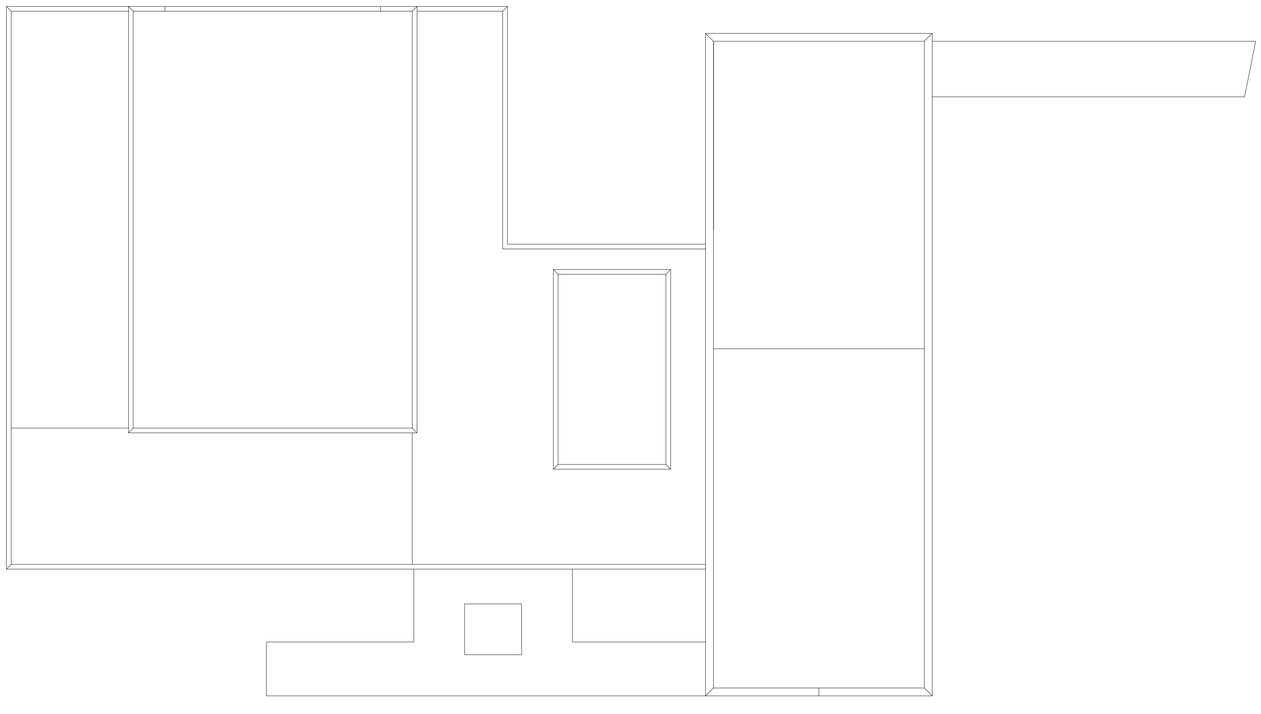
9 OGDEN STREET BINGHAMTON, NEW YORK 13901

THIS IS A WTI BRANDED REPORT. THE TEMPLATE AND OR
REPORT CAN NOT BE REPRODUCED IN ANY MANNER.

DRAWINGS

TITLE PAGE
SHEET A MOISTURE SURVEY
SHEET B THERMOGRAMS & PHOTOS
SHEET C CONSTRUCTION DATA & ROOF SECTION



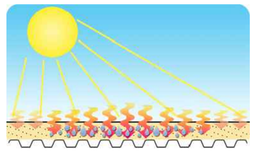


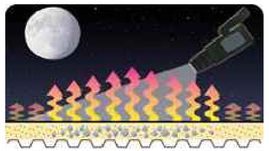
N

ROOF PLAN

SCALE: NO SCALE

How An Infrared Survey Works:

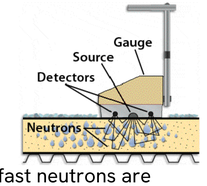




Wet roof insulation absorbs more solar energy from the sun during the day than dry insulation. As the sun sets, the nighttime cools the roof surface. Wet insulation retains more solar energy than dry insulation. These temperature differences are detected by the infrared camera. All full service scans are performed using a mid-wave IR camera with a 2.5 - 5.6 spectral range. Suspected wet insulation is verified through core cuts and/or a Roof Moisture Meter. Core cuts are taken to establish acceptable levels of moisture. Confirmed wet areas are marked out on the roof surface with paint.

How A Moisture Meter Works:

During the daytime, readings are taken and recorded in random locations and at wet areas found by the infrared camera.

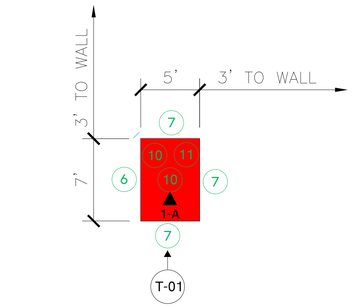


Fast neutrons are emitted from the source in the Roof Moisture Meter into the roof system. The presence of hydrogen in the roof system slows the neutrons. These slowed neutrons as well as the fast neutrons are detected by the Roof Moisture Meter. A reading is displayed in the digital readout and gets recorded. Core cuts are taken to determine a baseline for dry roof materials. Wet areas of insulation are marked on the roof surface with paint.

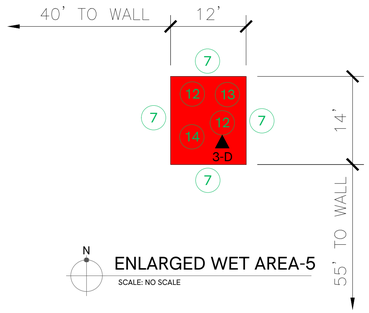
TREMCO
Construction Products Group

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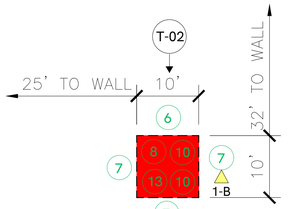
TREMCO CONSTRUCTION PRODUCTS GROUP INFRARED INSPECTIONS ARE PERFORMED BY CERTIFIED (EXPERIENCED) INFRARED THERMOGRAPHERS UTILIZING STATE-OF-THE-ART EQUIPMENT. ALL WORK CONFORMS WITH CURRENT INDUSTRY BEST PRACTICES, AND IS PERFORMED IN ACCORDANCE WITH STANDARDS PUBLISHED BY ASTM INTERNATIONAL AND INFRASPECTION INSTITUTE.



ENLARGED WET AREA-1
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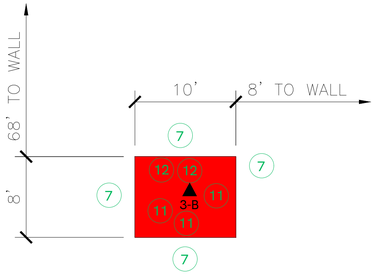


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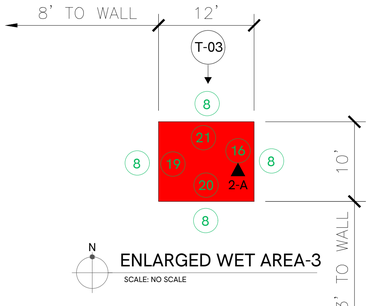


T-02 SUSPECTED WET. HIGH NUKE NUMBERS IN AREA. NO CUT PURFORMED DUE TO DRAIN. DRY CUTS MADE OUTSIDE AREA.

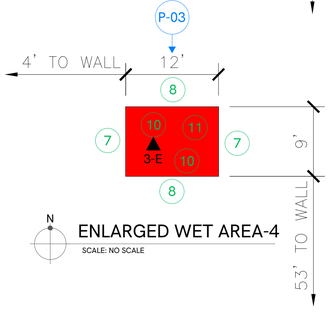
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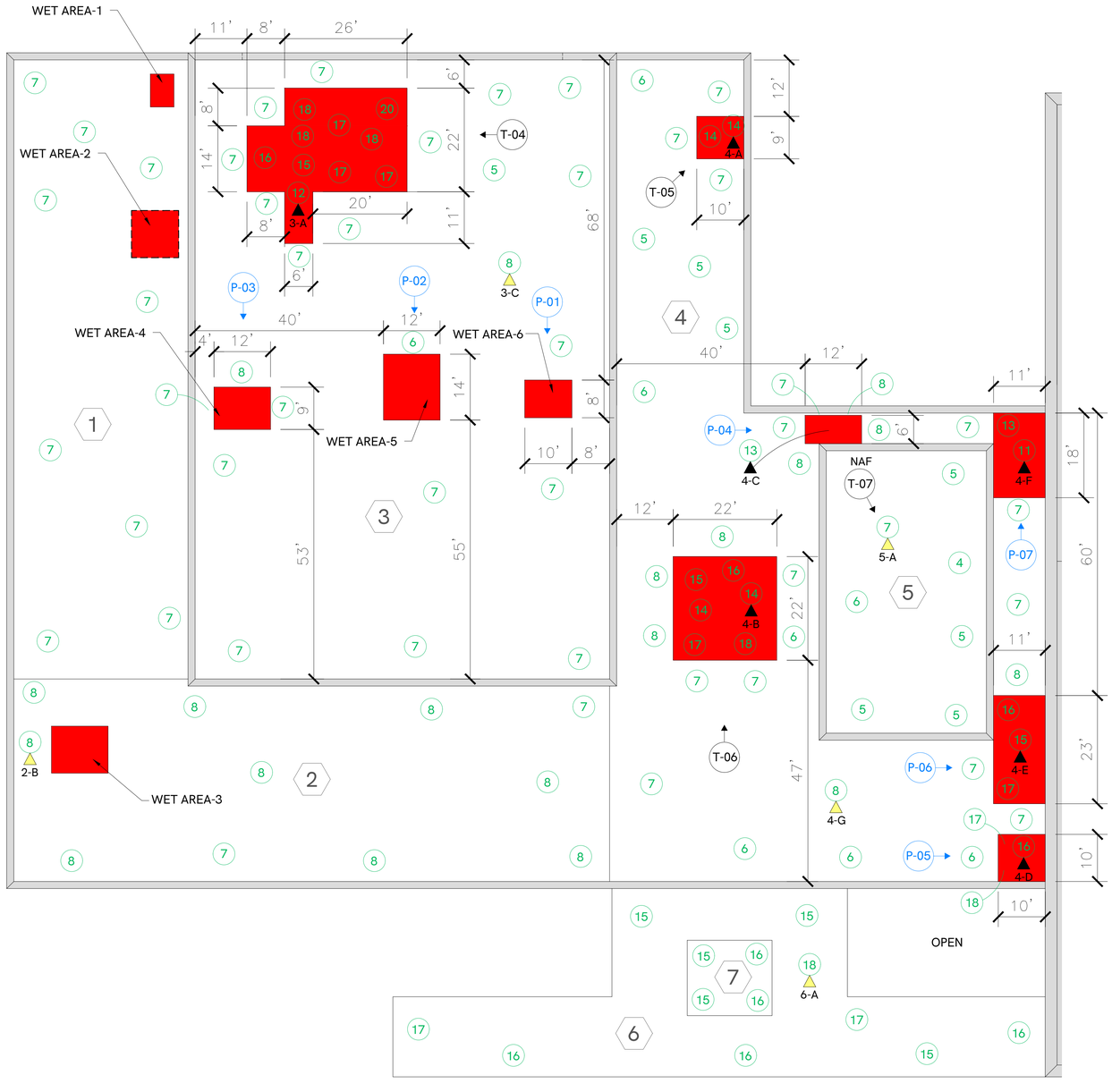
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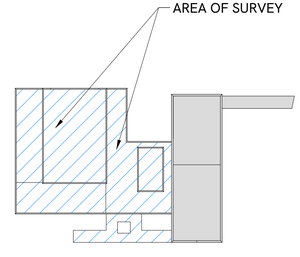


ENLARGED WET AREA-3
SCALE: NO SCALE



ENLARGED WET AREA-4
SCALE: NO SCALE





KEY PLAN
SCALE: NO SCALE

ROOF PLAN
SCALE: NO SCALE

STANDARD KEY OF SYMBOLS

- # ROOF SECTION
- △ DRY CORE
- ▲ WET CORE
- P-# PHOTO
- T-# THERMOGRAM
- N.A.F. (NO ANOMALIES FOUND)
- WET INSULATION
- R.I.M. (RANDOM INTERMITTENT MOISTURE)
- N.I.C.
- MOISTURE GRID
- TRACE CORE
- # MOISTURE READING

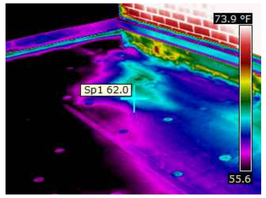
TREMCO Construction Products Group

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BINGHAMTON CITY SCHOOL DISTRICT
THEODORE ROOSEVELT ELEMENTARY SCHOOL
9 OGDEN STREET
BINGHAMTON, NEW YORK 13901

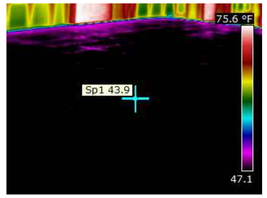
DIAGNOSTIC TECHNICIAN: T. PRITCHARD	PROJECT NO.: 9893386
DRAWN BY: R.L.	SHEET NO.: A
DATE: 10/03/2025	

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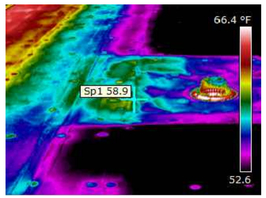
Thermogram T-01





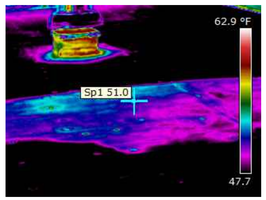
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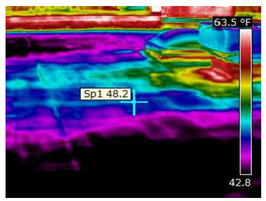
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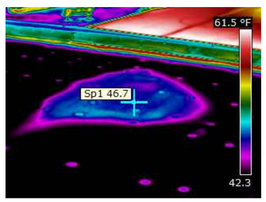
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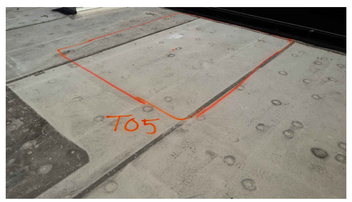


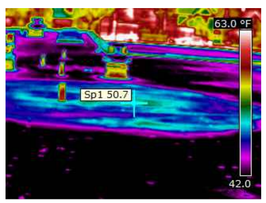
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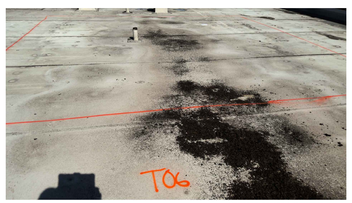


Thermogram T-05



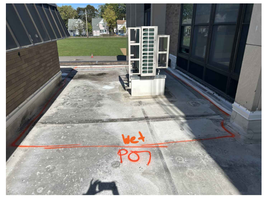


Thermogram T-06





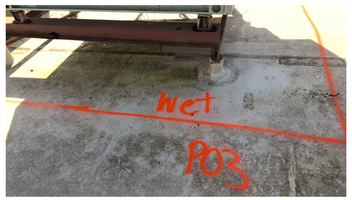
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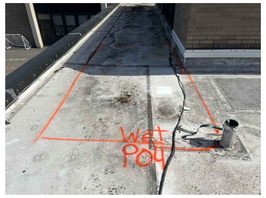
Photograph P-07



Photograph P-02



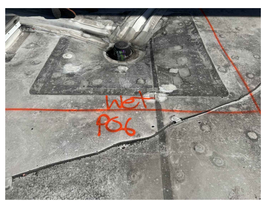
Photograph P-03



Photograph P-04



Photograph P-05



Photograph P-06

STANDARD KEY OF SYMBOLS

- # ROOF SECTION
- △ DRY CORE
- ▲ WET CORE
- P-# PHOTO
- T-# THERMOGRAM
- N.A.F. (NO ANOMALIES FOUND)
- WET INSULATION
- R.I.M. (RANDOM INTERMITTENT MOISTURE)
- N.I.C.
- MOISTURE GRID
- TRACE CORE
- # MOISTURE READING

TREMCO Construction Products Group

wti

BINGHAMTON CITY SCHOOL DISTRICT
THEODORE ROOSEVELT ELEMENTARY SCHOOL
9 OGDEN STREET
BINGHAMTON, NEW YORK 13901

DIAGNOSTIC TECHNICIAN: T. PRITCHARD	PROJECT NO.: 9893386
DRAWN BY: R.L.	SHEET NO.: B
DATE: 10/03/2025	

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CONSTRUCTION DATA

ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
1	LOW	1-A	10	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/2" DENSDECK
				50	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
1	LOW	1-B	7	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				0	1/2" DENSDECK
				0	2" POLYISOCYANURATE INSULATION
				0	1-1/2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
2	LOW	2-A	16	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/2" DENSDECK
				100	2" POLYISOCYANURATE INSULATION
				100	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
2	LOW	2-B	8	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				0	1/2" DENSDECK
				0	2" POLYISOCYANURATE INSULATION
				0	1-1/2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
3	LOW	3-A	12	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				80	1/4" DENSDECK
				100	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
3	LOW	3-B	12	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/4" DENSDECK
				25	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
3	LOW	3-C	8	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				0	1/4" DENSDECK
				0	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
3	LOW	3-D	12	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/4" DENSDECK
				40	2" POLYISOCYANURATE INSULATION
				10	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
3	LOW	3-E	10	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/4" DENSDECK
				10	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
4	LOW	4-A	14	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/4" DENSDECK
				100	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
4	LOW	4-B	14	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/4" DENSDECK
				100	2" POLYISOCYANURATE INSULATION
				15	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
4	LOW	4-C	13	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/4" DENSDECK
				80	2" POLYISOCYANURATE INSULATION
				20	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK

NOTE: THE MOISTURE PERCENTAGES ARE INTENDED TO BE USED AS A QUALITATIVE MEASUREMENT RATHER THAN AN EXACT READING.

ROOF SECTION	EMISSIVITY	CORE CUT NUMBER	NUC MOISTURE READING	MOISTURE PROBE READING	ROOF CONSTRUCTION
4	LOW	4-D	16	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/4" DENSDECK
				100	2" POLYISOCYANURATE INSULATION
				30	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
4	LOW	4-E	15	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				100	1/2" DENSDECK
				100	1-1/2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
4	LOW	4-F	11	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				80	1/2" DENSDECK
				15	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
4	LOW	4-G	8	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				0	1/2" DENSDECK
				0	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
5	LOW	5-A	7	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				0	1/2" DENSDECK
				0	2" POLYISOCYANURATE INSULATION
				0	2" POLYISOCYANURATE INSULATION
				N/A	METAL DECK
ROOF SECTION	**EMISSIVITY**	**CORE CUT NUMBER**	**NUC MOISTURE READING**	**MOISTURE PROBE READING**	**ROOF CONSTRUCTION**
6	LOW	6-A	18	N/A	SINGLE-PLY (WHITE TPO) ROOF SYSTEM
				0	1/2" DENSDECK
				0	VAPOR BARRIER
				0	CONCRETE DECK

NOTE: THE MOISTURE PERCENTAGES ARE INTENDED TO BE USED AS A QUALITATIVE MEASUREMENT RATHER THAN AN EXACT READING.

ROOF SECTION DATA

ROOF SECTION	SIZE (S.F.)	WET (S.F.)	% WET
1	4,865	135	2.77%
2	5,305	120	2.26%
3	11,572	1,106	9.56%
4	8,810	1,197	13.59%
5	2,040	0	0.00%
6	3,216	0	0.00%
7	288	0	0.00%
TOTALS	**36,096**	**2,558**	**7.09%**

STANDARD KEY OF SYMBOLS

- (#) ROOF SECTION
- (△) DRY CORE
- (▲) WET CORE
- (P-#) PHOTO
- (T-#) THERMOGRAM
- N.A.F. (NO ANOMALIES FOUND)
- WET INSULATION
- R.I.M. (RANDOM INTERMITTENT MOISTURE)
- N.I.C.
- MOISTURE GRID
- TRACE CORE
- (#) MOISTURE READING

TREMCO Construction Products Group

wti

BINGHAMTON CITY SCHOOL DISTRICT
THEODORE ROOSEVELT ELEMENTARY SCHOOL
9 OGDEN STREET
BINGHAMTON, NEW YORK 13901

DIAGNOSTIC TECHNICIAN: T. PRITCHARD	PROJECT NO.: 9893386
DRAWN BY: R.L.	SHEET NO.: C
DATE: 10/03/2025	

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ATLANTIC TESTING LABORATORIES
A PHENNA GROUP COMPANY

Binghamton
126 Park Avenue
Suite 1A
Binghamton, NY 13903
607-773-1812 (T)
atlantictesting.com

March 6, 2026

CS Arch, P.C.
40 Beaver Street
Albany, New York 12207

Attn: Gregory Klokiw, AIA, LEED AP

Re: Limited Hazardous Materials Survey
2024 Capital Improvement Project
Theodore Roosevelt Elementary School
Binghamton City School District
Binghamton, New York
ATL Report No. ET5402CE-01-03-26

Enclosed is a copy of the Limited Hazardous Materials Survey report prepared for the referenced site. This project was completed in accordance with the scope of work outlined in our contract (ATL No. ET5998-700X-11-25), dated November 6, 2025, and authorized by Greg Klokiw on November 14, 2025.

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Dylan Putnam
Environmental Building Inspector

DMP/JDG/dp

LIMITED HAZARDOUS MATERIALS SURVEY

2024 CAPITAL IMPROVEMENT PROJECT
THEODORE ROOSEVELT ELEMENTARY SCHOOL
BINGHAMTON CITY SCHOOL DISTRICT
BINGHAMTON, NEW YORK

PREPARED BY:

Atlantic Testing Laboratories, Limited
126 Park Avenue
Suite 1A
Binghamton, New York 13903

PREPARED FOR:

CS Arch, P.C.
40 Beaver Street
Albany, New York 12207

ATL REPORT NO. ET5402CE-01-03-26

March 6, 2026

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1.0 INTRODUCTION

1.1 Purpose

Atlantic Testing Laboratories, Limited (ATL) was retained by CS Arch, P.C., to perform a limited hazardous materials survey of designated areas within the Theodore Roosevelt Elementary School. The limited survey was performed from November 24, 2025 through January 7, 2026. The purpose of the limited hazardous materials survey was to identify asbestos-containing materials (ACM), lead-containing paint/other materials, and polychlorinated biphenyls (PCB)-containing caulk/sealant that are present on exposed surfaces within the subject areas, and may have a significant impact on planned renovation/demolition activities. The limited hazardous materials survey procedures and report content that follow are in general compliance with applicable local, state, and federal rules and regulations.

1.2 Project Team and Certifications

Members of the ATL project team included:

- Andrew Amell, Group Leader (Project Manager)
- Dylan Putnam, Environmental Building Inspector
- Nate Mastenbrook, Environmental Building Inspector
- Patrick Dudman, Technician
- Levi Smith, Technician

Certifications of ATL's field survey team members and a copy of applicable company licenses maintained by ATL are included in Appendix A.

Laboratory analyses conducted for this survey were performed by the following New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratories:

- AmeriSci: Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM) analysis under ELAP No. 11480. AmeriSci is also accredited by the National Institute of Standards and Technology (NIST), under the National Voluntary Laboratory Accreditation Program (NVLAP) Lab code 200546-0
- Pace Analytical: PCB analysis under ELAP No. (11148)

Applicable ELAP and NVLAP certificates for laboratory analysis approval are included in Appendix A.

2.0 SCOPE OF WORK

2.1 Project Description

The project site is located at 9 Ogden Street, Binghamton, Broome County, New York.

The intent of this limited survey was to identify suspect ACM, lead-containing materials, and PCB-containing caulk/sealant that are located within designated areas of Theodore Roosevelt Elementary School. Specific areas surveyed included the following:

- 3 Story Section Demolition
- Single Story Section Renovation
- Roof Skylight and Flashing Replacement

The services performed on this project are not intended to represent a complete survey of the building. The survey was conducted for designated areas and components, as directed by Jaime Berkely-Hatjen, representing CS Arch, P.C.

The subject areas were occupied and operational at the time of the sampling event.

2.2 Inaccessible Areas

The extent of inaccessible areas is dependent upon the building type and condition, construction materials, history of renovations and repairs, and project scope. This limited hazardous materials survey was performed to identify ACM, lead-containing materials, and PCB-containing caulk/sealant within the designated areas; however; concealed materials may exist in areas that were not readily exposed to view. Wall, ceiling, floor, roofing, and/or other component systems may contain concealed suspect hazardous materials. If any suspect hazardous materials are encountered during demolition and/or renovation activities, the activities disturbing the suspect hazardous materials must stop and the material must be sampled and laboratory analyzed or otherwise managed in accordance with applicable regulations.

Description of Inaccessible Area(s)	Reason for Inaccessibility
Pipe Chase Tunnels	Locked Doors/Sealed off with Poly

2.3 Document Review

Documents provided to ATL for review and use during the limited hazardous materials survey included:

- CS Arch, DD Submission, Volume 1 of 2 Drawing Set Titled “Binghamton City School District, Theodore Roosecelt Elementary School, 2024 Capital Project” dated September 5, 2025.
- CS Arch, DD Submission, Volume 2 of 2 Drawing Set Titled “Binghamton City School District, Theodore Roosecelt Elementary School, 2024 Capital Project” dated September 5, 2025.
- Document Titled “SD-03 – Scope of Work Narrative”, Pages 1 through 30, Undated.
- Energy and Environment, LLC Document Titled “Binghamton City School District, Theodore Roosecelt Elementary School, Asbestos Abatement Cost Estimate Review & Development”, dated May 13, 2021.
- 2010 Ahera Triennial Reinspection Report Dated January 2011
- Exterior Soffit Asbestos Review By Hawk Engineering Dated April 2011
- Evaluation Study For Asbestos Materials Dated November 1982

2.4 Limitations

This report has been prepared in accordance with the scope of work outlined in ATL’s contract (ATL No. ET5998-700X-11-25, dated November 6, 2025, and should not be used as abatement specifications or design documents. The report should be read in its entirety to understand the context of ATL’s methodologies, findings, conclusions, recommendations, and limitations of the scope of services for the referenced project. This report is based on the field observations made by representatives of ATL and the information provided by representatives of CS Arch, P.C.

The findings, conclusions, and recommendations are relevant to the dates the limited survey was performed and may not represent conditions at substantially later dates. Any changes to documents, specifications, and drawings provided to ATL for reference in completing the limited survey or modifications to the scope and/or scale of the project made subsequent to this survey should be evaluated to determine if additional assessment is necessary.

Quantities and locations of sampled materials are approximate and must be verified by others prior to scoping and/or engaging work activities that may affect these materials. Variations in reported quantities and locations for sampled materials, in addition to the discovery of suspect materials not identified in this report, are possible due to the presence of inaccessible areas, as described in Section 2.2 of this report.

3.0 ASBESTOS

3.1 Regulatory Information

In New York State, there are multiple regulatory agencies that have jurisdiction over ACM in buildings. Asbestos survey requirements are primarily regulated or specified by New York State Department of Labor (NYSDOL), NYSDOH, Occupational Safety and Health Administration (OSHA), and United States Environmental Protection Agency (EPA).

NYSDOL established Part 56 of The Official Compilation of Codes, Rules, and Regulations (cited as 12 NYCRR, Part 56) to address the proper identification, handling, removal, and disposal of ACM in buildings. Asbestos survey requirements are specified in Subpart 56-5.1 “Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling and Repair.” NYSDOL also works in conjunction with NYSDOH to establish and maintain asbestos safety training program requirements, and enforce personnel certifications and licensing protocol for asbestos contractors.

OSHA defines requirements for asbestos surveys and identification of ACM and presumed asbestos-containing materials (PACM) in 29 CFR 1926.1101 (k) “Communication of Hazards.” Under this regulation, OSHA makes reference to conducting inspections according to 1926.1101 (k)(5)(ii)(B) and 1926.1101 (k)(5)(iii) or pursuant to the requirements of the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E “Asbestos-Containing Materials in Schools.” AHERA is regulated by EPA, and applies to primary and secondary schools only; however, the procedures mandated under AHERA are generally considered the industry standards for surveys, as these are typically the most stringent.

EPA, NYSDOL, and other regulatory agencies define ACM as any material containing greater than 1% of asbestos. Materials containing trace asbestos (i.e., less than 1%) are not considered ACM; however, OSHA recognizes materials that contain trace amounts of asbestos, and requires these materials be handled in accordance with their standard interpretation letter titled “Requirements for demolition operations involving material containing <1% asbestos “, dated August 13, 1999.

3.2 Methodology and Sampling

A visual examination of designated areas of the subject building was conducted by an Asbestos Building Inspector to identify suspect ACM. Functional spaces were identified to assist while locating suspect ACM. A functional space is defined as a spatially distinct area within a building that contains identifiable populations of building occupants. A functional space may include a room, a group of rooms, or other defined area, and several functional spaces may comprise a single homogeneous sampling area. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance. Each identified functional space was visually examined to determine the locations of suspect ACM. These materials were then delineated into homogeneous sampling areas.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed and the suspect ACM samples were submitted to AmeriSci New York (AmeriSci), located in New York, New York. The samples were laboratory analyzed by PLM and TEM methodologies, as applicable.

Information and details pertaining to the asbestos survey are provided in the following:

- Appendix B: Sample Location Plans with approximate sample locations
- Appendix C: Laboratory reports and associated sample custody documentation
- Appendix D: Table D-I: Summary of the identified suspect asbestos-containing materials and associated analytical results
- Appendix F: Photographs
- Appendix G: Previous Survey Reports

4.0 LEAD-CONTAINING MATERIALS

4.1 Regulatory Information

Although New York State has established Title X, Part 67 of The Official Compilation of Codes, Rules, and Regulations (cited as NYCRR Title X, Part 67) for "Lead Poisoning Prevention and Control," lead-containing materials inspections and risk assessments are generally subject to the requirements of federal regulations. The United States Department of Housing and Urban Development (HUD), EPA, and OSHA are the primary federal regulatory agencies responsible for the establishment and enforcement of such regulations. On a state level, NYSDOH does require laboratories to be certified to perform lead analysis under ELAP.

HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" include details pertaining to sampling and analysis of suspect lead-based paint (LBP), in addition to the identification and control of LBP hazards. HUD guidelines pertain to federally owned or assisted housing; however, these are commonly referenced and made mandatory by other regulatory agencies. EPA requirements for LBP activities, specified in 40 CFR Part 745, apply to targeted housing and child-occupied facilities, and are similar to HUD guideline requirements. HUD identifies LBP as "any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 mg/kg or 0.5% by weight) or more of lead" (HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing).

The OSHA Construction Standard for Lead (29 CFR 1926.62) applies to employees of an employer who may or will be exposed to occupational levels of lead. OSHA requires employees to maintain, at a minimum, awareness, respiratory protection, and hazard communication training. The OSHA lead-in-construction standard (29 CFR 1926.62) requires an exposure assessment where any detectable levels of lead, or materials containing lead, are present.

4.2 Methodology and Sampling

A visual examination of designated areas of the subject building was conducted by a Lead Inspector to identify potential lead-containing material. Functional spaces were identified as described in Section 3.2 of this report, to assist locating suspect lead-containing material. Potential lead-containing material surfaces were classified into homogeneous areas. A homogeneous area is defined as similar paint color schemes, building components, and substrates the paint is applied on.

Homogeneous areas with paint, varnish, stain, or other applied coating; and ceramic and porcelain building materials and fixtures were tested using a Viken Pb200i XRF Analyzer. This equipment provides instantaneous measurements for lead concentration in mg/cm^2, and displays readings that are positive or negative indications of lead-containing material. Calibration checks for the XRF equipment were performed in accordance with the manufacturer's recommendations.

Information and details pertaining to the lead survey are provided in the following:

- Appendix B: Sample Location Plans with approximate sample locations

- Appendix E: Table E-I: Painted surfaces that were tested by ATL with XRF, and determined to be LBP when compared to HUD criteria
- Appendix E: Table E-II: Painted surfaces that were tested by ATL with XRF, and determined to contain a detectable concentration of lead, but not classified as LBP when compared to HUD criteria
- Appendix E: Table E-III: Painted surfaces that were tested by ATL with XRF and determined not to contain lead at a concentration above the method detection limits
- Appendix E: Table E-IV: Summary of XRF calibration results
- Appendix F: Photographs

5.0 POLYCHLORINATED BIPHENYLS

5.1 Regulatory Information

PCB are primarily regulated by the EPA. The EPA has issued several documents and enforces federal mandated laws and regulations governing the usage, management, and disposal of PCB-containing materials. State regulatory agencies have also enacted laws and regulations concerning PCB materials, many of which are consistent with the regulations set forth by the EPA. In accordance with the regulations and guidelines presented in 40 CFR Parts 750 and 761 "Disposal of Polychlorinated Biphenyls; Final Rule," PCB wastes are generally regulated for disposal under the Toxic Substances Control Act (TSCA) at concentrations ≥ 50 ppm. Per New York State Department of Environmental Conservation (NYSDEC) regulations, material containing PCB at a concentration ≥ 50 ppm is regulated hazardous waste.

5.2 Methodology and Sampling

A visual examination of the subject areas was conducted to identify suspect PCB-containing caulk/sealant. The identified materials were classified into homogeneous sampling areas. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed, and the suspect PCB-containing caulk/sealant samples were submitted to Pace Analytical. The samples were laboratory analyzed for PCB, in accordance with EPA Method 8082.

PCB-containing caulk/sealant is regulated under the TSCA as an "unauthorized use," and is considered a regulated hazardous material at concentrations ≥ 50 ppm.

Information and details pertaining to the sampling and analysis for suspect PCB-containing caulk/sealant are provided in the following:

- Appendix B: Sample Location Plans with approximate sample locations
- Appendix C: Laboratory reports and associated sample custody documentation
- Appendix D: Table D-II: Summary of the identified suspect PCB-containing caulk/sealant and associated analytical results
- Appendix F: Selected Photographs

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are prepared from ATL's understanding that designated areas of the Theodore Roosevelt Elementary School may be subject to renovation/demolition projects. Should the management of the building areas/structure change, it is recommended that the findings be revisited to reflect appropriate operations and management practices for hazardous materials-containing items.

6.1 General

1. Concealed regulated asbestos and/or hazardous materials may exist at the site that could be encountered during future building renovation/demolition activities. Wall, ceiling, floor, roofing, and/or other component systems may contain concealed suspect asbestos and/or hazardous materials. If any suspect asbestos and/or hazardous materials or asbestos and/or hazardous materials-containing items are encountered during demolition and/or renovation activities, the activities disturbing the suspect material must stop and the material must be sampled and laboratory analyzed or otherwise managed in accordance with applicable regulations.

6.2 Asbestos-Containing Materials

1. The materials listed in bold in Table D-I of Appendix D were determined or assumed to be ACM. The referenced table also shows materials that contain trace concentrations of asbestos and are regulated under OSHA.
2. **Material(s) was/were determined to be an incidental disturbance(s) and will require completion of an incidental disturbance assessment prior to any abatement and/or renovation activities.**
3. Subpart 56-5(h) of 12 NYCRR Part 56 requires that no demolition, renovation, remodeling, or repair work be commenced by any owner or the owner's agent prior to the completion of asbestos abatement. Asbestos abatement must be performed by an asbestos abatement contractor that maintains a current asbestos handling license, and employs NYSDOL certified asbestos handlers and supervisors. It is recommended that a 12 NYCRR 56 certified Project Monitor oversee abatement activities.
4. Subpart 56-5.1(g) of 12 NYCRR Part 56 specifies requirements for transmittal of asbestos survey information by the building/structure owner. One copy of the asbestos survey report shall be sent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling, or repair work under applicable State or local laws. If controlled demolition or pre-demolition activities will be performed, one copy of the asbestos survey report shall be submitted to the appropriate Asbestos Control Bureau district office. One copy of the asbestos survey report must be kept on the construction site throughout the duration of the asbestos project and any associated demolition, renovation, remodeling, or repair project.

6.3 Lead-Containing Materials

1. The materials listed in Table E-I of Appendix E were determined to be LBP per HUD criteria. Table E-II of Appendix E lists materials that are not considered LBP per HUD criteria, but contain detectable concentrations of lead. Materials in Tables E-I and E-II are regulated under OSHA (reference 29 CFR 1926.62).
2. Materials with a detectable concentration of lead should be managed in accordance with applicable EPA (40 CFR Part 745) and OSHA (29 CFR 1926.62) requirements prior to or during demolition, renovation, remodeling, or repair work.

6.4 PCB-Containing Materials

1. The caulk/sealant materials listed in bold in Table D-II of Appendix D contained PCB concentrations ≥ 50 ppm, and are therefore considered hazardous materials/hazardous waste

2. The EPA considers caulk/sealant with a PCB concentration ≥ 50 ppm as an “unauthorized use”, and requires that these materials be properly removed and disposed of. Materials that contain PCB concentration < 50 ppm may have specific handling, management, and disposal criteria to limit exposure and environmental impacts.
3. In addition to assessment and sampling of caulk/sealant materials for PCB, the New York State Education Department (NYSED) “Protocol for Addressing PCB in Caulking Materials in School Buildings” provides recommendation for testing of surface soil to assess the potential for residual PCB contamination. Such testing is recommended for buildings constructed or renovated between 1950 and 1977, which have undergone further renovation after 1977. Based on the construction vintage(s) of the building areas scheduled for renovation, and/or the results of the PCB analysis for caulk/sealant samples collected during this project, an assessment of surface soil in the areas of work should be undertaken.

APPENDIX A

LICENSES AND CERTIFICATIONS

WE ARE YOUR DOL

NEW YORK STATE | Department of Labor

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

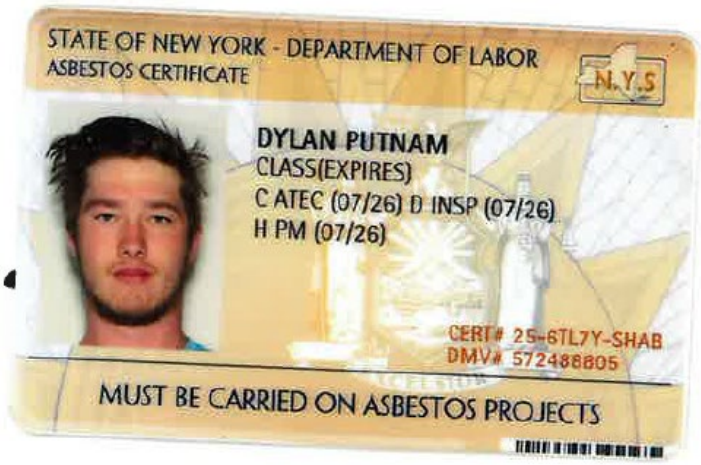
Atlantic Testing Laboratories, Limited
P.O. Box 29, Canton, NY, 13617

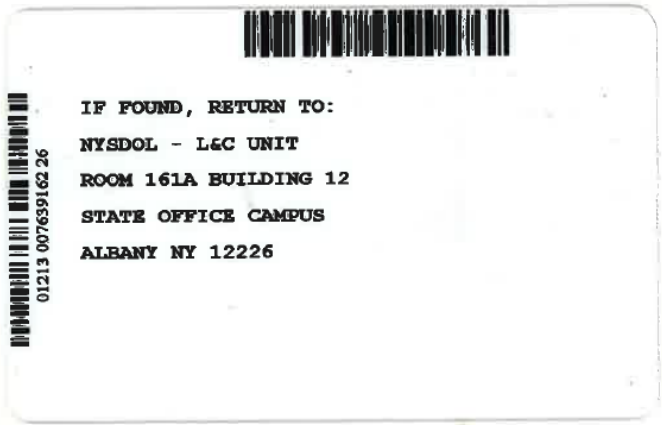
License Number: 29276
License Class: RESTRICTED
Date of Issue: 10/06/2025
Expiration Date: 11/30/2026
Duly Authorized Representative: James Kuhn

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor


STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S
DYLAN PUTNAM
CLASS(EXPIRES)
C ATEC (07/26) D INSP (07/26)
H PM (07/26)
CERT# 2S-6TL7Y-SHAB
DMV# 572488805
MUST BE CARRIED ON ASBESTOS PROJECTS


01213 007639162 26
IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12226

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 978553

I –To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Dylan Putnam	572 488 805	
Signature of Trainee	Telephone Number	Date of Birth[1]
	315-416-8032	07/11/1998

Address 1309 Rowley Jerome Rd Fulton, Ny 13069
(Street or PO Box) (City) (State) (Zip Code)

II—To be completed by Training Sponsor

Provider's Name	Telephone Number
Atlantic Testing Laboratories, Limited	315-336-4578
Address 6431 U.S. Highway 11 Canton, New York	Course Location: ATL Syracuse office 6085 Court Street Road Syracuse, New York 13206
Zip Code 13617	

Course Title: Inspector ☐ Initial ☒ Refresher | *NYS DOH use only* ☐ DOH Equivalency[2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 100/4/15/25

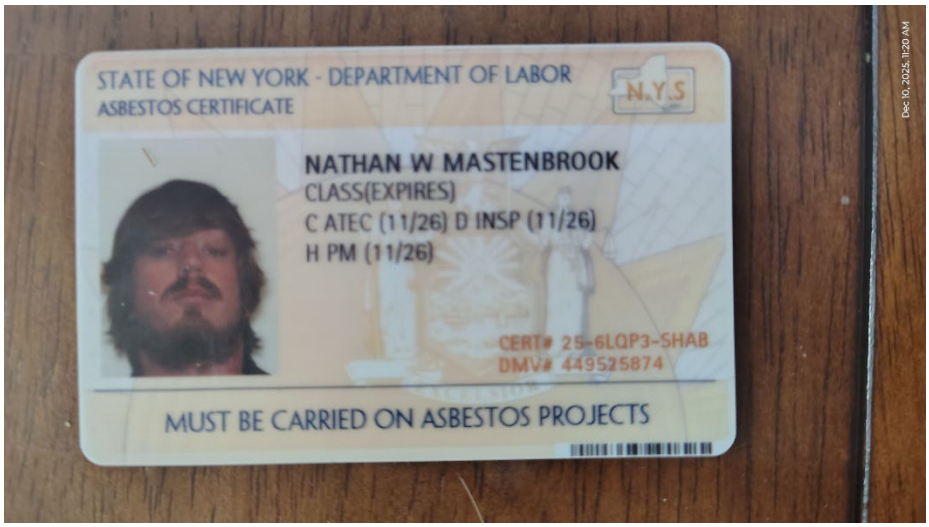
Dates of Training: From: 04/15/25 To: 04/15/25 Expires: 04/15/26

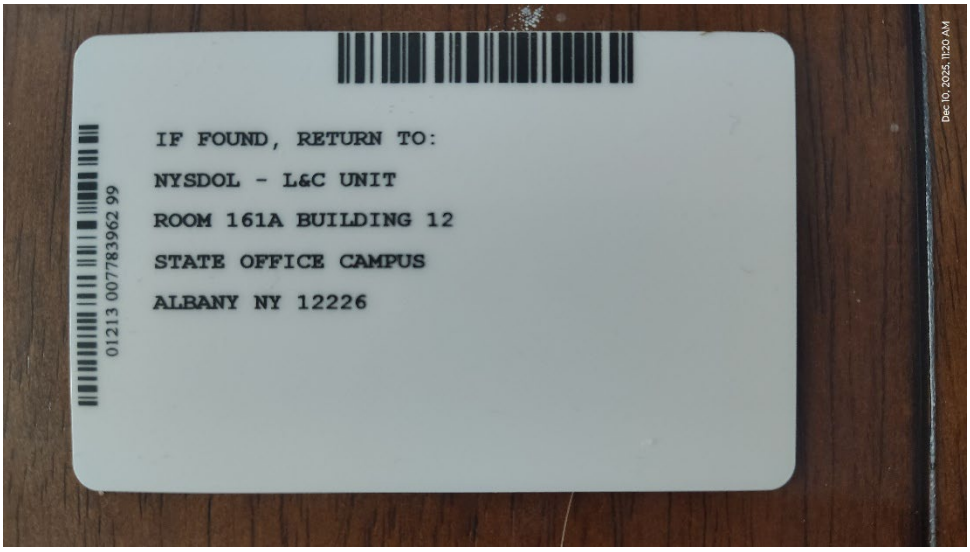
I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Joseph D. Grabowski (Print) _____ (Signature)

STUDENT

DOH-2832 (10/03) [1] Optional Information [2] DOH Equivalency signed by NYS DOH representative only


STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S
NATHAN W MASTENBROOK
CLASS(EXPIRES)
C ATEC (11/26) D INSP (11/26)
H PM (11/26)
CERT# 25-6LQP3-SHAB
DMV# 449525874
MUST BE CARRIED ON ASBESTOS PROJECTS
Dec 10, 2025, 11:20 AM


IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12226
01213 007783962 99
Dec 10, 2025, 11:20 AM

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 987011

I –To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Nathan Mastenbrook	449-525-874	
Signature of Trainee	Telephone Number	Date of Birth[1]
	518 225 5451	11-21-89

Address 419 W Willett St Rome NY 13440
(Street or PO Box) (City) (State) (Zip Code)

II—To be completed by Training Sponsor

Provider's Name	Telephone Number
Atlantic Testing Laboratories, Limited	315-386-4578
Address 6931 U.S. Highway 11 Canton, New York	Course Location: ATL Syracuse office, 6085 Court Street Road Syracuse, New York 13206
Zip Code 13617	

Course Title: Project Monitor ☐ Initial ☒ Refresher

NYS DOH use only ☐ DOH Equivalency [2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 92% / 10/16/25

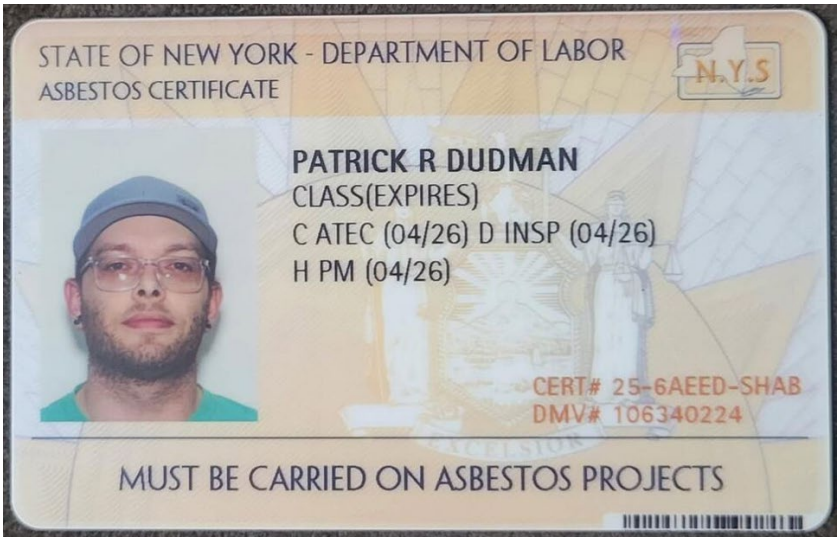
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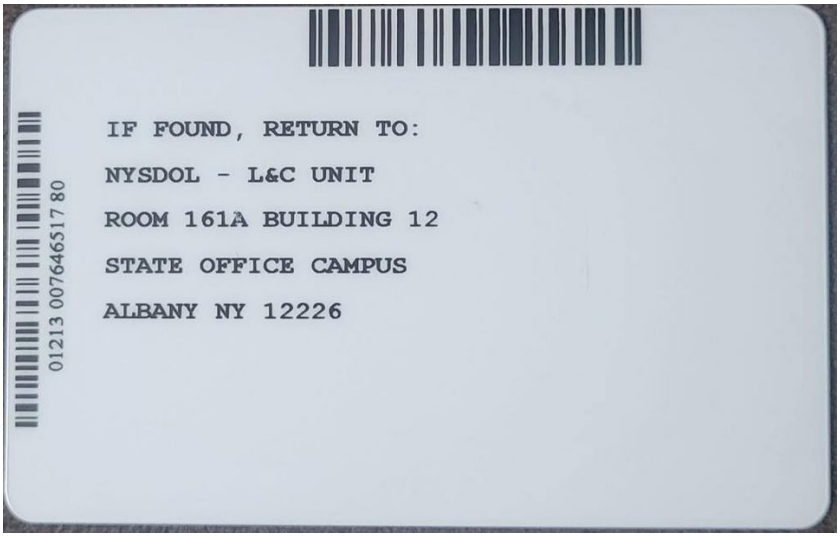
I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Joseph D. Grabowski _____
(Print) (Signature)

DEPT. OF LABOR

DOH-2832 (10/03) [1] Optional Information [2] DOH Equivalency signed by NYS DOH representative only


STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S
PATRICK R DUDMAN
CLASS(EXPIRES)
C ATEC (04/26) D INSP (04/26)
H PM (04/26)
CERT# 25-6AEED-SHAB
DMV# 106340224
MUST BE CARRIED ON ASBESTOS PROJECTS


01213 007646517 80
IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12226

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 987007

I –To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Patrick Dudman	106 340 224	
Signature of Trainee	Telephone Number	Date of Birth[1]
Pat DeDman		APR 29 1986

Address 481 County Route 3 (Street or PO Box) (City) Fulton (State) NY (Zip Code) 13069

II—To be completed by Training Sponsor

Provider's Name	Telephone Number
Atlantic Testing Laboratories, Limited	315-386-4578
Address 6431 U.S. Highway 11 Canton, New York Zip Code 13617	Course Syracuse office Location: 6085 Court Street Road Syracuse, New York 13206

Course Title: Inspector ☐ Initial ☒ Refresher | *NYS DOH use only* ☐ DOH Equivalency[2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 92% / 10/15/25

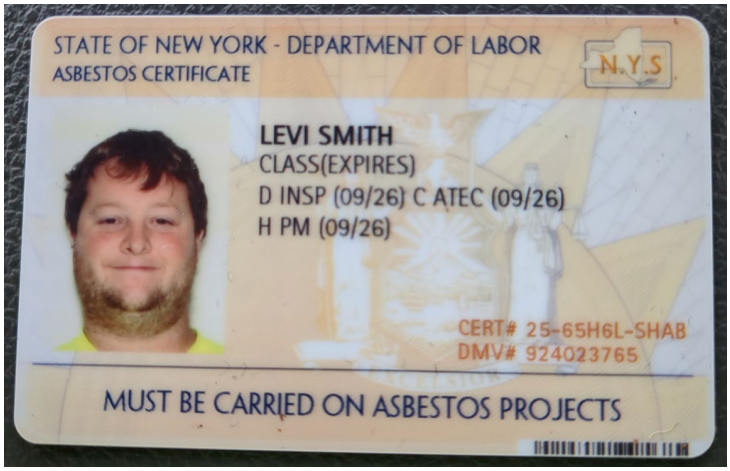
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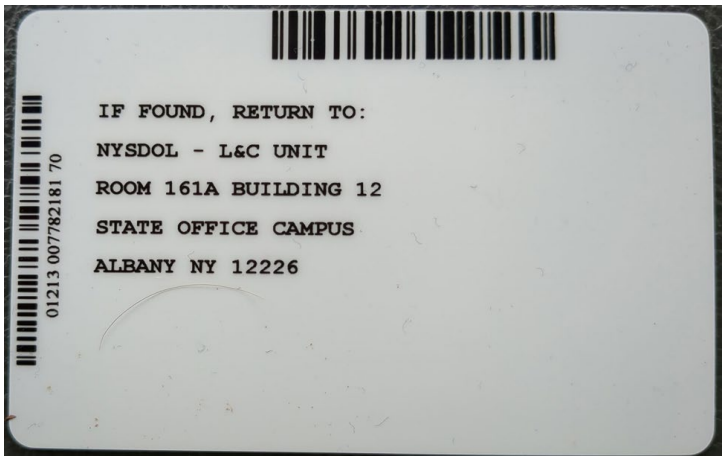
I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Joseph D. Grabowski (Print) _____ (Signature)

DOH-2832 (10/03) [1] Optional Information [2] DOH Equivalency signed by NYS DOH representative only

STUDENT


STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S
LEVI SMITH
CLASS(EXPIRES)
D INSP (09/26) C ATEC (09/26)
H PM (09/26)
CERT# 25-65H6L-SHAB
DMV# 924023765
MUST BE CARRIED ON ASBESTOS PROJECTS


IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12226
01213 007782181 70

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 980995

I –To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Leri Smith	924 023 765	
Signature of Trainee	Telephone Number	Date of Birth[1]
	484-553-9728	09-14-1993

Address 4187 RT 549 Mansfield PA 16933

(Street or PO Box) (City) (State) (Zip Code)

II—To be completed by Training Sponsor

Provider's Name	Telephone Number
EAST Centers of NY	585-435-1881
Address 1555 Lyell Ave, Suite 122 Zip Code Rochester, NY 14606	Course Location: Same

Course Title: Inspector ☑ Initial ☐ Refresher | *NYS DOH use only* ☐ DOH Equivalency [2]

Training Language: ☑ English ☐ Other: _____ Exam Grade/Date: 96% 11/6/25

Dates of Training: From: 11/4/25 To: 11/6/25 Expires: 11/6/26

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Kevin Hutton (Print) _____ (Signature)

STUDENT

DOH-2832 (10/03) [1] Optional Information [2] DOH Equivalency signed by NYS DOH representative only

United States Environmental Protection Agency

This is to certify that

Atlantic Testing Laboratories, Limited

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires April 21, 2028

LBP-8962-4

Certification #

February 12, 2025

Issued On

Marc Edmonds, Chief

Risk Assessment Management Branch 2.

United States Environmental Protection Agency

This is to certify that



Dylan M Putnam

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires August 15, 2026

LBP-I-I250160-1

Certification #

August 01, 2023

Issued On

Ben Conetta, Chief

Chemicals and Multimedia Programs Branch

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2026
Issued April 01, 2025

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KAROL H. LU
AMERICA SCIENCE TEAM NEW YORK, INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 70488

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/, by phone (518) 485-5570 or by email to elap@health.ny.gov.

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200546-0

AmeriSci New York

New York, NY

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

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2025-07-01 through 2026-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2026
Issued April 01, 2025

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. MARCO SOARES
PACE ANALYTICAL SERVICES, LLC - WESTBOROUGH, MA
8 WALKUP DR
WESTBOROUGH, MA 01581-1019

NY Lab Id No: 11148

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Nitroaromatics and Isophorone

2,6-Dinitrotoluene	EPA 8270E
Isophorone	EPA 8270E
Nitrobenzene	EPA 8260D
	EPA 8270E
Pyridine	EPA 8270E

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270E
N-Nitrosodi-n-propylamine	EPA 8270E
N-Nitrosodiphenylamine	EPA 8270E

Organophosphate Pesticides

Parathion ethyl	EPA 8270E

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D
Oil and Grease Total Recoverable	EPA 9071B (Solvent:Hexane)

Phthalate Esters

Benzyl butyl phthalate	EPA 8270E
Bis(2-ethylhexyl) phthalate	EPA 8270E
Diethyl phthalate	EPA 8270E
Dimethyl phthalate	EPA 8270E
Di-n-butyl phthalate	EPA 8270E
Di-n-octyl phthalate	EPA 8270E

Polychlorinated Biphenyls

Aroclor 1016 (PCB-1016)	EPA 8082A
Aroclor 1016 (PCB-1016) in Oil	EPA 8082A

Serial No.: 70382

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/, by phone (518) 485-5570 or by email to elap@health.ny.gov.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2026
Issued April 01, 2025

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8 WALKUP DR
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NY Lab Id No: 11148

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All approved analytes are listed below:

Polychlorinated Biphenyls

Aroclor 1221 (PCB-1221)	EPA 8082A
Aroclor 1221 (PCB-1221) in Oil	EPA 8082A
Aroclor 1232 (PCB-1232)	EPA 8082A
Aroclor 1232 (PCB-1232) in Oil	EPA 8082A
Aroclor 1242 (PCB-1242)	EPA 8082A
Aroclor 1242 (PCB-1242) in Oil	EPA 8082A
Aroclor 1248 (PCB-1248)	EPA 8082A
Aroclor 1248 (PCB-1248) in Oil	EPA 8082A
Aroclor 1254 (PCB-1254)	EPA 8082A
Aroclor 1254 (PCB-1254) in Oil	EPA 8082A
Aroclor 1260 (PCB-1260)	EPA 8082A
Aroclor 1260 (PCB-1260) in Oil	EPA 8082A
Aroclor 1262 (PCB-1262)	EPA 8082A
Aroclor 1262 (PCB-1262) in Oil	EPA 8082A
Aroclor 1268 (PCB-1268)	EPA 8082A
Aroclor 1268 (PCB-1268) in Oil	EPA 8082A

Polynuclear Aromatic Hydrocarbons

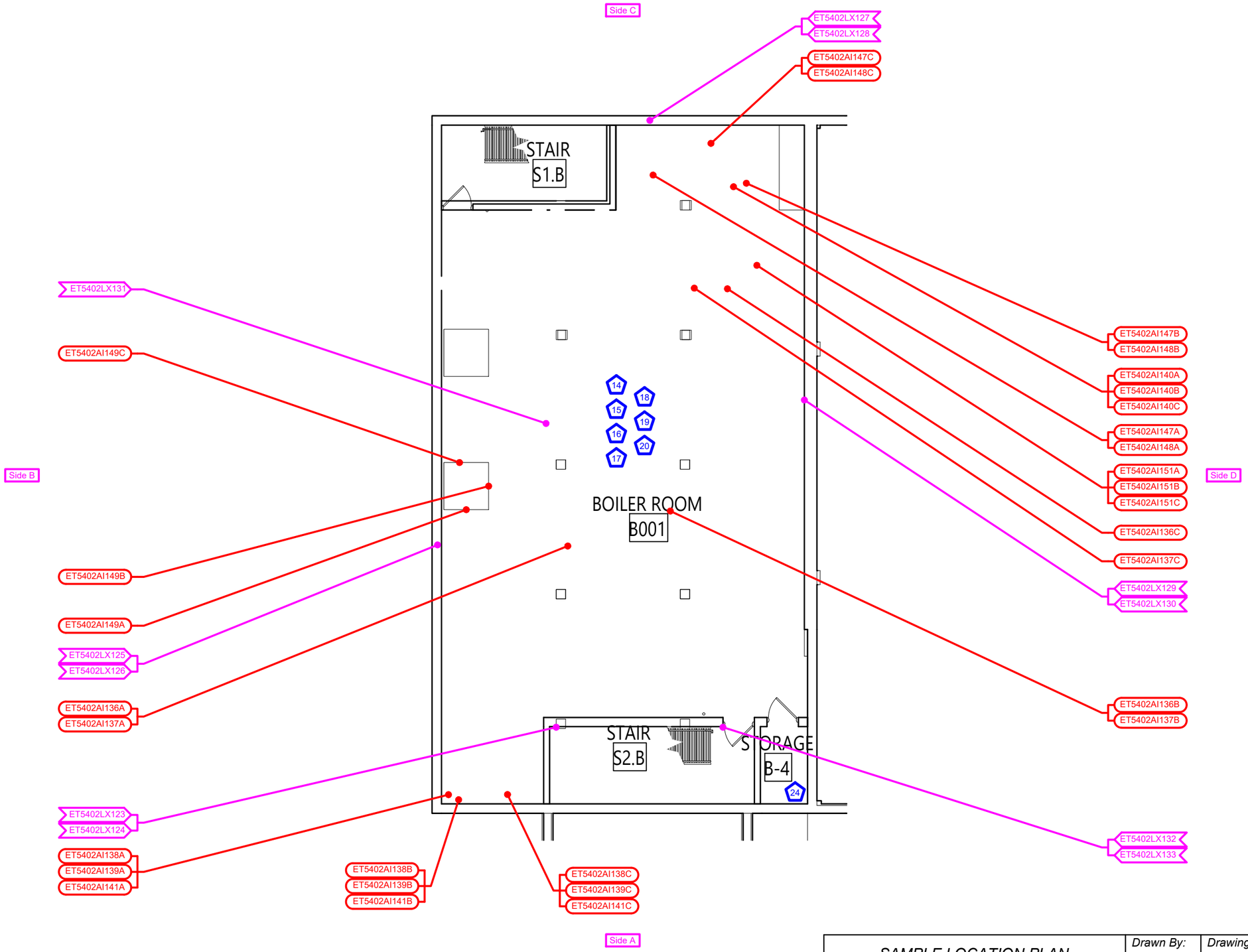
Acenaphthene	EPA 8270E
Acenaphthylene	EPA 8270E
Anthracene	EPA 8270E
Benzo(a)anthracene	EPA 8270E
Benzo(a)pyrene	EPA 8270E
Benzo(b)fluoranthene	EPA 8270E
Benzo(g,h,i)perylene	EPA 8270E
Benzo(k)fluoranthene	EPA 8270E
Chrysene	EPA 8270E
Dibenzo(a,h)anthracene	EPA 8270E

Serial No.: 70382

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/, by phone (518) 485-5570 or by email to elap@health.ny.gov.

APPENDIX B

SAMPLE LOCATION PLANS

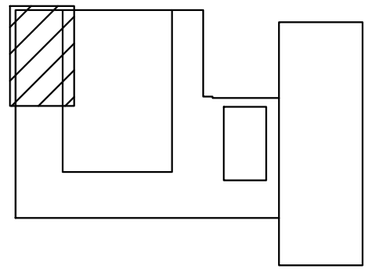


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

- 14 — Assumed Boiler Componnents
- 15 — Off-White 12-Inch Diameter Pipe TSI Jacket
- 16 — White Pipe TSI
- 17 — Gray Pipe TSI End Sealant
- 18 — White Boiler Breaching TSI
- 19 — White Boiler Breaching TSI
- 20 — White Breaching Cement
- 24 — Assumed Pipe TSI



Key Plan
Scale: NTS

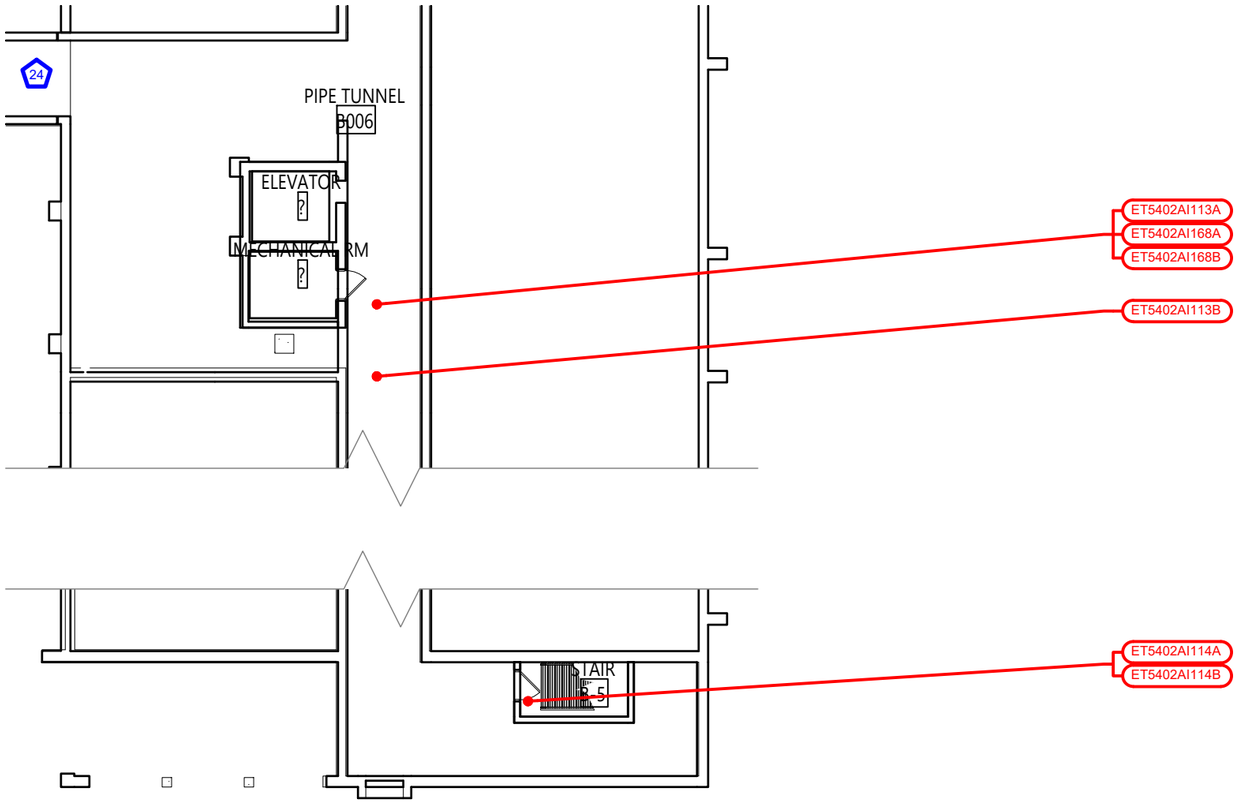
Partial Basement Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	1 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
9 Ogden Street
Binghamton, New York

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Side C



Side B

Side D

Side A

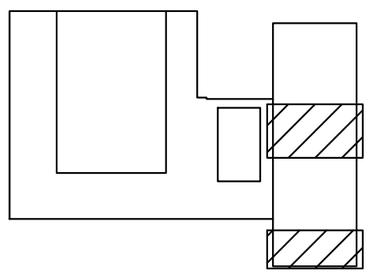
Partial Basement Sample Location Plan
Scale: NTS

LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

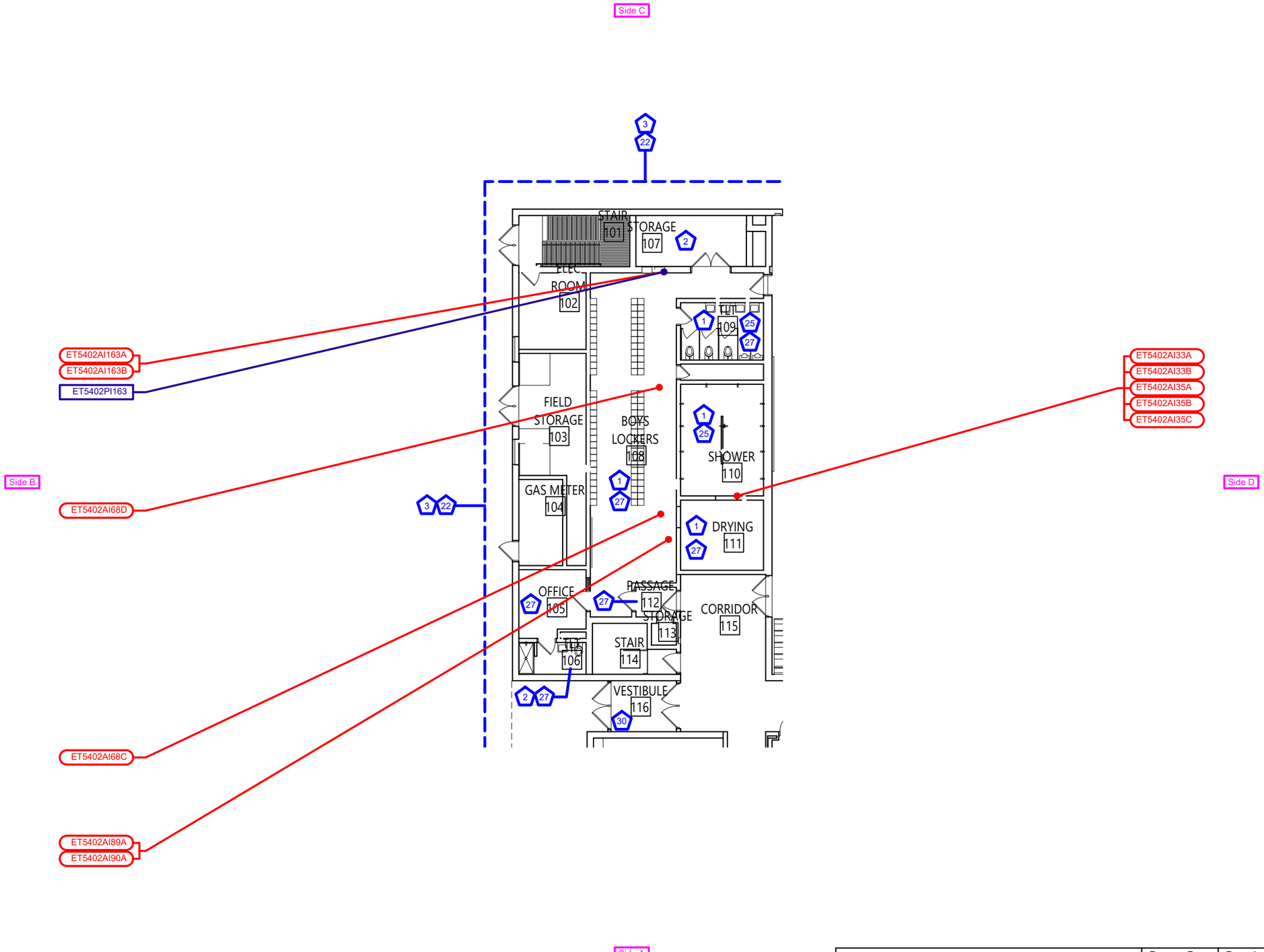
24	Assumed Pipe TSI



Key Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
2024 Capital Improvement Project Theodore Roosevelt Elementary School 9 Ogden Street Binghamton, New York	JDF	2 of 25	As Noted	ET5402	February 2026

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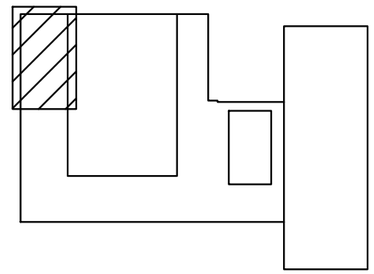


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

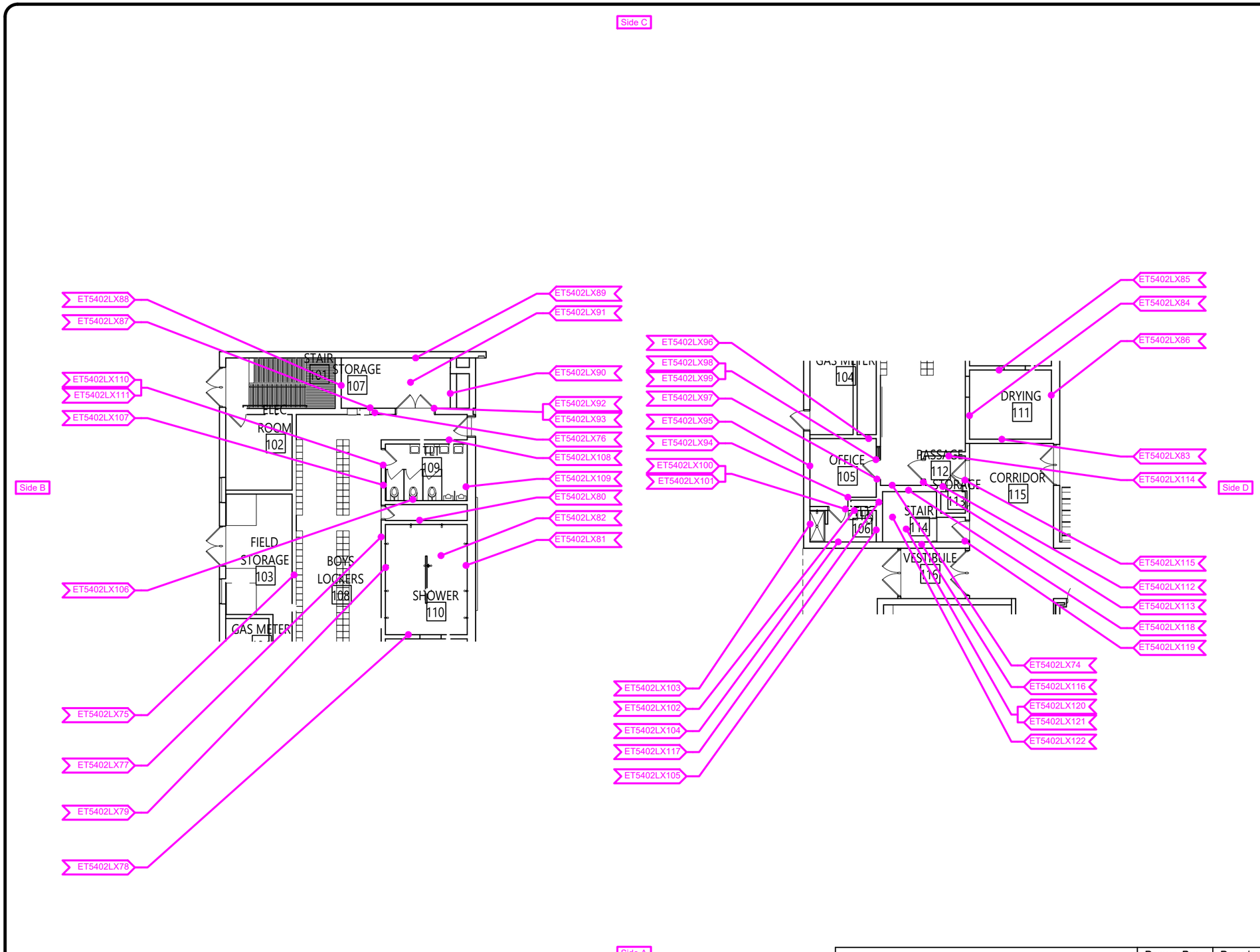
1. Brown Spray-Applied Fire Proofing
2. Gray 2-Inch Diameter Mudded TSI Pipe Fitting
3. Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
22. Light Gray Cementitious Soffit Panel
25. Assumed Pipe T SI
27. Off-White 2- by 2-Foot Textured Ceiling Tile
30. Black Door Frame Caulk



Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

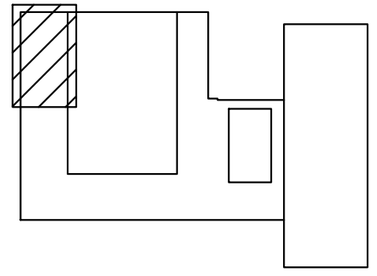
SAMPLE LOCATION PLAN	Drawn By: JDF	Drawing: 3 of 25	Scale: As Noted	Project No.: ET5402	Date : February 2026
2024 Capital Improvement Project Theodore Roosevelt Elementary School 9 Ogden Street Binghamton, New York	ATLANTIC TESTING LABORATORIES, Limited Albany, NY · Binghamton, NY · Buffalo, NY · Canton, NY · Elmira, NY · Plattsburgh, NY Poughkeepsie, NY · Rochester, NY · Syracuse, NY · Utica, NY · Watertown, NY www.AtlanticTesting.com				



LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :



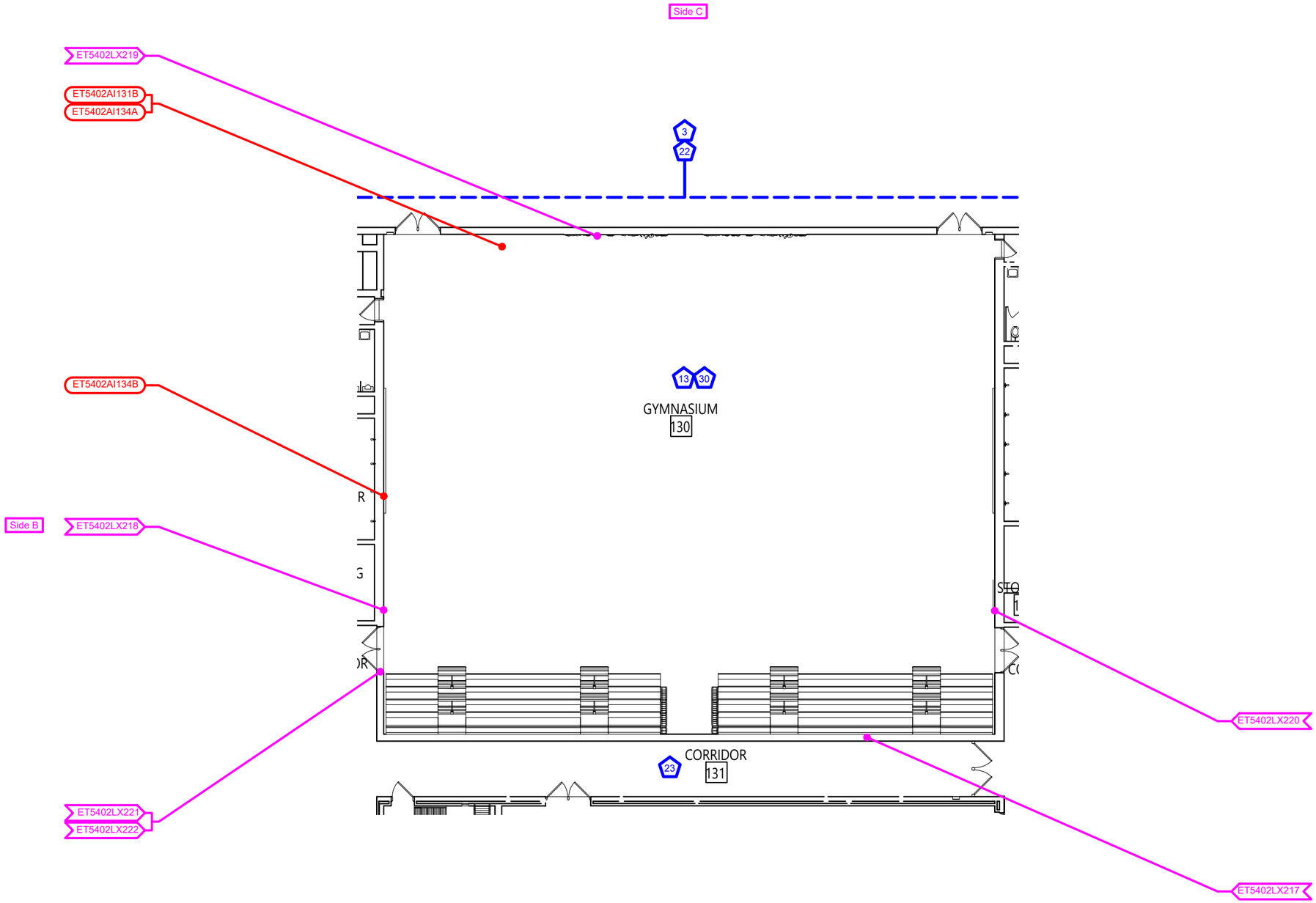
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	4 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
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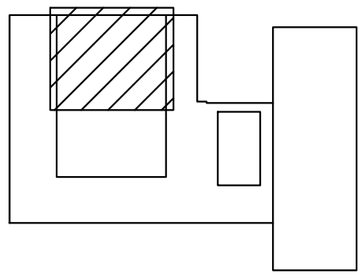


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

- 3 — Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
- 13 — Brown Adhesive Associated with White Textured Acoustical Panel Wallboards
- 22 — Light Gray Cementitious Soffit Panel
- 23 — White Door Insulation
- 30 — Black Door Frame Caulk



Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
9 Ogden Street
Binghamton, New York

Drawn By:	Drawing:	Scale:	Project No.:	Date :
JDF	5 of 25	As Noted	ET5402	February 2026

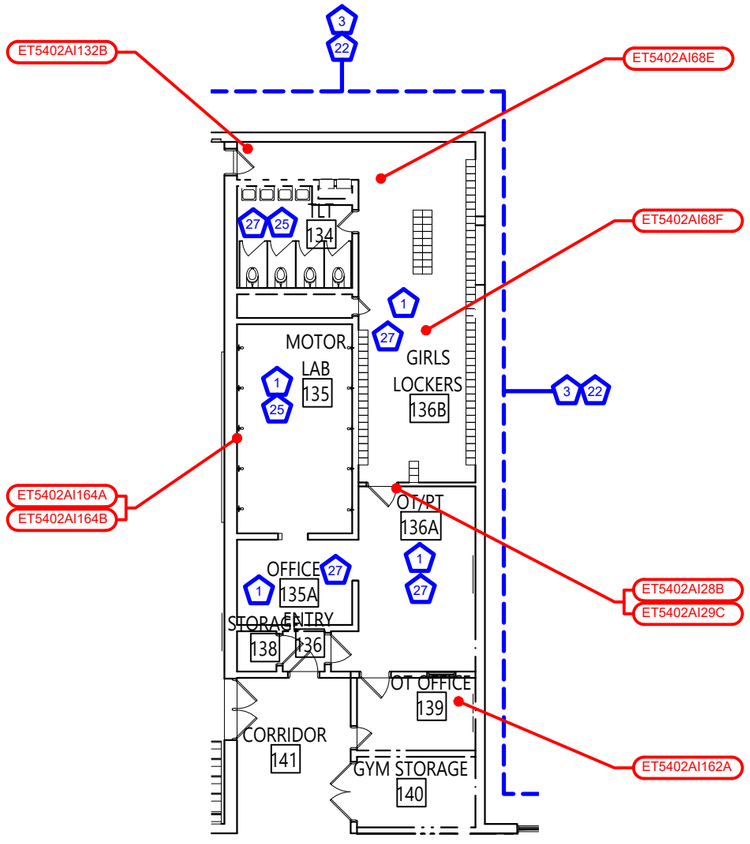
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Side C

Side B

Side D

Side A

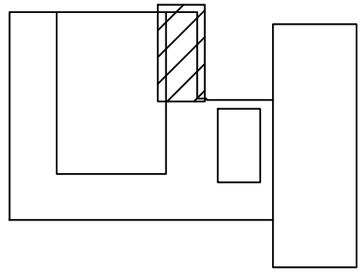


LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1	Brown Spray-Applied Fire Proofing
3	Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
22	Light Gray Cementitious Soffit Panel
25	Assumed Pipe TSI
27	Off-White 2- by 2-Foot Textured Ceiling Tile



Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By: JDF	Drawing: 6 of 25	Scale: As Noted	Project No.: ET5402	Date : February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
9 Ogden Street
Binghamton, New York

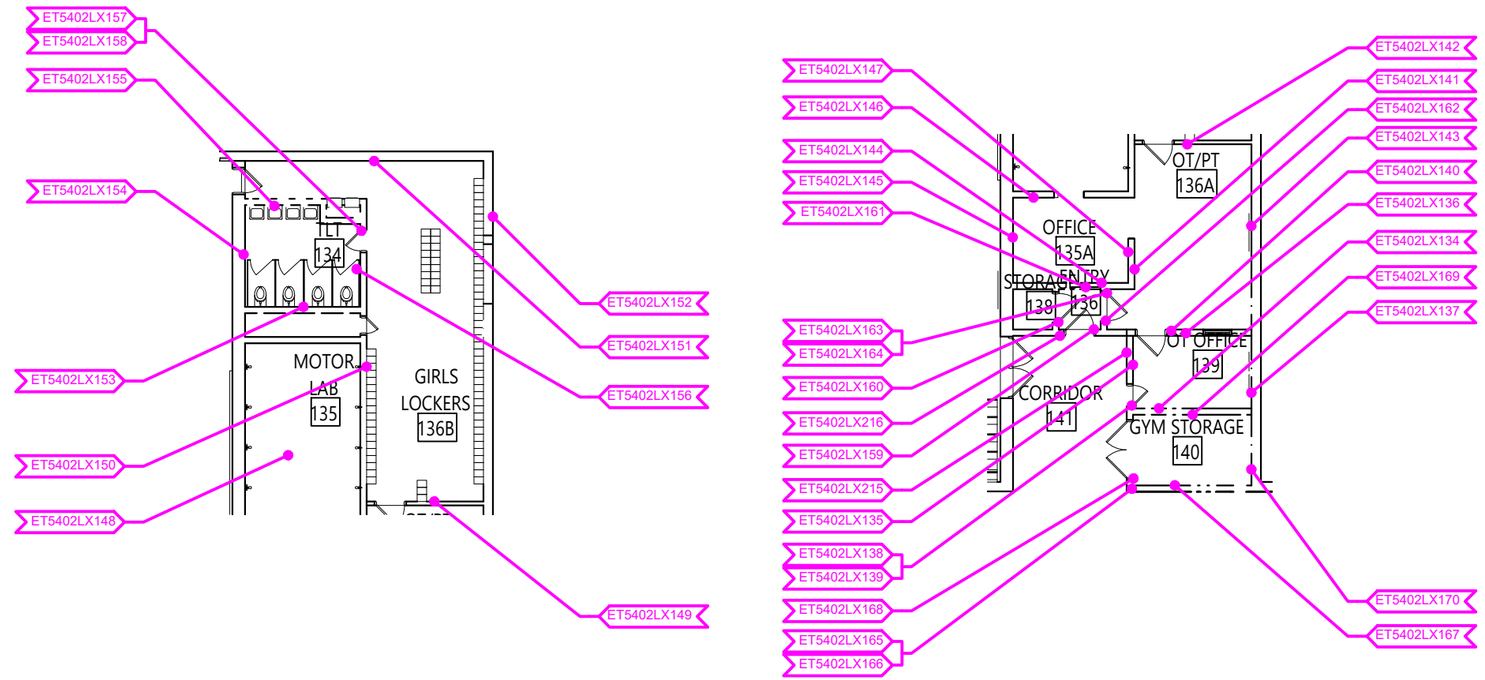
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Side C

Side B

Side D

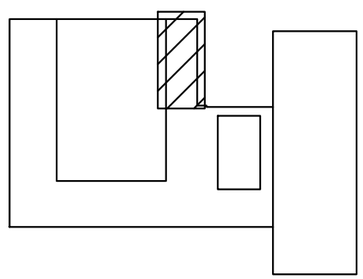
Side A



LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :



Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

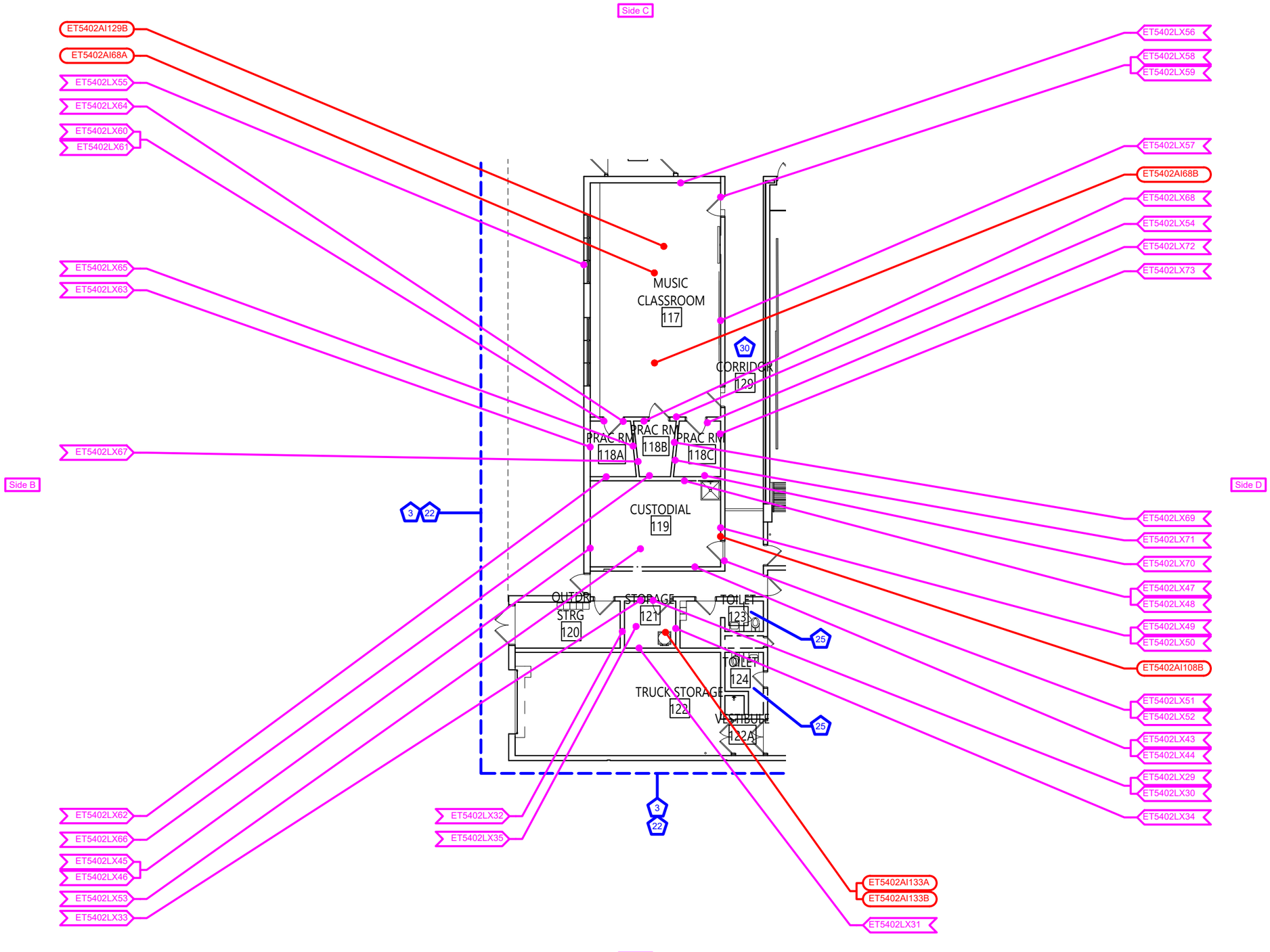
SAMPLE LOCATION PLAN	Drawn By: JDF	Drawing: 7 of 25	Scale: As Noted	Project No.: ET5402	Date : February 2026

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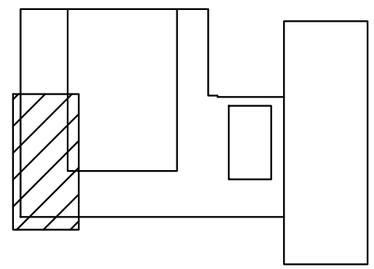


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

- 3 — Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
- 22 — Light Gray Cementitious Soffit Panel
- 25 — Assumed Pipe TSI
- 30 — Black Door Frame Caulk



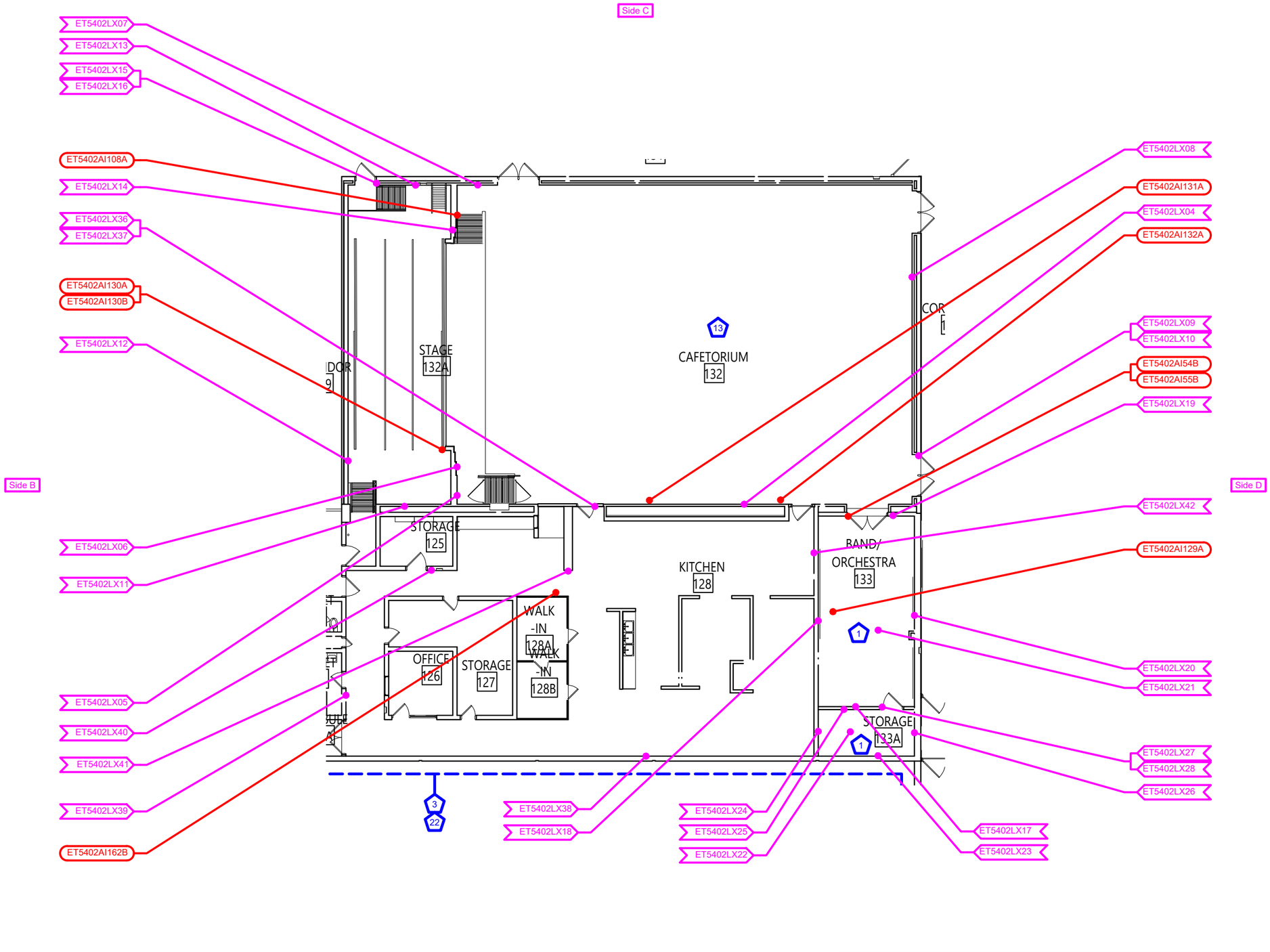
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	8 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
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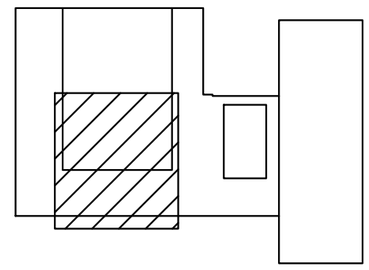


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

- 1 — Brown Spray-Applied Fire Proofing
- 3 — Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
- 13 — Brown Adhesive Associated with White Textured Acoustical Panel Wallboard
- 22 — Light Gray Cementitious Soffit Panel



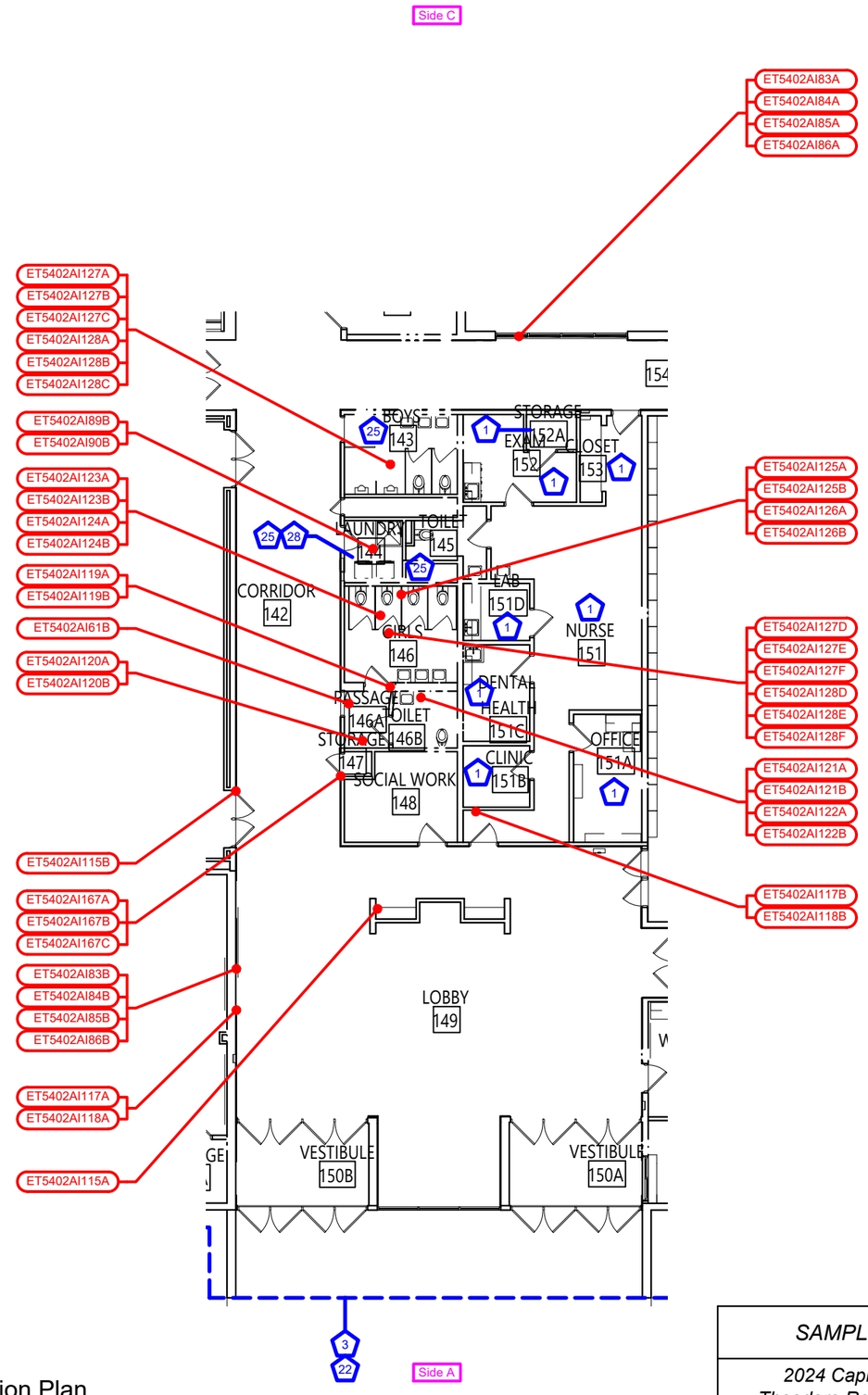
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	9 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
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Binghamton, New York

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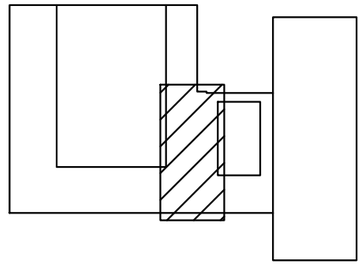


LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

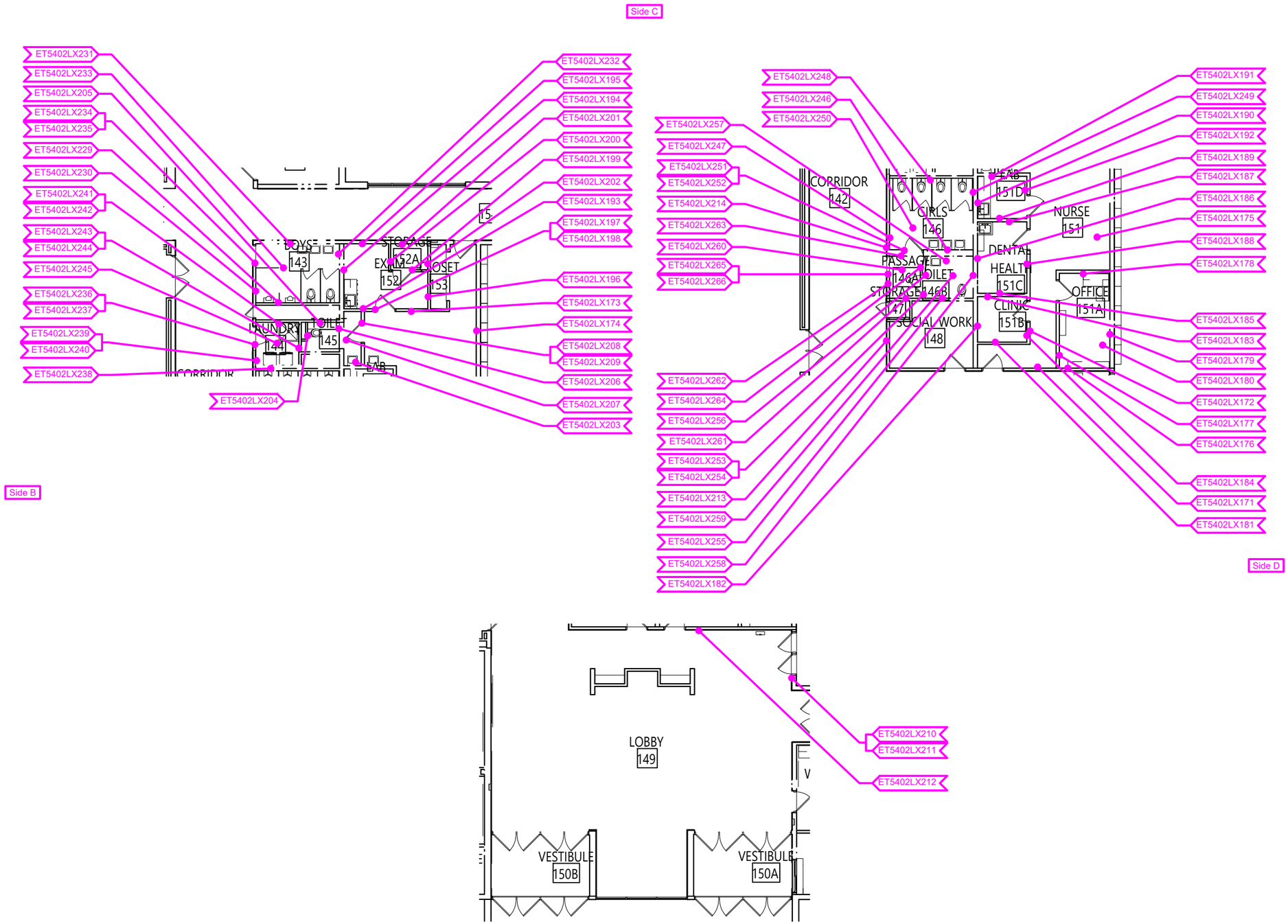
1	Brown Spray-Applied Fire Proofing
3	Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
22	Light Gray Cementitious Soffit Panel
25	Assumed Pipe TSI
28	Off-White 2-Inch Diameter Pipe TSI Jacket



Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

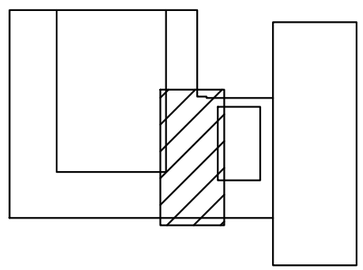
SAMPLE LOCATION PLAN	*Drawn By:* JDF	*Drawing:* 10 of 25	*Scale:* As Noted	*Project No.:* ET5402	*Date :* February 2026
2024 Capital Improvement Project *Theodore Roosevelt Elementary School* *9 Ogden Street* *Binghamton, New York*	**ATLANTIC TESTING LABORATORIES, Limited** Albany, NY · Binghamton, NY · Buffalo, NY · Canton, NY · Elmira, NY · Plattsburgh, NY Poughkeepsie, NY · Rochester, NY · Syracuse, NY · Utica, NY · Watertown, NY www.AtlanticTesting.com				



LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :



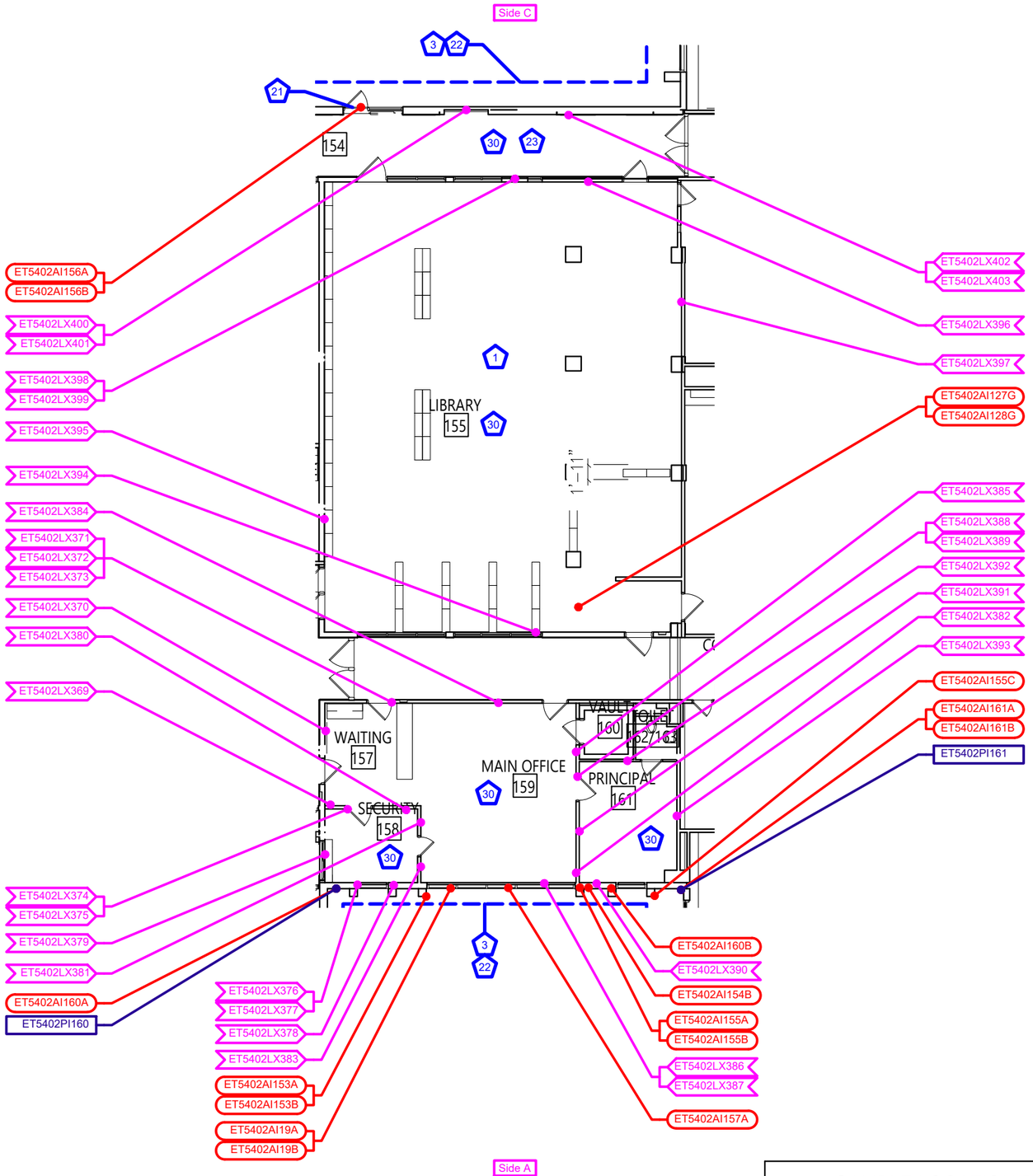
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	11 of 25	As Noted	ET5402	February 2026

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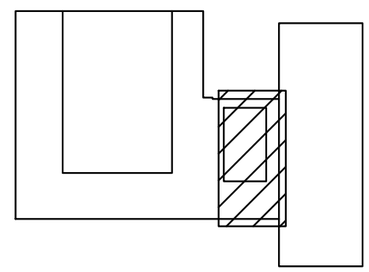


LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1	Brown Spray-Applied Fire Proofing
3	Dark Gray Adhesive Associated with Light Gray Cementitiois Soffit Panel
21	Black Tar Above Exterior Corridor 154 Door
22	Light Gray Cementitious Soffit Panel
23	White Door Insulation
30	Black Door Frame Caulk



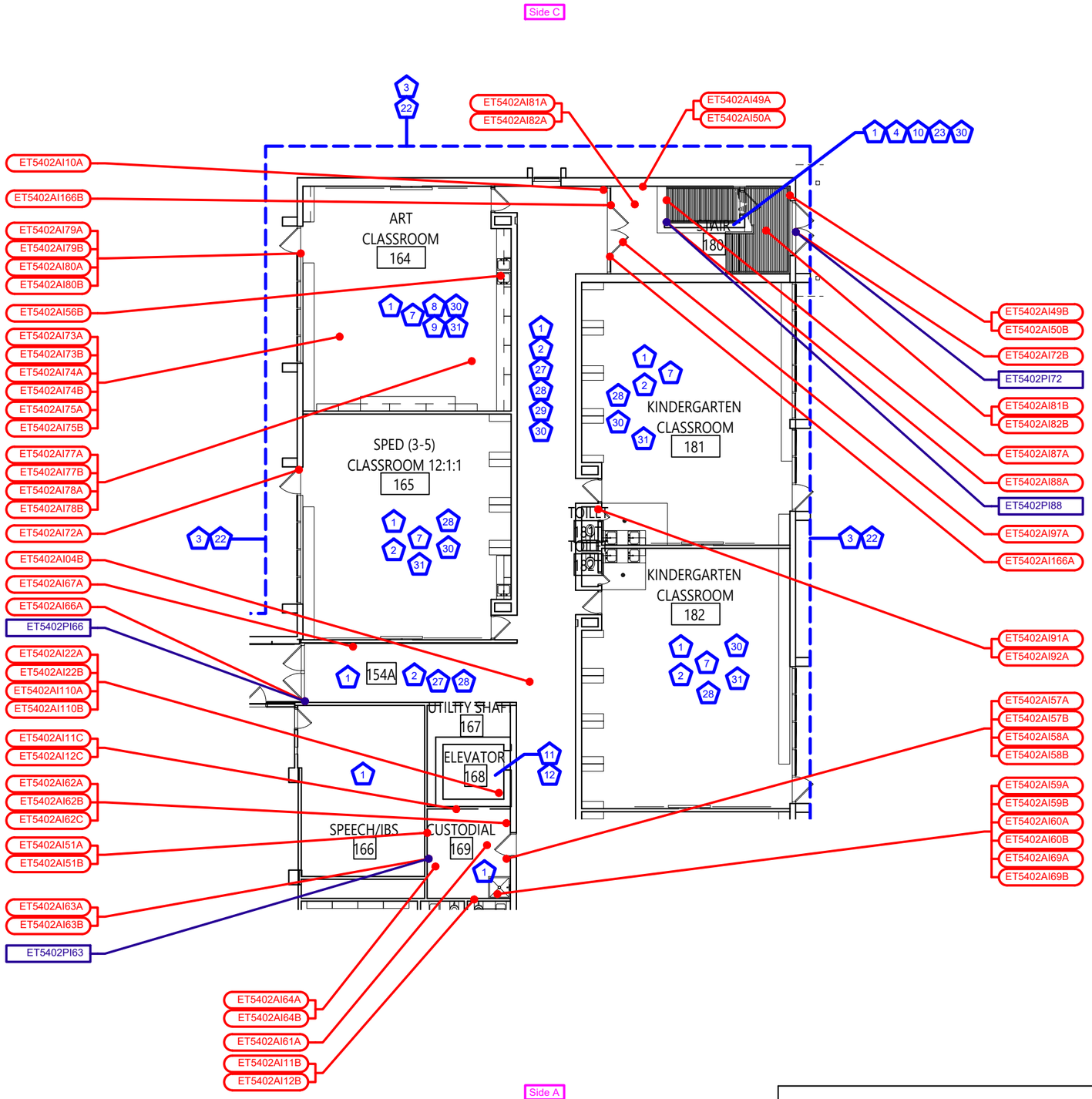
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	*Drawn By:* JDF	*Drawing:* 12 of 25	*Scale:* As Noted	*Project No.:* ET5402	*Date :* February 2026

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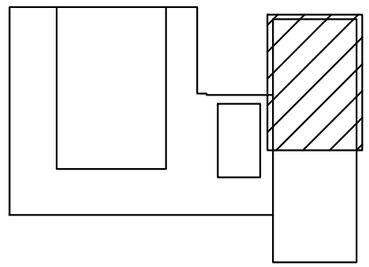


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1. Brown Spray-Applied Fire Proofing
2. Gray 2-Inch Diameter Mudded Pipe TSI Pipe Fitting
3. Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
4. White Door Lite Butyl
7. Green Spray-Applied Fire Proofing
8. Beige 12- by 12-Inch Streaked with Gray and Brown Floor Tile
9. Black Floor Tile Mastic Associated with Beige 12- by 12-Inch Streaked with Gray and Brown Floor Tile
10. Off-White Door Lite Butyl
11. Yellow Assumed Panel Adhesive
12. Assumed Elevator Electrical Components
22. Light Gray Cementitious Soffit Panel
23. White Door Insulation
27. Off-White 2- by 2-Foot Textured Ceiling Tile
28. Off-White 2-Inch Diameter Pipe TSI Jacket
29. Gray 2-Inch Diameter Pipe TSI Jacket
30. Black Door Frame Caulk
31. Off-White Rough 5- by 4- and 5- by 1-Foot Ceiling Tile

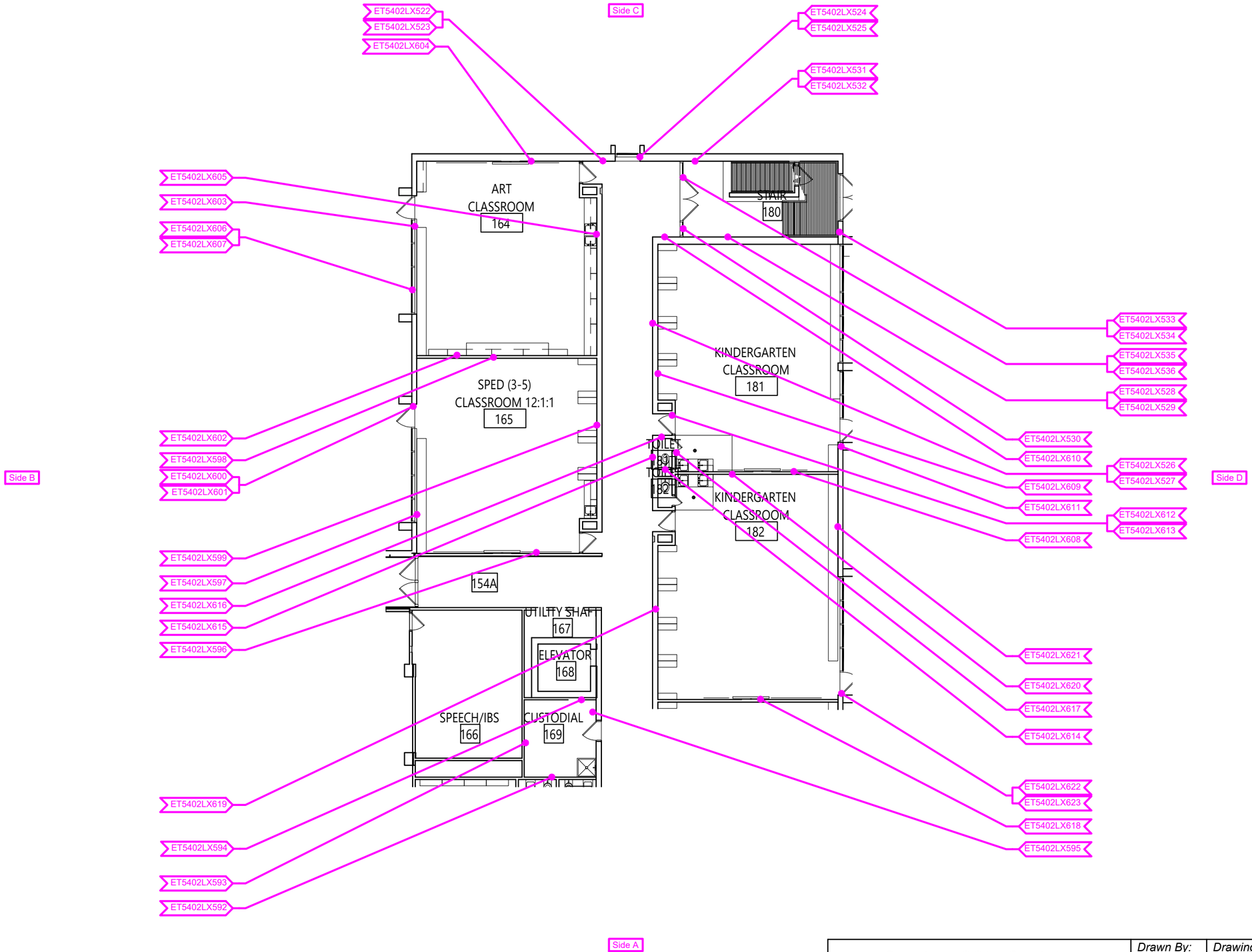


Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
2024 Capital Improvement Project Theodore Roosevelt Elementary School 9 Ogden Street Binghamton, New York	JDF	13 of 25	As Noted	ET5402	February 2026

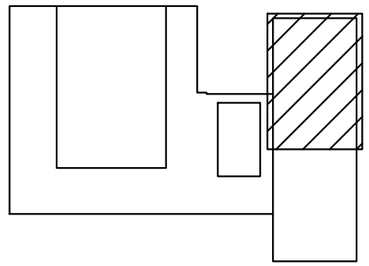
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LEGEND :

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ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :



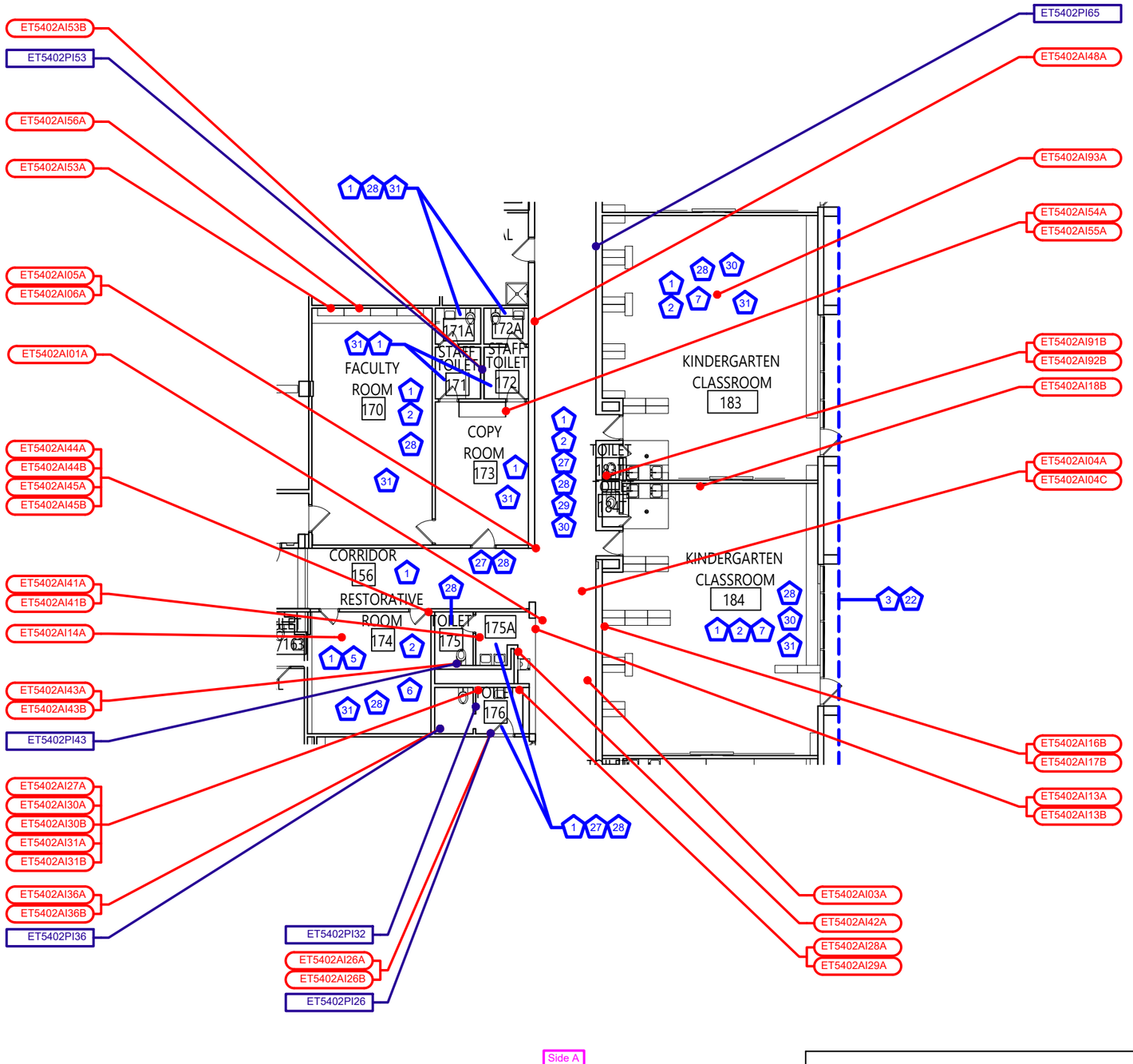
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	14 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
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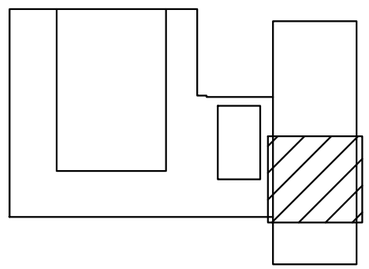


LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1	Brown Spray-Applied Fire Proofing
2	Gray 2-Inch Diameter Mudded TSI Pipe Fitting
3	Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
5	Beige Pattern Flooring Material
6	Yellow Adhesive Associated with Beige Pattern Flooring Material
7	Green Spray-Applied Fire Proofing
22	Light Gray Cementitious Soffit Panel
27	Off-White 2- by 2-Foot Textured Ceiling Tile
28	Off-White 2-Inch Diameter Pipe TSI Jacket
29	Gray 2-Inch Diameter Pipe TSI Jacket
30	Black Door Frame Caulk
31	Off-White Rough 5- by 4- and 5- by 1-Foot Ceiling Tile



Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	15 of 25	As Noted	ET5402	February 2026

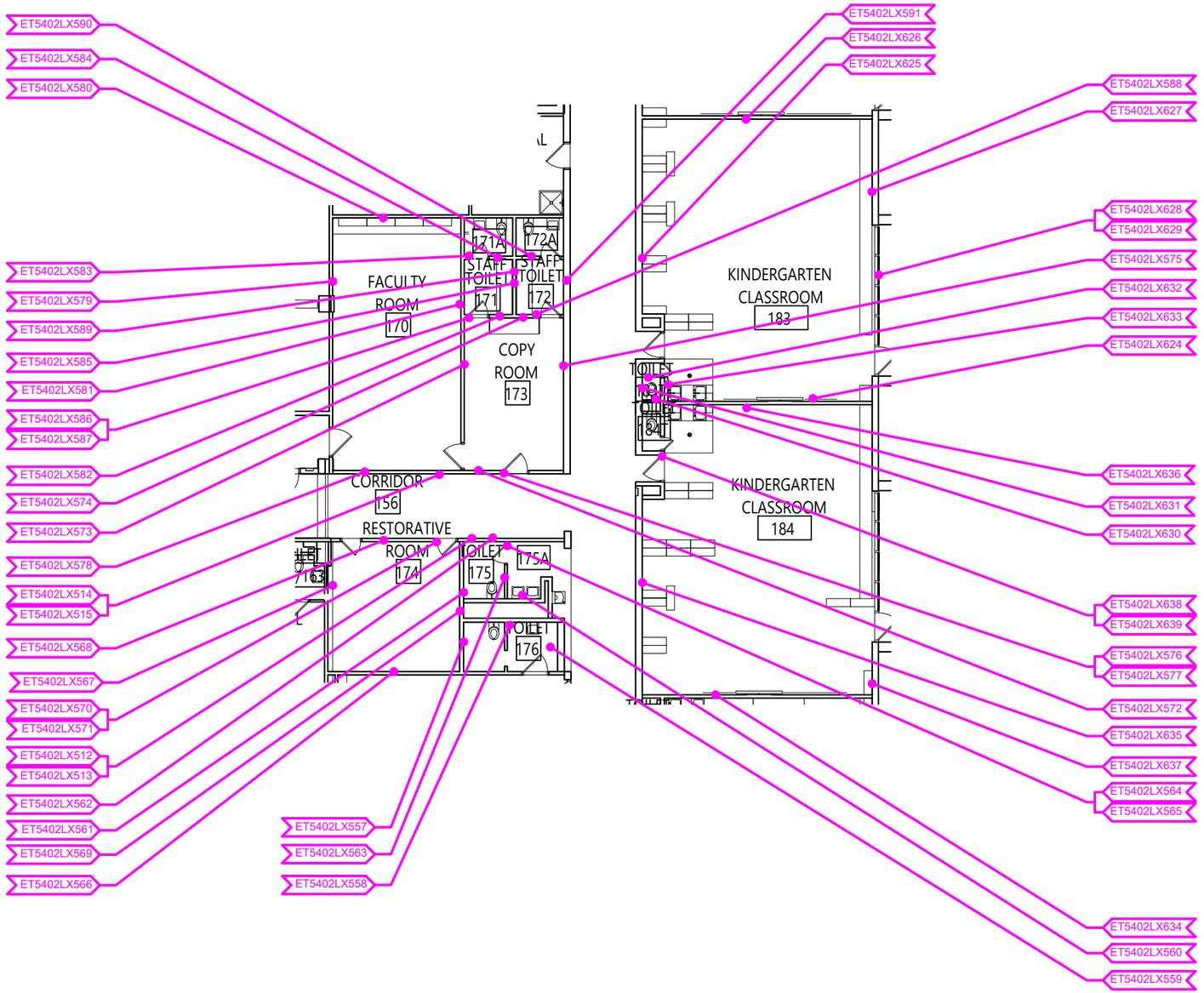
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Side C

Side B

Side D



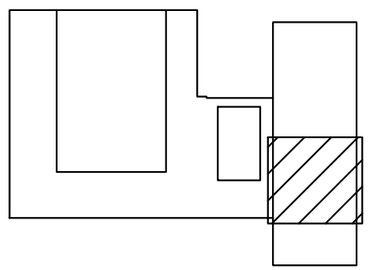
Side A

Partial First Floor Sample Location Plan
Scale: NTS

LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

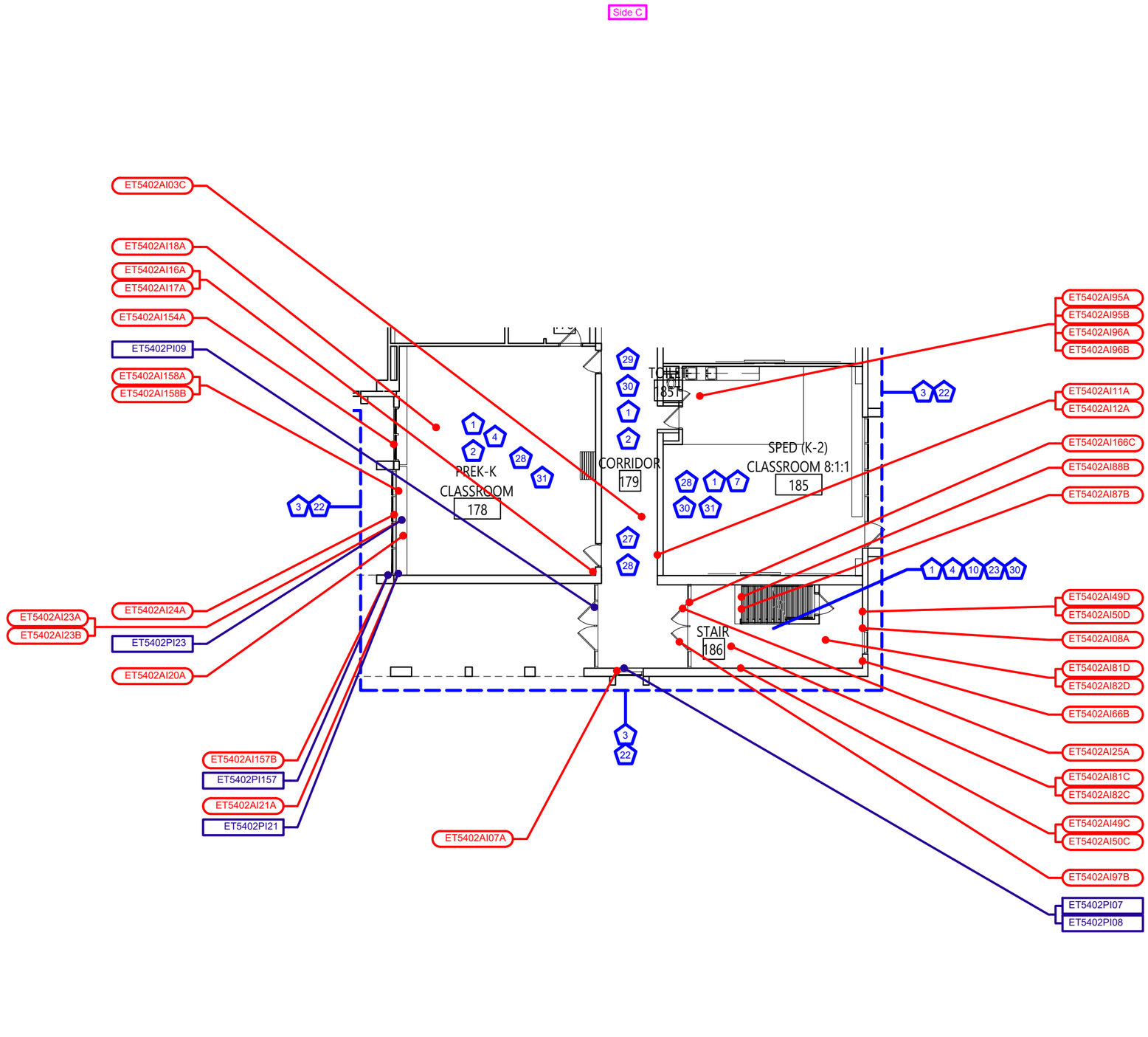


Key Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	16 of 25	As Noted	ET5402	February 2026

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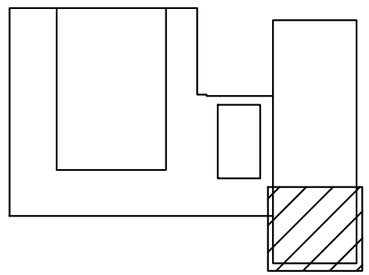


LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1	Brown Spray-Applied Fire Proofing
2	Gray 2-Inch Diameter Mudded TSI Pipe Fitting
3	Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
4	White Door Lite Butyl
7	Green Spray-Applied Fire Proofing
10	Off-White Door Lite Butyl
22	Light Gray Cementitious Soffit Panel
23	White Door Insulation
27	Off-White 2- by 2-Foot Textured Ceiling Tile
28	Off-White 2-Inch Diameter Pipe TSI Jacket
29	Gray 2-Inch Diameter Pipe TSI Jacket
30	Black Door Frame Caulk
31	Off-White Rough 5- by 4- and 5- by 1-Foot Ceiling Tile



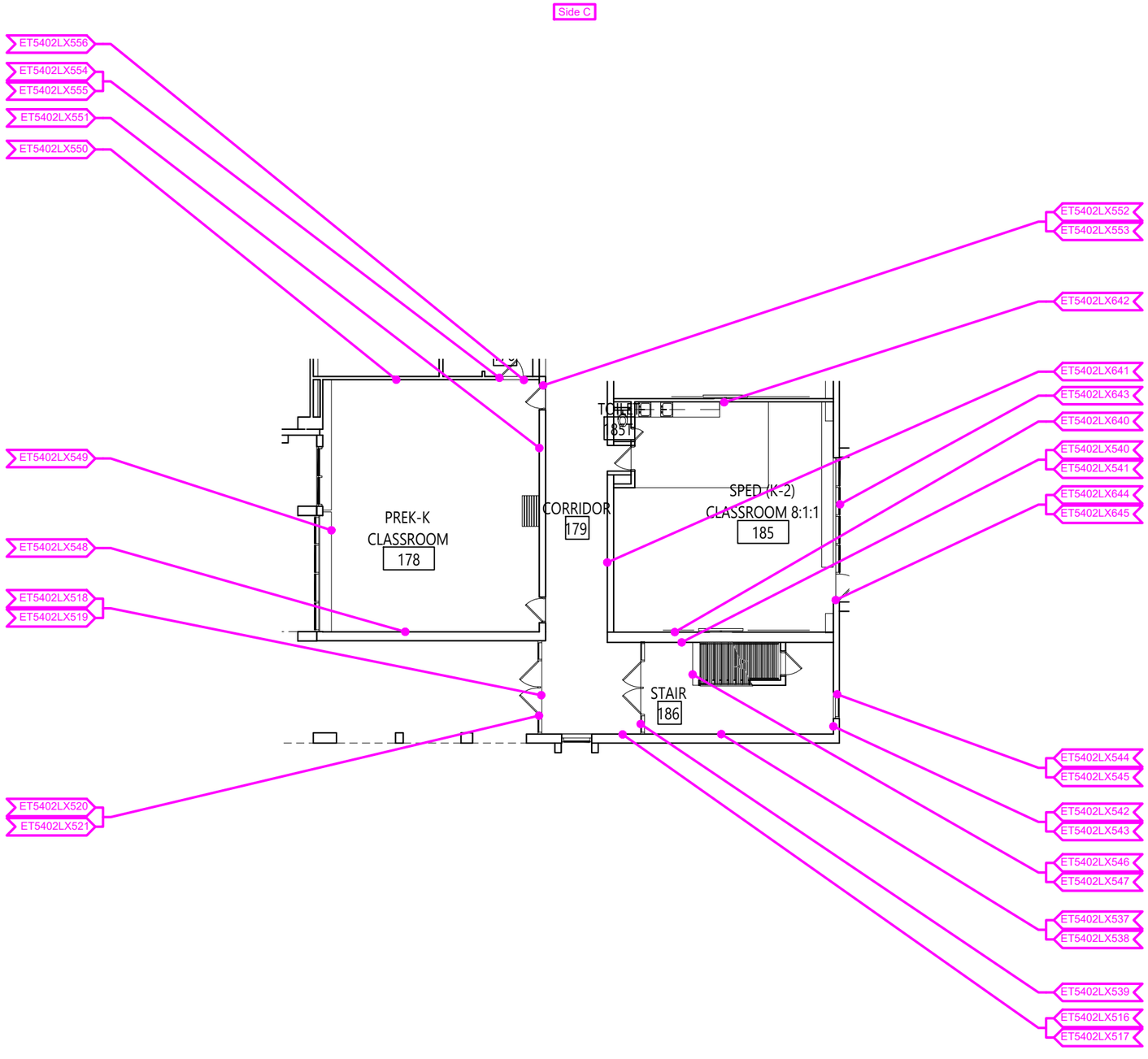
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	17 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
9 Ogden Street
Binghamton, New York

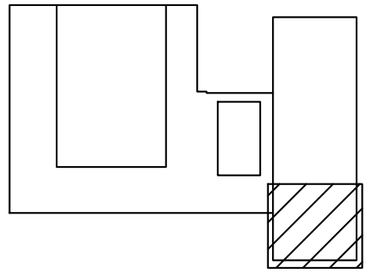
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ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :



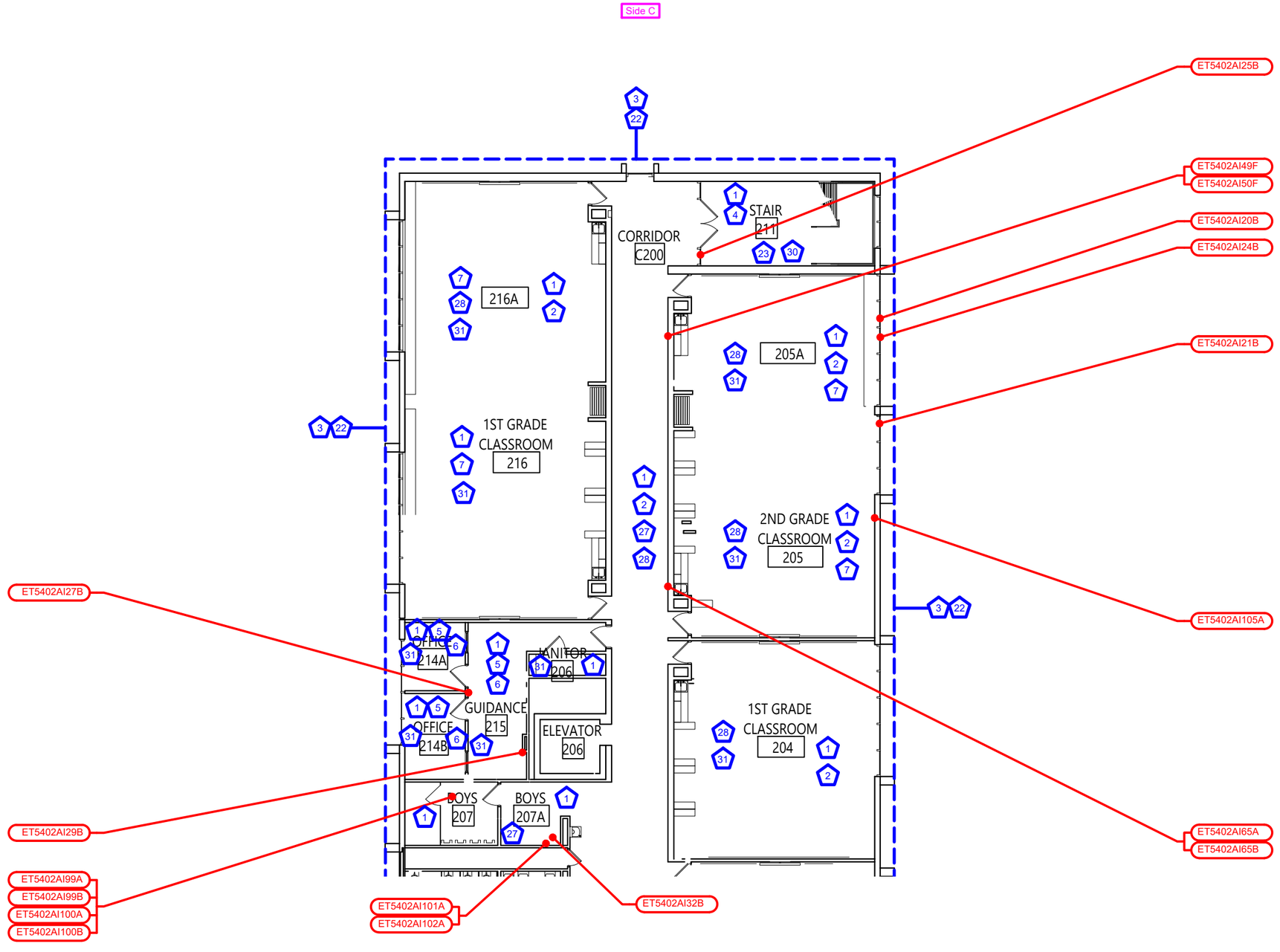
Key Plan
Scale: NTS

Partial First Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	18 of 25	As Noted	ET5402	February 2026

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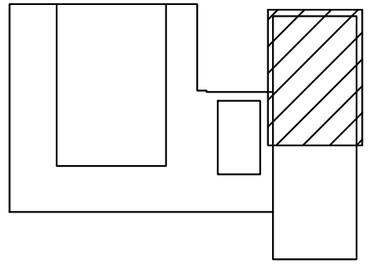


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- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1. Brown Spray-Applied Fire Proofing
2. Gray 2-Inch Diameter Mudded Pipe TSI Pipe Fitting
3. Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
4. White Door Lite Butyl
5. Beige Pattern Flooring Material
6. Yellow Adhesive Associated with Beige Pattern Flooring Material
7. Green Spray-Applied Fire Proofing
22. Light Gray Cementitious Soffit Panel
23. White Door Insulation
27. Off-White 2- by 2-Foot Textured Ceiling Tile
28. Off-White 2-Inch Diameter Pipe TSI Jacket
30. Black Door Frame Caulk
31. Off-White Rough 5- by 4- and 5- by 1-Foot Ceiling Tile



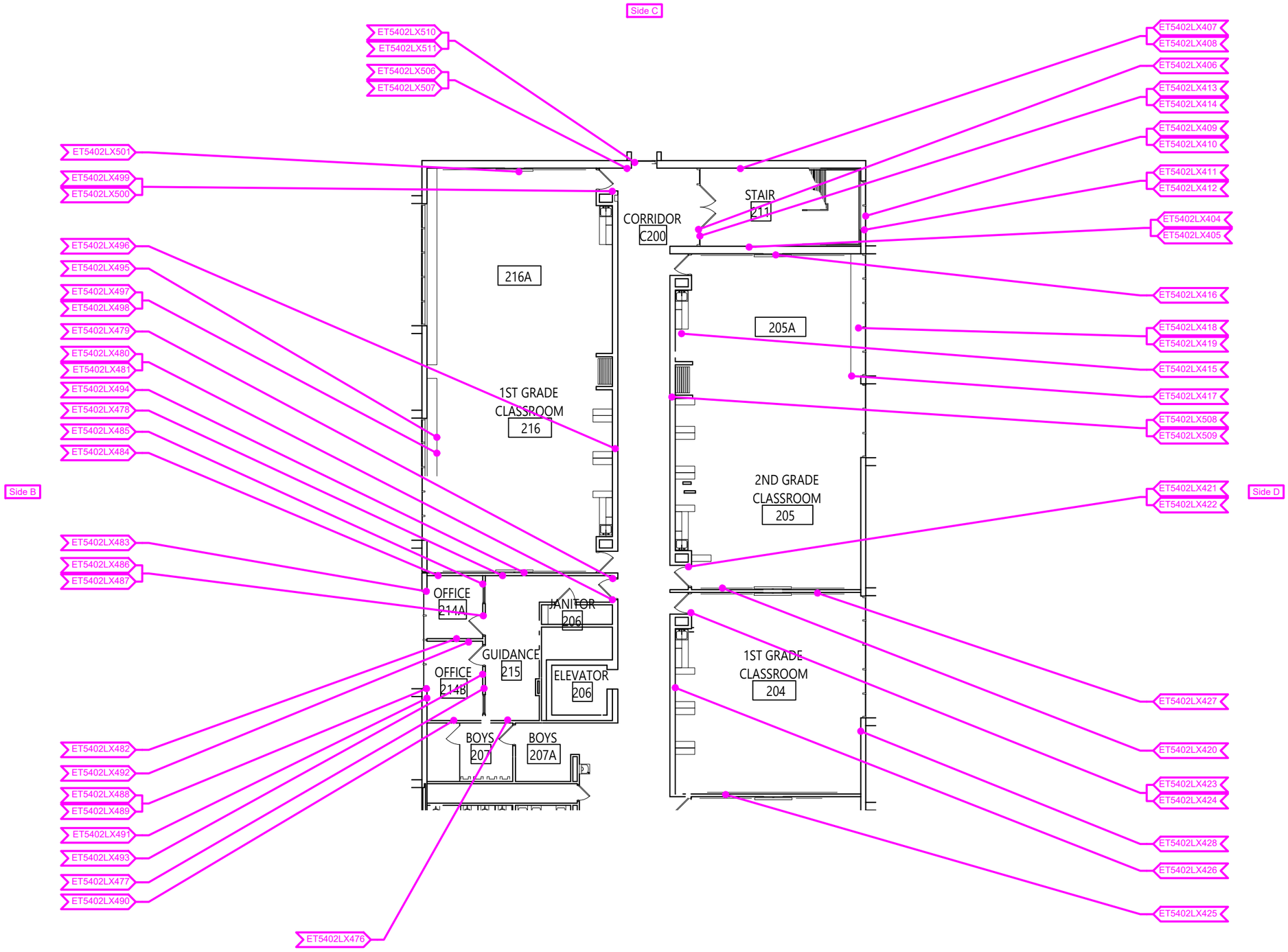
Key Plan
Scale: NTS

Partial Second Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	19 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
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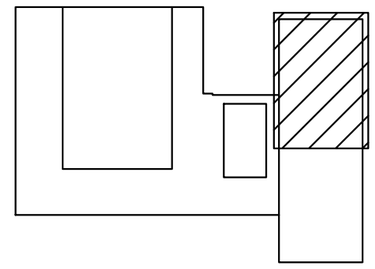
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Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :



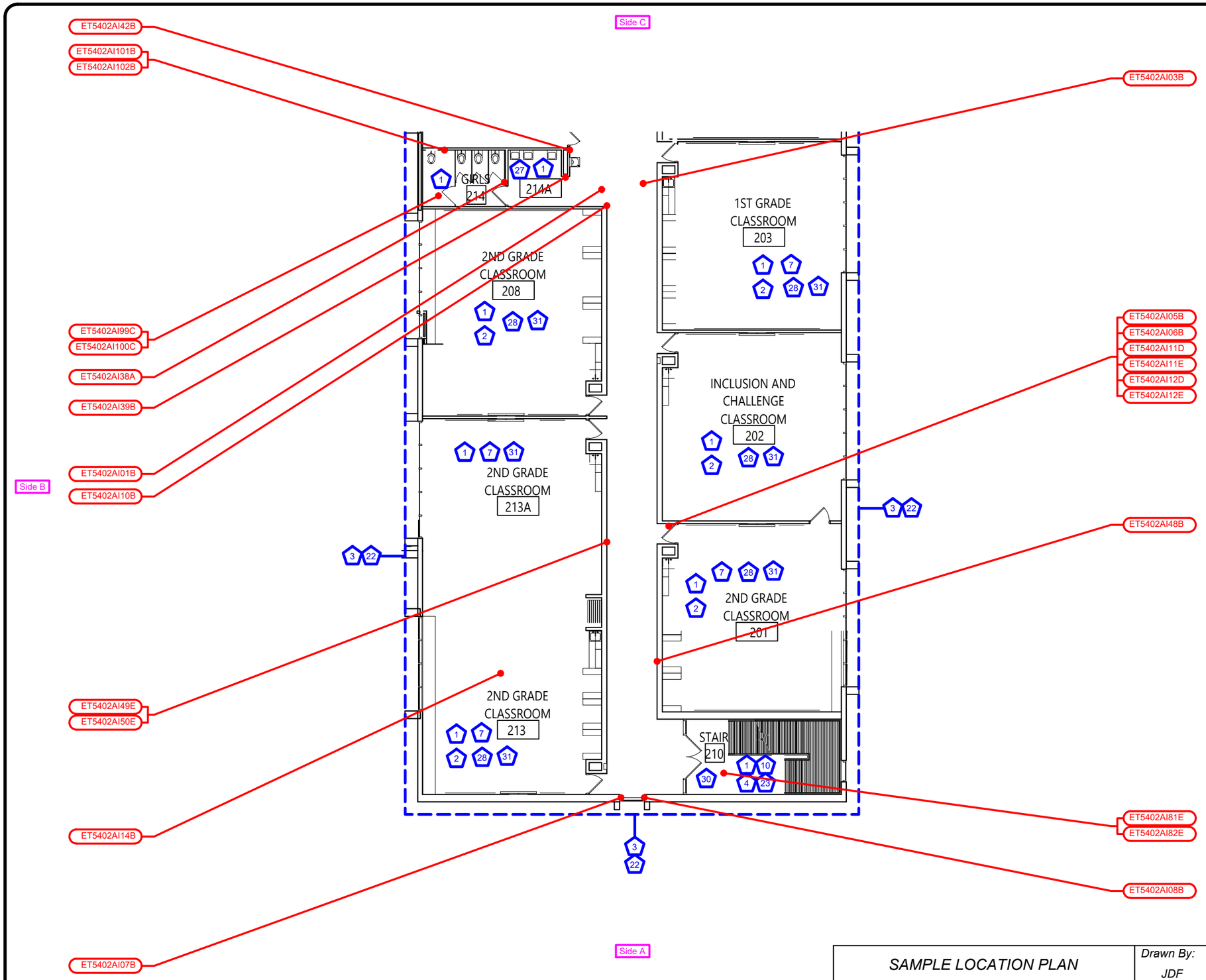
Key Plan
Scale: NTS

Partial Second Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	20 of 25	As Noted	ET5402	February 2026

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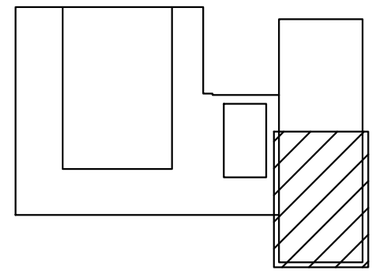


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- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1. Brown Spray-Applied Fire Proofing
2. Gray 2-Inch Diameter Mudded Pipe TSI Pipe Fitting
3. Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
4. White Door Lite Butyl
7. Green Spray-Applied Fire Proofing
10. Off-White Door Lite Butyl
22. Light Gray Cementitious Soffit Panel
23. White Door Insulation
27. Off-White 2- by 2-Foot Textured Ceiling Tile
28. Off-White 2-Inch Diameter Pipe TSI Jacket
30. Black Door Frame Caulk
31. Off-White Rough 5- by 4- and 5- by 1-Foot Ceiling Tile



Key Plan
Scale: NTS

Partial Second Floor Sample Location Plan
Scale: NTS

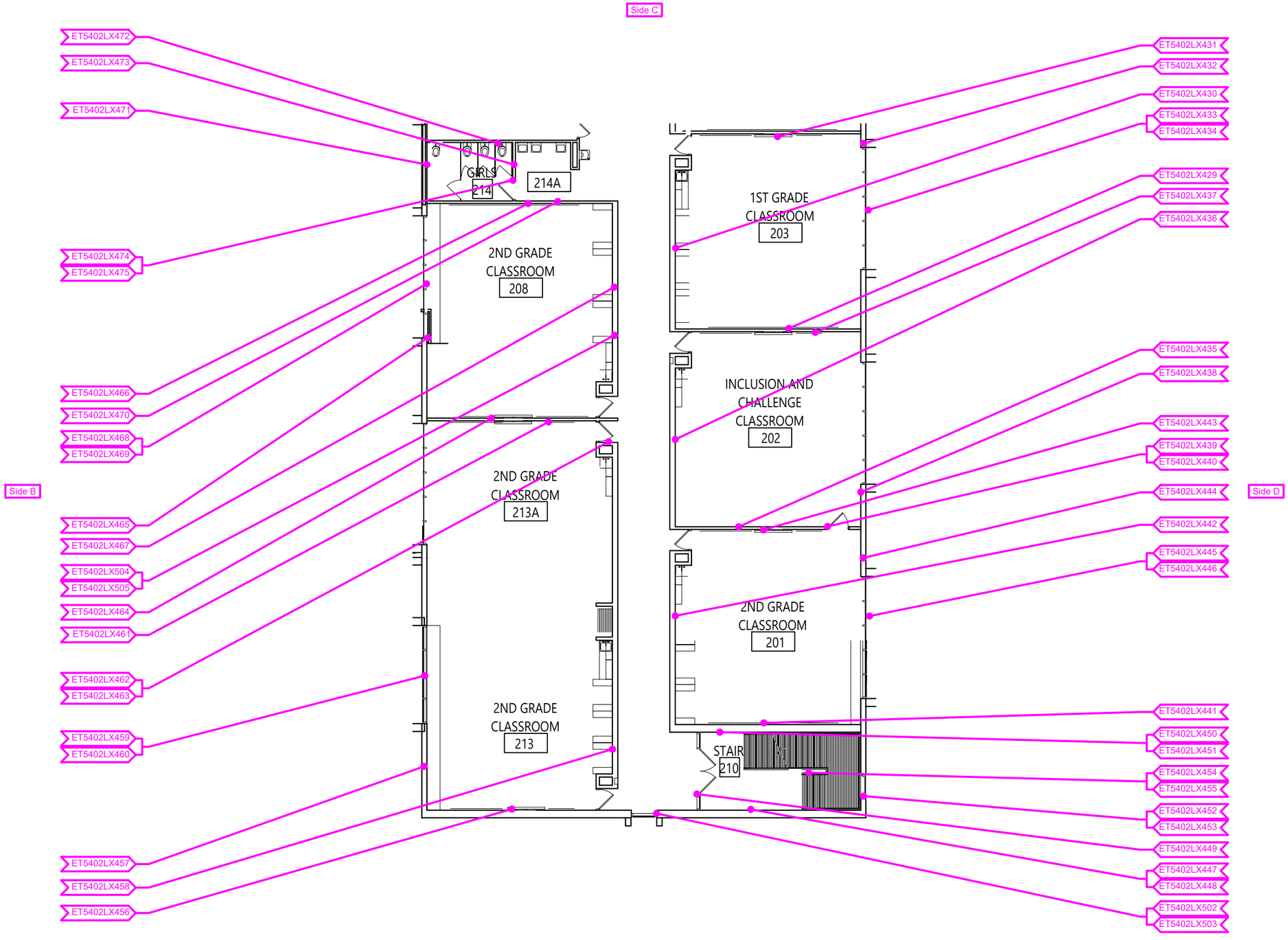
SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	21 of 25	As Noted	ET5402	February 2026

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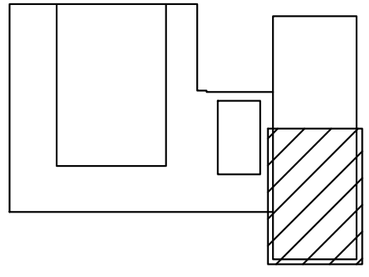
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LEGEND :

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ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :



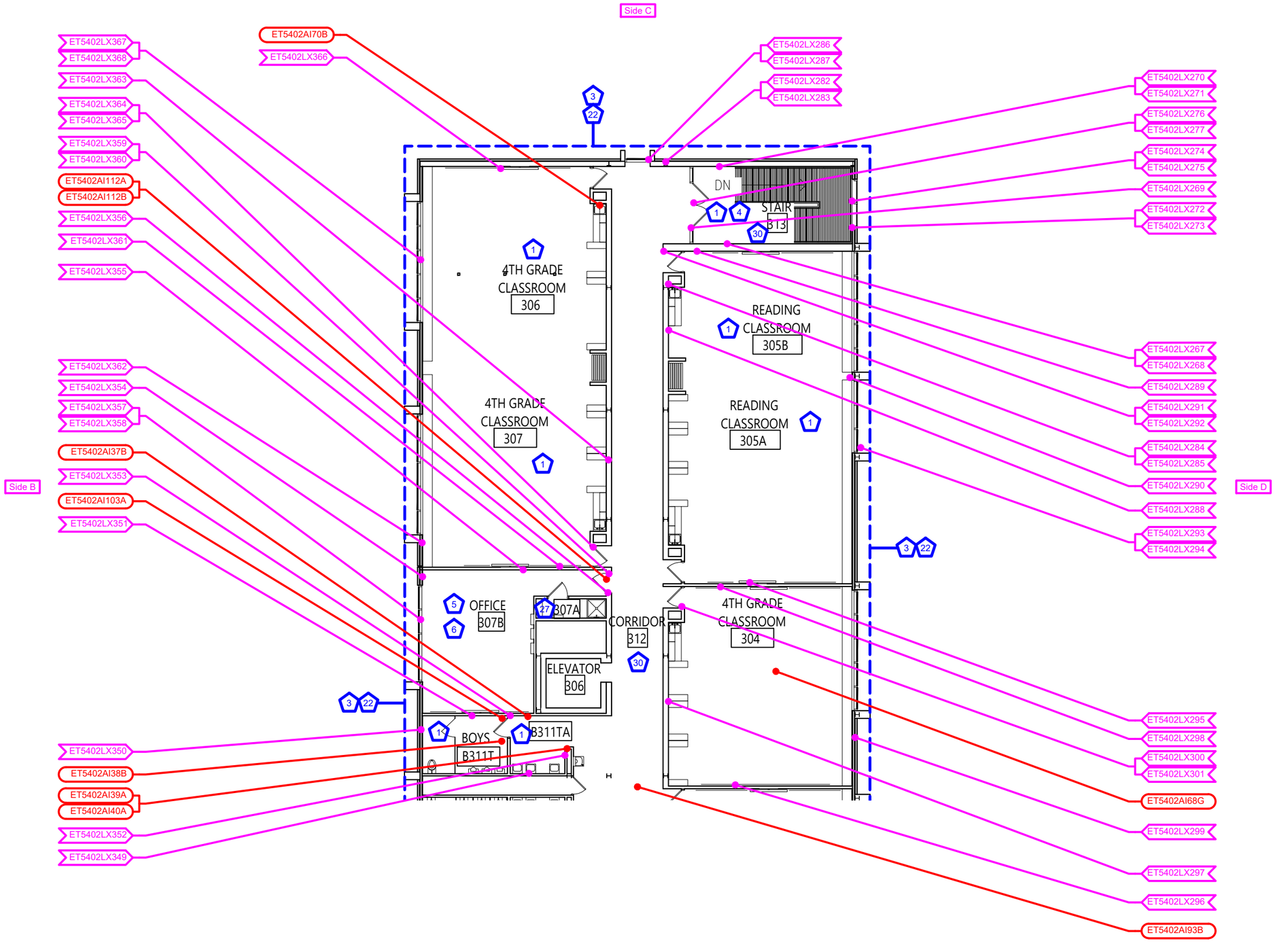
Key Plan
Scale: NTS

Partial Second Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	22 of 25	As Noted	ET5402	February 2026

2024 Capital Improvement Project
Theodore Roosevelt Elementary School
9 Ogden Street
Binghamton, New York

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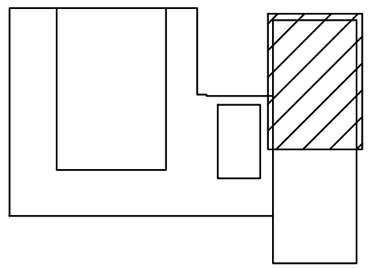


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

1. Brown Spray-Applied Fire Proofing
3. Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
4. White Door Lite Butyl
5. Beige Pattern Flooring Material
6. Yellow Adhesive Associated with Beige Pattern Flooring Material
22. Light Gray Cementitious Soffit Panel
27. Off-White 2- by 2-Foot Textured Ceiling Tile
30. Black Door Frame Caulk



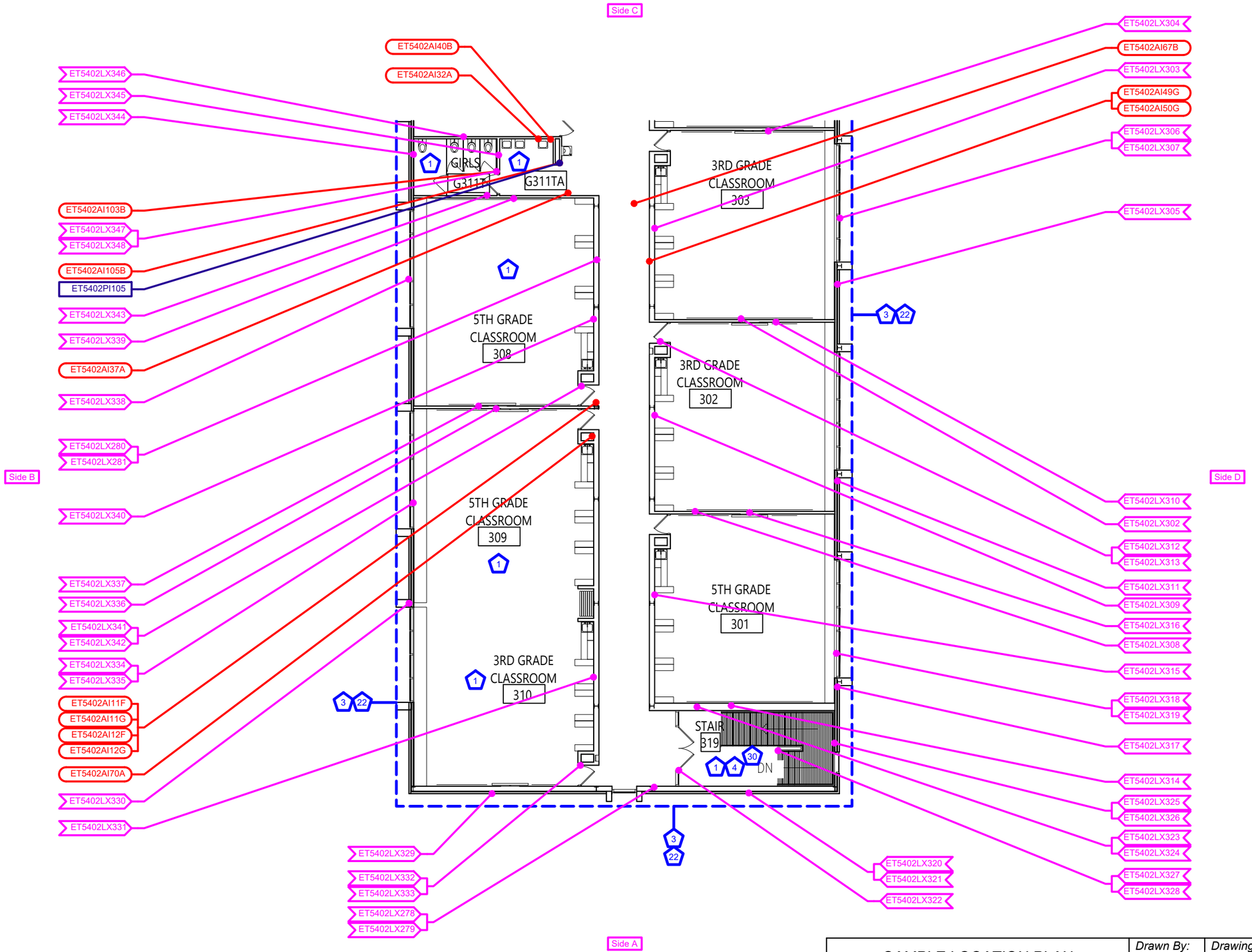
Key Plan
Scale: NTS

Partial Third Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	23 of 25	As Noted	ET5402	February 2026

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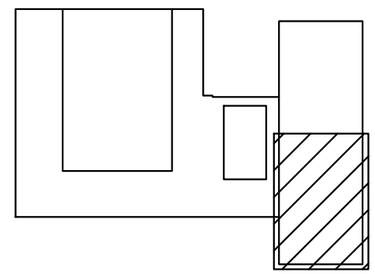


LEGEND :

- ET5402AI01A — Suspect Asbestos Sample ID and Approximate Location
- ET5402PI01 — Suspect PCB-Containing Caulk Sample ID and Approximate Location
- ET5402LX01 — Suspect Lead-Based XRF Sample ID and Approximate Location
- Side A — Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

- 1 — Brown Spray-Applied Fire Proofing
- 3 — Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel
- 4 — White Door Lite Butyl
- 22 — Light Gray Cementitious Soffit Panel
- 30 — Black Door Frame Caulk



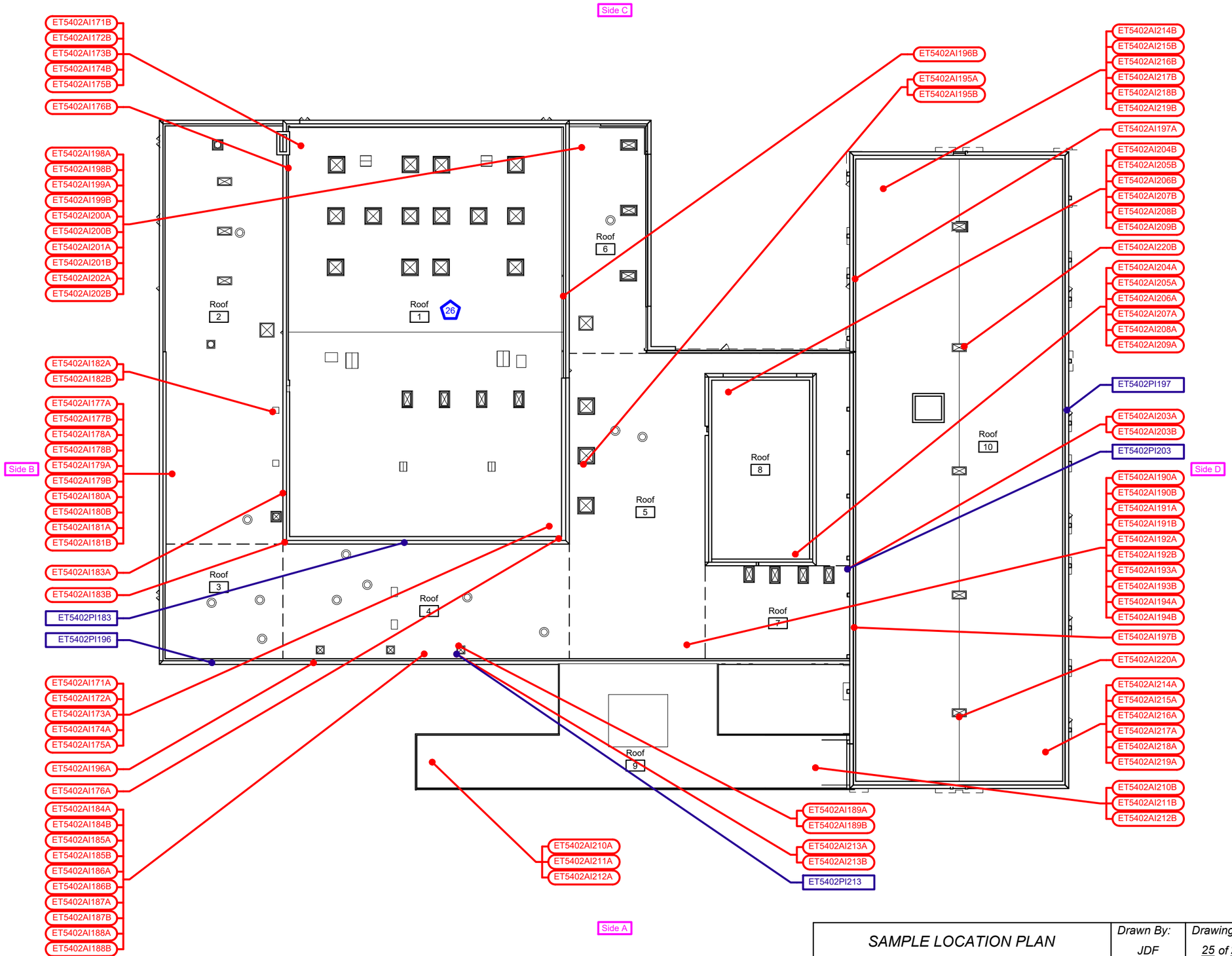
Key Plan
Scale: NTS

Partial Third Floor Sample Location Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	24 of 25	As Noted	ET5402	February 2026

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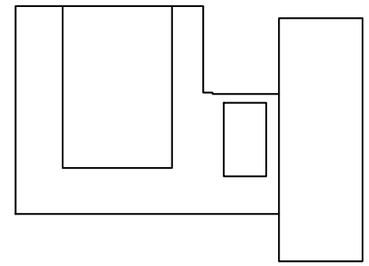
Partial Third Floor Sample Location Plan
Scale: NTS

LEGEND :

ET5402AI01A	Suspect Asbestos Sample ID and Approximate Location
ET5402PI01	Suspect PCB-Containing Caulk Sample ID and Approximate Location
ET5402LX01	Suspect Lead-Based XRF Sample ID and Approximate Location
Side A	Side Designation for XRF Sampling

ASBESTOS KEYNOTES :

26 — Black Roof Flashing Tar Associated with Skylights



Key Plan
Scale: NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	JDF	25 of 25	As Noted	ET5402	February 2026

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APPENDIX C

LABORATORY REPORTS AND CUSTODY DOCUMENTATION

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Atlantic Testing Laboratories, Limited
Attn: Andrew Amell
6431 US Highway 11

Canton, NY 13617

Date Received 1/6/2026 **AmeriSci Job #** 226011169
Date Examined 01/09/26 **P.O. #**
ELAP # 11480 **Page** 1 **of** 64
RE: ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI01A 01	226011169-01	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor 179 - Row 1: Off-White 2- By 2- Foot Textured Ceiling Tile **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 17%				
ET5402AI01B 01	226011169-02	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor C200 - Row 1: Off-White 2- By 2- Foot Textured Ceiling Tile **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 20%				
ET5402AI03A 03	226011169-03	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 179 - Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60%, Fibrous glass 25%, Non-fibrous 15%				
ET5402AI03B 03	226011169-04	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor C200 - Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 15%, Non-fibrous 15%				
ET5402AI03C 03	226011169-05	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor C200 - Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 20%, Non-fibrous 10%				
ET5402AI04A 04	226011169-06	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 179 - Row 4: Gray 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%				

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI04B 04	226011169-07	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 179 - Row 4: Gray 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%				
ET5402AI04C 04	226011169-08	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 179 - Row 4: Gray 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 75%, Fibrous glass 10%, Non-fibrous 15%				
ET5402AI05A 05	226011169-09	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 179 - Row 5: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI05B 05	226011169-10	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor C200 - Row 5: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI06A 06	226011169-11	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor 179 - Row 6: Yellow Adhesive Row 5 **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 36%				
ET5402AI06B 06	226011169-12	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor C200 - Row 6: Yellow Adhesive Row 5 **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 55%				
ET5402AI07A 07	226011169-13	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor 179 - Row 7: Black Window Frame Caulk **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9%				

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI07B 07	226011169-14	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor C200 - Row 7: Black Window Frame Caulk **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.7%				
ET5402AI08A 08	226011169-15	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Stair 186 - Row 8: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.5%				
ET5402AI08B 08	226011169-16	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor C200 - Row 8: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.3%				
ET5402AI10A 10	226011169-17	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor 179 - Row 10: Yellow Carpet Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 27%				
ET5402AI10B 10	226011169-18	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor C200 - Row 10: Yellow Carpet Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 40%				
ET5402AI11A 11	226011169-19	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 179 - Row 11: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI11B 11	226011169-20	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Room 169 - Row 11: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI11C 11 **Location:** Room 169 - Row 11: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-21	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI11D 11 **Location:** Corridor C200 - Row 11: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-22	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI11E 11 **Location:** Corridor C200 - Row 11: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-23	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI11F 11 **Location:** Room 309 - Row 11: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-24	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI11G 11 **Location:** Room 309 - Row 11: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-25	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI12A 12 **Location:** Corridor 179 - Row 12: White Skim Coat Wall Plaster Row 11 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-26	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI12B 12 **Location:** Room 169 - Row 12: White Skim Coat Wall Plaster Row 11 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-27	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI12C 12 **Location:** Room 169 - Row 12: White Skim Coat Wall Plaster Row 11 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-28	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI12D 12 **Location:** Corridor C200 - Row 12: White Skim Coat Wall Plaster Row 11 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-29	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI12E 12 **Location:** Corridor C200 - Row 12: White Skim Coat Wall Plaster Row 11 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-30	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI12F 12 **Location:** Room 309 - Row 12: White Skim Coat Wall Plaster Row 11 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-31	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI12G 12 **Location:** Room 309 - Row 12: White Skim Coat Wall Plaster Row 11 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-32	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI13A 13 **Location:** Corridor 179 - Row 13: Brown Fibrous Board **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90%, Non-fibrous 10%	226011169-33	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI13B 13 **Location:** Corridor 179 - Row 13: Brown Fibrous Board **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90%, Non-fibrous 10%	226011169-34	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI14A 14	226011169-35	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 174 - Row 14: Off-White Rough Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 76%				
ET5402AI14B 14	226011169-36	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 213 - Row 14: Off-White Rough Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 81%				
ET5402AI16A 16	226011169-37	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 177 - Row 16: Black 6-Inch Cove Base **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.6%				
ET5402AI16B 16	226011169-38	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 184 - Row 16: Black 6-Inch Cove Base **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9%				
ET5402AI17A 17	226011169-39	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 177 - Row 17: Tan Adhesive Row 16 **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 14%				
ET5402AI17B 17	226011169-40	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 184 - Row 17: Tan Adhesive Row 16 **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 13%				
ET5402AI18A 18	226011169-41	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 177 - Row 18: Yellow Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43%				

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI18B 18 **Location:** Classroom 184 - Row 18: Yellow Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 33%	226011169-42	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI19A 19 **Location:** South Exterior - Row 19: Dark Gray Adhesive Row 4 Row 159 **Analyst Description:** Dark Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.0% **Other Material:** Non-fibrous 21%	226011169-43	***Yes***	3.0% (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	
ET5402AI19B 19 **Location:** South Exterior - Row 19: Dark Gray Adhesive Row 4 Row 159 **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**	226011169-44		NA/PS	
ET5402AI20A 20 **Location:** Classroom 177 / 178 - Row 20: Black Fibrous Board **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.4%	226011169-45	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI20B 20 **Location:** Classroom 205A - Row 20: Black Fibrous Board **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.2%	226011169-46	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI21A 21 **Location:** Classroom 177 / 178 - Row 21: Gray Window Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.3%	226011169-47	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI21B 21 **Location:** Classroom 205A - Row 21: Gray Window Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.1%	226011169-48	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI22A 22	226011169-49	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Elevator 168 - Row 22: Yellow Floor Tile Associated Yellow Mastic Row 110 **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.6%				
ET5402AI22B 22	226011169-50	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Elevator 168 - Row 22: Yellow Floor Tile Associated Yellow Mastic Row 110 **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5%				
ET5402AI23A 23	226011169-51	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 177 / 178 - Row 26: Clear Caulk **Analyst Description:** Clear, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.2%				
ET5402AI23B 23	226011169-52	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 177 / 178 - Row 26: Clear Caulk **Analyst Description:** Clear, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.2%				
ET5402AI24A 24	226011169-53	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 177 / 178 - Row 24: Black Window Butyl **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10%				
ET5402AI24B 24	226011169-54	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 205A - Row 24: Black Window Butyl **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11%				
ET5402AI25A 25	226011169-55	***Yes***	3.2% (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 25: White Door Lite Butyl **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.2% **Other Material:** Non-fibrous 4.7%				

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI25B 25	226011169-56		NA/PS	
Location: Stair 211 - Row 25: White Door Lite Butyl **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**				
ET5402AI26A 26	226011169-57	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 26: White Door Frame Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.4%				
ET5402AI26B 26	226011169-58	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 26: White Door Frame Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.5%				
ET5402AI27A 27	226011169-59	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 176 - Row 27: Off-White Gypsum Board **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI27B 27	226011169-60	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Guidance 215 - Row 27: Off-White Gypsum Board **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI28A 28	226011169-61	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 176 - Row 28: Tan Gypsum Wall Board Associated Tan Seam Tape Row 27 **Analyst Description:** Off-White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				
ET5402AI28B 28	226011169-62	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: OT / PT - Row 28: Tan Gypsum Wall Board Associated Tan Seam Tape Row 27 **Analyst Description:** Off-White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI29A 29	226011169-63	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 176 - Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI29B 29	226011169-64	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Guidance - Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI29C 29	226011169-65	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: OT / PT - Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI30A 30	226011169-66	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 30: Light Gray 4-Inch Cove Base **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.3%				
ET5402AI30B 30	226011169-67	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 30: Light Gray 4-Inch Cove Base **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.9%				
ET5402AI31A 31	226011169-68	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 31: Beige Adhesive Associated With Row 30 **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.5%				

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI31B 31	226011169-69	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 31: Beige Adhesive Associated With Row 30 **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.9%				
ET5402AI32A 32	226011169-70	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet G311T - Row 32: White Fixtured Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.7%				
ET5402AI32B 32	226011169-71	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 207A - Row 32: White Fixtured Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.1%				
ET5402AI33A 33	226011169-72	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Shower 110 - Row 33: Off-White Gypsum Ceiling Board **Analyst Description:** Brown/White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Non-fibrous 80%				
ET5402AI33B 33	226011169-73	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Shower 110 - Row 33: Off-White Gypsum Ceiling Board **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Non-fibrous 80%				
ET5402AI35A 35	226011169-74	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Shower 110 - Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI35B 35	226011169-75	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Shower 110 - Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI35C 35	226011169-76	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Shower 110 - Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI36A 36	226011169-77	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 36: Brown Door Frame Caulk **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.6%				
ET5402AI36B 36	226011169-78	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 176 - Row 36: Brown Door Frame Caulk **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.6%				
ET5402AI37A 37	226011169-79	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet G311TA - Row 37: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI37B 37	226011169-80	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet B311TA - Row 37: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI38A 38	226011169-81	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 214 - Row 38: Gray CWT Mortar Row 37 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI38B 38	226011169-82	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet B311TA - Row 38: Gray CWT Mortar Row 37 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI39A 39	226011169-83	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet B311TA - Row 39: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI39B 39	226011169-84	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 214 - Row 39: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI40A 40	226011169-85	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet B311TA - Row 40: Gray CFT Mortar Row 39 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI40B 40	226011169-86	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet G311TA - Row 40: Gray CFT Mortar Row 39 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI41A 41	226011169-87	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 175A - Row 41: Black Adhesive **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 34%				
ET5402AI41B 41	226011169-88	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 175A - Row 41: Black Adhesive **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 45%				
ET5402AI42A 42	226011169-89	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 175A - Row 42: Gray Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI42B 42	226011169-90	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 175A - Row 42: Gray Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI43A 43	226011169-91	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 175A - Row 43: Off-White Fixture Caulk **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.0%				
ET5402AI43B 43	226011169-92	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 175A - Row 43: Off-White Fixture Caulk **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.7%				
ET5402AI44A 44	226011169-93	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 174 - Row 44: Light Gray 6-Inch Cove Base **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.4%				
ET5402AI44B 44	226011169-94	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 174 - Row 44: Light Gray 6-Inch Cove Base **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.6%				
ET5402AI45A 45	226011169-95	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 174 - Row 45: Brown Adhesive Associated With **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43%				
ET5402AI45B 45	226011169-96	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 174 - Row 45: Brown Adhesive Associated With **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI48A 48	226011169-97	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor 179 - Row 48: Gray Wallpaper **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 12%				
ET5402AI48B 48	226011169-98	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Corridor C200 - Row 48: Gray Wallpaper **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 16%				
ET5402AI49A 49	226011169-99	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 49: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI49B 49	226011169-100	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 49: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI49C 49	226011169-101	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 49: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI49D 49	226011169-102	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 49: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI49E 49	226011169-103	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor C200 - Row 49: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI49F 49	226011169-104	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor C200 - Row 49: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI49G 49	226011169-105	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 312 - Row 49: Gray Base Coat Wall Plaster **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI50A 50	226011169-106	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 50: White Skim Coat Wall Plaster Row 49 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI50B 50	226011169-107	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 50: White Skim Coat Wall Plaster Row 49 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI50C 50	226011169-108	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 50: White Skim Coat Wall Plaster Row 49 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI50D 50	226011169-109	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 50: White Skim Coat Wall Plaster Row 49 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI50E 50	226011169-110	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor C200 - Row 50: White Skim Coat Wall Plaster Row 49 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI50F 50	226011169-111	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor C200 - Row 50: White Skim Coat Wall Plaster Row 49 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI50G 50	226011169-112	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 312 - Row 50: White Skim Coat Wall Plaster Row 49 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI51A 51	226011169-113	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodail 169 - Row 51: Off-White Gupsum Wall Board **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI51B 51	226011169-114	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodail 169 - Row 51: Off-White Gupsum Wall Board **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI53A 53	226011169-115	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Faculty Room 170 - Row 63: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10%				
ET5402AI53B 53	226011169-116	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 171 - Row 53: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.8%				
ET5402AI54A 54	226011169-117	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Copy 173 - Row 54: Black 4-Inch Cove Base **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.5%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI54B 54 **Location:** Band 133 - Row 54: Black 4-Inch Cove Base **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.5%	226011169-118	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI55A 55 **Location:** Copy 173 - Row 55: Tan Cove Base Associated Tan Adhesive **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 35%	226011169-119	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI55B 55 **Location:** Band 133 - Row 55: Tan Cove Base Associated Tan Adhesive **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42%	226011169-120	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI56A 56 **Location:** Faculty Room 170 - Row 56: Gray Sink Coating **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 44%	226011169-121	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI56B 56 **Location:** Classroom 164 - Row 56: Gray Sink Coating **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 40%	226011169-122	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI57A 57 **Location:** Custodial 169 - Row 57: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-123	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI57B 57 **Location:** Custodial 169 - Row 57: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-124	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

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ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI58A 58	226011169-125	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 58: Gray CWT Mortar Row 57 **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI58B 58	226011169-126	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 58: Gray CWT Mortar Row 57 **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI59A 59	226011169-127	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 59: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI59B 59	226011169-128	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 59: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI60A 60	226011169-129	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 60: Gray CFT Mortar Row 59 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI60B 60	226011169-130	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 60: Gray CFT Mortar Row 59 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI61A 61	226011169-131	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Custodial 169 - Row 61: White 2- By 4-Foot Fissured And Pinhole Ceiling Tile **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 49%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI61B 61	226011169-132	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Passage 146A - Row 61: White 2- By 4-Foot Fissured And Pinhole Ceiling Tile **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43%				
ET5402AI62A 62	226011169-133	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 62: Gray Cementitious Wall Patch **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI62B 62	226011169-134	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 62: Gray Cementitious Wall Patch **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI62C 62	226011169-135	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 169 - Row 62: Gray Cementitious Wall Patch **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI63A 63	226011169-136	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Custodial 169 - Row 63: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.5%				
ET5402AI63B 63	226011169-137	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Custodial 169 - Row 63: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.2%				
ET5402AI64A 64	226011169-138	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Custodial 169 - Row 64: Beige Adhesive **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.6%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI64B 64 **Location:** Custodial 169 - Row 64: Beige Adhesive **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.2%	226011169-139	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI65A 65 **Location:** Corridor C200 - Row 65: White Fire Stop Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.0%	226011169-140	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI65B 65 **Location:** Corridor C200 - Row 65: White Fire Stop Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.3%	226011169-141	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI66A 66 **Location:** Corridor 154A - Row 66: Red Fire Stop Sealant **Analyst Description:** Red, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.1%	226011169-142	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI66B 66 **Location:** Stair 186 - Row 66: Red Fire Stop Sealant **Analyst Description:** Red, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.8%	226011169-143	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI67A 67 **Location:** Corridor 154 - Row 67: Off-White 2- By 4-Foot Textured Ceiling **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.2%	226011169-144	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI67B 67 **Location:** Corridor 312 - Row 67: Off-White 2- By 4-Foot Textured Ceiling **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 16%	226011169-145	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI68A 68 **Location:** Music 117 - Row 68: Gray Spray-Applied Fireproofing **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 20%, Non-fibrous 80%	226011169-146	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI68B 68 **Location:** Music 117 - Row 68: Gray Spray-Applied Fireproofing **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 20%, Non-fibrous 80%	226011169-147	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI68C 68 **Location:** Boys Locker 108 - Row 68: Gray Spray-Applied Fireproofing **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 40%, Non-fibrous 60%	226011169-148	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI68D 68 **Location:** Boys Locker 108 - Row 68: Gray Spray-Applied Fireproofing **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 40%, Non-fibrous 60%	226011169-149	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI68E 68 **Location:** Girls Locker 136B - Row 68: Gray Spray-Applied Fireproofing **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 50%, Non-fibrous 50%	226011169-150	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI68F 68 **Location:** Girls Locker 136B - Row 68: Gray Spray-Applied Fireproofing **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 50%, Non-fibrous 50%	226011169-151	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI68G 68 **Location:** Classroom 304 - Row 68: Gray Spray-Applied Fireproofing **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 50%, Non-fibrous 50%	226011169-152	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI69A 69 **Location:** Custodial 169 - Row 69: Brown CFT Adhesive Row 59 **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10%	226011169-153	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI69B 69 **Location:** Custodial 169 - Row 69: Brown CFT Adhesive Row 59 **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.5%	226011169-154	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI70A 70 **Location:** Classroom 309 - Row 70: Black Sink Coating **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 55%	226011169-155	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI70B 70 **Location:** Classroom 301 - Row 70: Black Sink Coating **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 53%	226011169-156	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI72A 72 **Location:** Classroom 165 - Row 72: Black Caulk **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.1%	226011169-157	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI72B 72 **Location:** Stair 100 - Row 72: Black Caulk **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.8%	226011169-158	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI73A 73 **Location:** Classroom 164 - Row 73: Beige 12- By 12-Inch Streaked Floor Tile **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 7.0% **Other Material:** Non-fibrous 56%	226011169-159	***Yes***	7.0% (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI73B 73	226011169-160		NA/PS	
Location: Classroom 164 - Row 73: Beige 12- By 12-Inch Streaked Floor Tile **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**				
ET5402AI74A 74	226011169-161	***Yes***	Inconclusive - Trace Chrysotile detected at 1% or less (NOB by EPA 600/M4-82-020) by Bo Sun on 01/09/26	*2*
Location: Classroom 164 - Row 74: Black Floor Tile Associated Black Mastic Row 73 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.3 % pc **Other Material:** Non-fibrous 41%				
ET5402AI74B 74	226011169-162	***Yes***	Inconclusive - Trace Chrysotile detected at 1% or less (NOB by EPA 600/M4-82-020) by Bo Sun on 01/09/26	*2*
Location: Classroom 164 - Row 74: Black Floor Tile Associated Black Mastic Row 73 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.3 % pc **Other Material:** Non-fibrous 36%				
ET5402AI75A 75	226011169-163	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Classroom 164 - Row 75: Gray Floor Filler **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI75B 75	226011169-164	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Classroom 164 - Row 75: Gray Floor Filler **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI77A 77	226011169-165	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 77: Off-White 12- By 12-Inch Speckled Floor Tile. **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 54%				
ET5402AI77B 77	226011169-166	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 77: Off-White 12- By 12-Inch Speckled Floor Tile **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI78A 78	226011169-167	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 78: Black Floor Tile Associated Black Mastic Row 77 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 33%				
ET5402AI78B 78	226011169-168	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 78: Black Floor Tile Associated Black Mastic Row 77 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 41%				
ET5402AI79A 79	226011169-169	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 79: Brown 6-Inch Cove Base **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 52%				
ET5402AI79B 79	226011169-170	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 79: Brown 6-Inch Cove Base **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 52%				
ET5402AI80A 80	226011169-171	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 80: Brown Adhesive Associated With Row 79 **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 36%				
ET5402AI80B 80	226011169-172	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 164 - Row 80: Brown Adhesive Associated With Row 79 **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 41%				
ET5402AI81A 81	226011169-173	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 81: Gray Base Coat Ceiling Plaster Row 81 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI81B 81	226011169-174	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 81: Gray Base Coat Ceiling Plaster Row 81 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI81C 81	226011169-175	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 81: Gray Base Coat Ceiling Plaster Row 81 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI81D 81	226011169-176	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 81: Gray Base Coat Ceiling Plaster Row 81 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI81E 81	226011169-177	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 210 - Row 81: Gray Base Coat Ceiling Plaster Row 81 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI82A 82	226011169-178	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 82: White Skin Coat Ceiling Plaster Row 81 **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI82B 82	226011169-179	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 82: White Skin Coat Ceiling Plaster Row 81 **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI82C 82	226011169-180	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 82: White Skin Coat Ceiling Plaster Row 81 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI82D 82	226011169-181	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 82: White Skin Coat Ceiling Plaster Row 81 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI82E 82	226011169-182	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 210 - Row 82: White Skin Coat Ceiling Plaster Row 81 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI83A 83	226011169-183	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 154 - Row 83: Off-White Speckled Terrazzo **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI83B 83	226011169-184	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Lobby 149 - Row 83: Off-White Speckled Terrazzo **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI84A 84	226011169-185	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 154 - Row 84: Gray Mortar Row 83 **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI84B 84	226011169-186	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Lobby 149 - Row 84: Gray Mortar Row 83 **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI85A 85	226011169-187	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 154 - Row 85: Off-White Speckled Terrazzo **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI85B 85	226011169-188	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Lobby 149 - Row 85: Off-White Speckled Terrazzo **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI86A 86	226011169-189	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Corridor 154 - Row 86: Gray Mortar **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI86B 86	226011169-190	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Lobby 149 - Row 86: Gray Mortar **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI87A 87	226011169-191	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 100 - Row 87: White Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI87B 87	226011169-192	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Stair 186 - Row 87: White Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI88A 88	226011169-193	***Yes***	Inconclusive - Trace Anthophyllite detected at 1% or less (NOB by EPA 600/M4-82-020) by Bo Sun on 01/09/26	*2*
Location: Stair 100 - Row 88: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Anthophyllite <0.3 % pc **Other Material:** Non-fibrous 26%				
ET5402AI88B 88	226011169-194	***Yes***	Inconclusive - Trace Anthophyllite detected at 1% or less (NOB by EPA 600/M4-82-020) by Bo Sun on 01/09/26	*2*
Location: Stair 186 - Row 88: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Anthophyllite <0.3 % pc **Other Material:** Non-fibrous 27%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI89A 89	226011169-195	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boys Locker 108 - Row 89: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI89B 89	226011169-196	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Laundry 144 - Row 89: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI90A 90	226011169-197	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boys Locker 108 - Row 90: Gray CFT Mortar Row 89 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI90B 90	226011169-198	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Laundry 144 - Row 90: Gray CFT Mortar Row 89 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI91A 91	226011169-199	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 181T - Row 91: Off-White 1- By 1-Food Fissured And Pinhole Ceiling Tile **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 36%				
ET5402AI91B 91	226011169-200	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 183T - Row 91: Off-White 1- By 1-Food Fissured And Pinhole Ceiling Tile **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31%				
ET5402AI92A 92	226011169-201	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 181T - Row 92: White Adhesive Associated With **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 20%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI92B 92 **Location:** Toilet 183T - Row 92: White Adhesive Associated With **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31%	226011169-202	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI93A 93 **Location:** Classroom 183 - Row 93: Gray Gasket **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.2%	226011169-203	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI93B 93 **Location:** Classroom 312 - Row 93: Gray Gasket **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.8%	226011169-204	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI95A 95 **Location:** Classroom 185 - Row 95: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-205	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI95B 95 **Location:** Classroom 185 - Row 95: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-206	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI96A 96 **Location:** Classroom 185 - Row 96: Gray CFT Mortar Row 95 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-207	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI96B 96 **Location:** Classroom 185 - Row 96: Gray CFT Mortar Row 95 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-208	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI97A 97	226011169-209	***Yes***	Inconclusive - Trace Chrysotile detected at 1% or less (NOB by EPA 600/M4-82-020) by Bo Sun on 01/09/26	*2*
Location: Stair 100 - Row 97: Off-White Door Lite Butyl **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.3 % pc **Other Material:** Non-fibrous 5.8%				
ET5402AI97B 97	226011169-210	***Yes***	Inconclusive - Trace Chrysotile detected at 1% or less (NOB by EPA 600/M4-82-020) by Bo Sun on 01/09/26	*2*
Location: Stair 186 - Row 97: Off-White Door Lite Butyl **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.3 % pc **Other Material:** Non-fibrous 11%				
ET5402AI99A 99	226011169-211	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 207A - Row 99: White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Yellow/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30%, Fibrous glass 60%, Non-fibrous 10%				
ET5402AI99B 99	226011169-212	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 207A - Row 99: White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Yellow/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30%, Fibrous glass 60%, Non-fibrous 10%				
ET5402AI99C 99	226011169-213	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 214A - Row 99: White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%				
ET5402AI100A 100	226011169-214	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 207A - Row 100: White Pipe TSI End Sealant Row 99 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 32%				
ET5402AI100B 100	226011169-215	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 207A - Row 100: White Pipe TSI End Sealant Row 99 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 40%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI100C 100	226011169-216	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 214A - Row 100: White Pipe TSI End Sealant Row 99 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 35%				
ET5402AI101A 101	226011169-217	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 207 - Row 101: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI101B 101	226011169-218	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Toilet 214 - Row 101: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI102A 102	226011169-219	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 207 - Row 102: Beige CWT Adhesive **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.3%				
ET5402AI102B 102	226011169-220	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet 214 - Row 102: Beige CWT Adhesive **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.7%				
ET5402AI103A 103	226011169-221	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet B311TA - Row 103: White 2- By 4-Foot Smooth Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 53%				
ET5402AI103B 103	226011169-222	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet G311TA - Row 103: White 2- By 4-Foot Smooth Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 52%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI105A 105	226011169-223	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Classroom 205A - Row 105: Clear Caulk **Analyst Description:** Clear, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.8%				
ET5402AI105B 105	226011169-224	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Toilet G311TA - Row 105: Clear Caulk **Analyst Description:** Clear, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 20%				
ET5402AI108A 108	226011169-225	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Cafetorium 130 - Row 108: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI108B 108	226011169-226	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Custodial 119 - Row 108: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI110A 110	226011169-227	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Elevator 168 - Row 110: Off-White 12- By 12-Inch Mottled Floor Tile **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 41%				
ET5402AI110B 110	226011169-228	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Elevator 168 - Row 110: Off-White 12- By 12-Inch Mottled Floor Tile **Analyst Description:** Off-White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42%				
ET5402AI112A 112	226011169-229	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Office 307B - Row 112: Yellow Carpet Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 40%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI112B 112 **Location:** Office 307B - Row 112: Yellow Carpet Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 41%	226011169-230	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI113A 113 **Location:** Pipe Tunnel - Row 113: Gray HVAC Seam Sealant **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 18%	226011169-231	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI113B 113 **Location:** Pipe Tunnel - Row 113: Gray HVAC Seam Sealant **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 14%	226011169-232	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI114A 114 **Location:** Stair B5 - Row 114: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-233	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI114B 114 **Location:** Stair B5 - Row 114: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-234	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI115A 115 **Location:** Lobby 149 - Row 115: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-235	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI115B 115 **Location:** Corridor 142 - Row 115: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-236	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI117A 117	226011169-237	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Lobby 149 - Row 117: Brown 4-Inch Cove Base **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.6%				
ET5402AI117B 117	226011169-238	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Nurses 151 - Row 117: Brown 4-Inch Cove Base **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.3%				
ET5402AI118A 118	226011169-239	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Lobby 149 - Row 118: Tan Cove Base Associated Tand Adhesive Row 117 **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 24%				
ET5402AI118B 118	226011169-240	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Nurse 151 - Row 118: Tan Cove Base Associated Tand Adhesive Row 117 **Analyst Description:** Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 25%				
ET5402AI119A 119	226011169-241	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 119: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI119B 119	226011169-242	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 119: White CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI120A 120	226011169-243	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 120: Off-White CWT Adhesive **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI120B 120	226011169-244	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 120: Off-White CWT Adhesive **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI121A 121	226011169-245	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 121: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI121B 121	226011169-246	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 121: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI122A 122	226011169-247	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 122: Gray CFT Mortar Row 121 **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI122B 122	226011169-248	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Passage 146A - Row 122: Gray CFT Mortar Row 121 **Analyst Description:** Gray/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI123A 123	226011169-249	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Girls 146 - Row 123: Gray CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI123B 123	226011169-250	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Girls 146 - Row 123: Gray CWT Grout **Analyst Description:** White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI124A 124 **Location:** Girls 146 - Row 124: Brown CWT Adhesive **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.6%	226011169-251	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI124B 124 **Location:** Girls 146 - Row 124: Brown CWT Adhesive **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.3%	226011169-252	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI125A 125 **Location:** Girls 146 - Row 125: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-253	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI125B 125 **Location:** Girls 146 - Row 125: Gray CFT Grout **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-254	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI126A 126 **Location:** Girls 146 - Row 126: Gray CFT Mortar Row 125"NOB Material Submitted" **Analyst Description:** Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.2%	226011169-255	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI126B 126 **Location:** Girls 146 - Row 126: Gray CFT Mortar Row 125"NOB Material Submitted" **Analyst Description:** Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.7%	226011169-256	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI127A 127 **Location:** Boys 143 - Row 127: Gray Base Coat Ceiling Plaster **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%	226011169-257	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI127B 127 **Location:** Boys 143 - Row 127: Gray Base Coat Ceiling Plaster **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%	226011169-258	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI127C 127 **Location:** Boys 143 - Row 127: Gray Base Coat Ceiling Plaster **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%	226011169-259	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI127D 127 **Location:** Girls 146 - Row 127: Gray Base Coat Ceiling Plaster **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%	226011169-260	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI127E 127 **Location:** Girls 146 - Row 127: Gray Base Coat Ceiling Plaster **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%	226011169-261	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI127F 127 **Location:** Girls 146 - Row 127: Gray Base Coat Ceiling Plaster **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%	226011169-262	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI127G 127 **Location:** Library 155 - Row 127: Gray Base Coat Ceiling Plaster **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	226011169-263	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI128A 128 **Location:** Boys 143 - Row 128: Beige Skim Coat Ceiling Plaster Row 127 **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	226011169-264	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI128B 128	226011169-265	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boys 143 - Row 128: Beige Skim Coat Ceiling Plaster Row 127 **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%				
ET5402AI128C 128	226011169-266	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boys 143 - Row 128: Beige Skim Coat Ceiling Plaster Row 127 **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%				
ET5402AI128D 128	226011169-267	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Girls 146 - Row 128: Beige Skim Coat Ceiling Plaster Row 127 **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%				
ET5402AI128E 128	226011169-268	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Girls 146 - Row 128: Beige Skim Coat Ceiling Plaster Row 127 **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%				
ET5402AI128F 128	226011169-269	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Girls 146 - Row 128: Beige Skim Coat Ceiling Plaster Row 127 **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%				
ET5402AI128G 128	226011169-270	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Library 155 - Row 128: Beige Skim Coat Ceiling Plaster Row 127 **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%				
ET5402AI129A 129	226011169-271	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Band 133 - Row 129: Yellow Carpet Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI129B 129	226011169-272	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Music 177 - Row 129: Yellow Carpet Adhesive **Analyst Description:** Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 33%				
ET5402AI130A 130	226011169-273	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Cafetorium 131 - Row 130: Blue Stage Curtain **Analyst Description:** Blue/Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 97%, Non-fibrous 3.0%				
ET5402AI130B 130	226011169-274	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Cafetorium 131 - Row 130: Blue Stage Curtain **Analyst Description:** Blue/Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 97%, Non-fibrous 3.0%				
ET5402AI131A 131	226011169-275	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Cafetorium 131 - Row 131: White Textured Wallboard **Analyst Description:** Brown/White, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Non-fibrous 20%				
ET5402AI131B 131	226011169-276	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Gym 130 - Row 131: White Textured Wallboard **Analyst Description:** Brown/White, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Non-fibrous 20%				
ET5402AI132A 132	226011169-277	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Cafetorium 131 - Row 132: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI132B 132	226011169-278	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Girls Locker 135B - Row 132: Gray Block Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI133A 133	226011169-279	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Storage 121 - Row 133: Off-White Refractory Brick **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI133B 133	226011169-280	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Storage 121 - Row 133: Off-White Refractory Brick **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5402AI134A 134	226011169-281	***Yes***	4.2% (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	
Location: Gym 130 - Row 134: Brown Adhesive Associated With Row 133 Row 131 **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 4.2% **Other Material:** Non-fibrous 17%				
ET5402AI134B 134	226011169-282		NA/PS	
Location: Gym 130 - Row 134: Brown Adhesive Associated With Row 133 Row 131 **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**				
ET5402AI136A 136	226011169-283	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 136: White 12-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%				
ET5402AI136B 136	226011169-284	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 136: White 12-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 85%, Fibrous glass 10%, Non-fibrous 5.0%				
ET5402AI136C 136	226011169-285	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 136: White 12-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90%, Fibrous glass 5.0%, Non-fibrous 5.0%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI137A 137 **Location:** Boiler Room - Row 137: White Pipe TSI End Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 50%	226011169-286	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI137B 137 **Location:** Boiler Room - Row 137: White Pipe TSI End Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 54%	226011169-287	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI137C 137 **Location:** Boiler Room - Row 137: White Pipe TSI End Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 56%	226011169-288	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI138A 138 **Location:** Boiler Room - Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket **Analyst Description:** Silver/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50%, Fibrous glass 15%, Non-fibrous 35%	226011169-289	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI138B 138 **Location:** Boiler Room - Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket **Analyst Description:** Silver/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50%, Fibrous glass 10%, Non-fibrous 40%	226011169-290	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI138C 138 **Location:** Boiler Room - Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket **Analyst Description:** Silver/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50%, Fibrous glass 10%, Non-fibrous 40%	226011169-291	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI139A 139 **Location:** Boiler Room - Row 139: White Pipe TSI End Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 27%	226011169-292	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI139B 139	226011169-293	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Boiler Room - Row 139: White Pipe TSI End Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 24%				
ET5402AI139C 139	226011169-294	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Boiler Room - Row 139: White Pipe TSI End Sealant **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 18%				
ET5402AI140A 140	226011169-295	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket **Analyst Description:** Silver/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 45%, Fibrous glass 15%, Non-fibrous 40%				
ET5402AI140B 140	226011169-296	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket **Analyst Description:** Silver/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 45%, Fibrous glass 20%, Non-fibrous 35%				
ET5402AI140C 140	226011169-297	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket **Analyst Description:** Silver/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50%, Fibrous glass 10%, Non-fibrous 40%				
ET5402AI141A 141	226011169-298	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Boiler Room - Row 141: Black Tar Row 138 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.5%				
ET5402AI141B 141	226011169-299	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Boiler Room - Row 141: Black Tar Row 138 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.1%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI141C 141	226011169-300	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Boiler Room - Row 141: Black Tar Row 138 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.5%				
ET5402AI147A 147	226011169-301	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 147: White Tank TSI Jacket **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				
ET5402AI147B 147	226011169-302	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 147: White Tank TSI Jacket **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				
ET5402AI147C 147	226011169-303	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 147: White Tank TSI Jacket **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				
ET5402AI148A 148	226011169-304	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 148: Light Gray Tank TSI Row 147 **Analyst Description:** Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%				
ET5402AI148B 148	226011169-305	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 148: Light Gray Tank TSI Row 147 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%				
ET5402AI148C 148	226011169-306	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 148: Light Gray Tank TSI Row 147 **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10%, Non-fibrous 90%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI149A 149	226011169-307	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 149: Silver HVAC TSI Jacket **Analyst Description:** Yellow/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Fibrous glass 60%, Non-fibrous 20%				
ET5402AI149B 149	226011169-308	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 149: Silver HVAC TSI Jacket **Analyst Description:** Silver/Yellow, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Fibrous glass 60%, Non-fibrous 20%				
ET5402AI149C 149	226011169-309	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 149: Silver HVAC TSI Jacket **Analyst Description:** Yellow/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90%, Non-fibrous 10%				
ET5402AI151A 151	226011169-310	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Yellow/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 25%, Non-fibrous 5.0%				
ET5402AI151B 151	226011169-311	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Yellow/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 15%, Non-fibrous 5.0%				
ET5402AI151C 151	226011169-312	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Boiler Room - Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket **Analyst Description:** White/Yellow/Silver, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%				
ET5402AI153A 153	226011169-313	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: South Exterior - Row 153: Light Gray Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI153B 153 **Location:** South Exterior - Row 153: Light Gray Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-314	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI154A 154 **Location:** South Exterior - Row 154: Gray Mortar Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-315	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI154B 154 **Location:** South Exterior - Row 154: Gray Mortar Mortar **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-316	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI155A 155 **Location:** South Exterior - Row 155: Beige Surfacing Coat **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-317	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI155B 155 **Location:** South Exterior - Row 155: Beige Surfacing Coat **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-318	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI155C 155 **Location:** South Exterior - Row 155: Beige Surfacing Coat **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	226011169-319	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI156A 156 **Location:** North Exterior - Row 156: Black Tar **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 7.0% **Other Material:** Non-fibrous 22%	226011169-320	***Yes***	7.0% (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI156B 156 **Location:** North Exterior - Row 156: Black Tar **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**	226011169-321		NA/PS	
ET5402AI157A 157 **Location:** South Exterior - Row 157: Dark Gray Window Frame Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.8%	226011169-322	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI157B 157 **Location:** South Exterior - Row 157: Dark Gray Window Frame Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.1%	226011169-323	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI158A 158 **Location:** South Exterior - Row 158: Black Window Butyl **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.7%	226011169-324	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI158B 158 **Location:** South Exterior - Row 158: Black Window Butyl **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5%	226011169-325	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI160A 160 **Location:** South Exterior - Row 160: Dark Gray Caulk **Analyst Description:** Dark Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.6%	226011169-326	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI160B 160 **Location:** South Exterior - Row 160: Dark Gray Caulk **Analyst Description:** Dark Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.3%	226011169-327	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI161A 161 **Location:** South Exterior - Row 161: Beige Expansion Joint Caulk **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.9%	226011169-328	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI161B 161 **Location:** South Exterior - Row 161: Beige Expansion Joint Caulk **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.6%	226011169-329	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI162A 162 **Location:** OT Office 139 - Row 162: White 2-Foot Smooth Ceiling Tile **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 50%	226011169-330	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI162B 162 **Location:** Kitchen 128 - Row 162: White 2-Foot Smooth Ceiling Tile **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 47%	226011169-331	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI163A 163 **Location:** Boys Locker 108 - Row 163: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 26%	226011169-332	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI163B 163 **Location:** Boys Locker 108 - Row 163: White Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 18%	226011169-333	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI164A 164 **Location:** Motor Lab 135 - Row 164: Beige Carpet Adhesive **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 46%	226011169-334	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI164B 164	226011169-335	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Motor Lab 135 - Row 164: Beige Carpet Adhesive **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38%				
ET5402AI166A 166	226011169-336	***Yes***	2.5% (EPA 600/M4-82-020) by Bo Sun on 01/09/26	
Location: Stair 185 - Row 166: White Door Insulation **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 2.5% **Other Material:** Cellulose 5.0%, Non-fibrous 92%				
ET5402AI166B 166	226011169-337		NA/PS	
Location: Stair 185 - Row 166: White Door Insulation **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**				
ET5402AI166C 166	226011169-338		NA/PS	
Location: Stair 186 - Row 166: White Door Insulation **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**				
ET5402AI167A 167	226011169-339	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Room 147A - Row 167: Brown Door Insulation **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				
ET5402AI167B 167	226011169-340	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Room 147A - Row 167: Brown Door Insulation **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				
ET5402AI167C 167	226011169-341	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Room 147A - Row 167: Brown Door Insulation **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95%, Non-fibrous 5.0%				

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI168A 168	226011169-342	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Pipe Tunnel - Row 168: Black Vibration Damping Cloth **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5%				
ET5402AI168B 168	226011169-343	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Pipe Tunnel - Row 168: Black Vibration Damping Cloth **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.9%				
ET5402AI171A 171	226011169-344	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Roof 1 - Row 171: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.6%				
ET5402AI171B 171	226011169-345	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Roof 1 - Row 171: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.1%				
ET5402AI172A 172	226011169-346	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Roof 1 - Row 172: White Gypsum Board Row 171 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI172B 172	226011169-347	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
Location: Roof 1 - Row 172: White Gypsum Board Row 171 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI173A 173	226011169-348	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
Location: Roof 1 - Row 173: Black Insulation Backing Paper Row 171 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9%				

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI173B 173 **Location:** Roof 1 - Row 173: Black Insulation Backing Paper Row 171 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.6%	226011169-349	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI174A 174 **Location:** Roof 1 - Row 174: Black Insulation Backing Paper Row 171 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.5%	226011169-350	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI174B 174 **Location:** Roof 1 - Row 174: Black Insulation Backing Paper Row 171 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.6%	226011169-351	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI175A 175 **Location:** Roof 1 - Row 175: Black Roof Vapor Barrier Row 171 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.7%	226011169-352	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI175B 175 **Location:** Roof 1 - Row 175: Black Roof Vapor Barrier Row 171 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.6%	226011169-353	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI176A 176 **Location:** Roof 1 - Row 176: Black Roof Flashing Tar Row 171 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 1.9% **Other Material:** Non-fibrous 2.9%	226011169-354	***Yes***	1.9% (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	
ET5402AI176B 176 **Location:** Roof 1 - Row 176: Black Roof Flashing Tar Row 171 **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**	226011169-355		NA/PS	

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI177A 177 **Location:** Roof 2 - Row 177: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.5%	226011169-356	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI177B 177 **Location:** Roof 2 - Row 177: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.5%	226011169-357	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/09/26	*1*
ET5402AI178A 178 **Location:** Roof 2 - Row 178: White Gypsum Board 180 Row 177 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%	226011169-358	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/09/26	
ET5402AI178B 177 **Location:** Roof 2 - Row 178: White Gypsum Board 180 Row 177 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%	226011169-359	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI179A 179 **Location:** Roof 2 - Row 179: Black Insulation Backing Paper Row 177 **Analyst Description:** Black/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40%, Fibrous glass 5.0%, Non-fibrous 55%	226011169-360	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI179B 179 **Location:** Roof 2 - Row 179: Black Insulation Backing Paper Row 177 **Analyst Description:** Black/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30%, Fibrous glass 5.0%, Non-fibrous 65%	226011169-361	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI180A 180 **Location:** Roof 2 - Row 180: Black Insulation Backing Paper Row 177 **Analyst Description:** Black/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30%, Fibrous glass 10%, Non-fibrous 60%	226011169-362	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI180B 180	226011169-363	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 2 - Row 180: Black Insulation Backing Paper Row 177 **Analyst Description:** Black/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 25%, Fibrous glass 5.0%, Non-fibrous 70%				
ET5402AI181A 181	226011169-364	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 2 - Row 181: Black Roofing Vapor Barrier Row 177 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 23%				
ET5402AI181B 181	226011169-365	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 2 - Row 181: Black Roofing Vapor Barrier Row 177 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 19%				
ET5402AI182A 182	226011169-366	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 2 - Row 182: Black Roof Flashing Tar Row 177 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.0%				
ET5402AI182B 182	226011169-367	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 2 - Row 182: Black Roof Flashing Tar Row 177 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.0%				
ET5402AI183A 183	226011169-368	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 2 - Row 183: White Flashing Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10%				
ET5402AI183B 183	226011169-369	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 3 - Row 183: White Flashing Caulk **Analyst Description:** White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.2%				

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ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI184A 184 **Location:** Roof 4 - Row 184: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.1%	226011169-370	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI184B 184 **Location:** Roof 4 - Row 184: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.8%	226011169-371	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI185A 185 **Location:** Roof 4 - Row 185: White Gypsum Board Row 184 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Non-fibrous 80%	226011169-372	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI185B 185 **Location:** Roof 4 - Row 185: White Gypsum Board Row 184 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%	226011169-373	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI186A 186 **Location:** Roof 4 - Row 186: Black Insulation Backing Paper Row 184 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%	226011169-374	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI186B 186 **Location:** Roof 4 - Row 186: Black Insulation Backing Paper Row 184 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%	226011169-375	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI187A 187 **Location:** Roof 4 - Row 187: Black Insulation Backing Paper Row 184 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 15%, Non-fibrous 15%	226011169-376	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI187B 187	226011169-377	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 4 - Row 187: Black Insulation Backing Paper Row 184 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 5.0%, Non-fibrous 15%				
ET5402AI188A 188	226011169-378	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 4 - Row 188: Black Roof Vapor Barrier Row 184 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.7%				
ET5402AI188B 188	226011169-379	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 4 - Row 188: Black Roof Vapor Barrier Row 184 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.1%				
ET5402AI189A 189	226011169-380	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 4 - Row 189: Black Flashing Tar Row 184 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.9%				
ET5402AI189B 189	226011169-381	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 4 - Row 189: Black Flashing Tar Row 184 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.1%				
ET5402AI190A 190	226011169-382	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 5 - Row 190: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.9%				
ET5402AI190B 190	226011169-383	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 5 - Row 190: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.1%				

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI191A 191 **Location:** Roof 5 - Row 191: White Gypsum Board Row 190 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10%, Non-fibrous 90%	226011169-384	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI191B 191 **Location:** Roof 5 - Row 191: White Gypsum Board Row 190 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10%, Non-fibrous 90%	226011169-385	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI192A 192 **Location:** Roof 5 - Row 192: Black Insulation Backing Paper Row 190 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 5.0%, Non-fibrous 25%	226011169-386	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI192B 192 **Location:** Roof 5 - Row 192: Black Insulation Backing Paper Row 190 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60%, Fibrous glass 10%, Non-fibrous 30%	226011169-387	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI193A 193 **Location:** Roof 5 - Row 193: Black Insulation Backing Paper Row 190 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 5.0%, Non-fibrous 25%	226011169-388	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI193B 193 **Location:** Roof 5 - Row 193: Black Insulation Backing Paper Row 190 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 10%, Non-fibrous 10%	226011169-389	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI194A 194 **Location:** Roof 5 - Row 194: Black Roof Vapor Barrier Row 190 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.2%	226011169-390	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*

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ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI194B 194 **Location:** Roof 5 - Row 194: Black Roof Vapor Barrier Row 190 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.6%	226011169-391	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI195A 195 **Location:** Roof 5 - Row 195: Black Flashing Tar Row 190 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.0%	226011169-392	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI195B 195 **Location:** Roof 5 - Row 195: Black Flashing Tar Row 190 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.8%	226011169-393	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI196A 196 **Location:** Roof 4 - Row 196: Dark Gray Caulk **Analyst Description:** Dark, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.0%	226011169-394	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI196B 196 **Location:** Roof 1 - Row 196: Dark Gray Caulk **Analyst Description:** Dark Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.5%	226011169-395	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI197A 197 **Location:** Roof 10 - Row 197: Gray Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.8%	226011169-396	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI197B 197 **Location:** Roof 10 - Row 197: Gray Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.7%	226011169-397	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*

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PLM Bulk Asbestos Report

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI198A 198 **Location:** Roof 6 - Row 198: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.5%	226011169-398	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI198B 198 **Location:** Roof 6 - Row 198: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.2%	226011169-399	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI199A 199 **Location:** Roof 6 - Row 199: White Gypsum Board Row 198 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10%, Non-fibrous 90%	226011169-400	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI199B 199 **Location:** Roof 6 - Row 199: White Gypsum Board Row 198 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10%, Non-fibrous 90%	226011169-401	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI200A 200 **Location:** Roof 6 - Row 200: Black Insulation Backing Paper Row 198 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 5.0%, Non-fibrous 15%	226011169-402	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI200B 200 **Location:** Roof 6 - Row 200: Black Insulation Backing Paper Row 198 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 75%, Fibrous glass 5.0%, Non-fibrous 20%	226011169-403	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI201A 201 **Location:** Roof 6 - Row 201: Black Insulation Backing Paper Row 198 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 10%, Non-fibrous 20%	226011169-404	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI201B 201 **Location:** Roof 6 - Row 201: Black Insulation Backing Paper Row 198 **Analyst Description:** Black/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50%, Fibrous glass 10%, Non-fibrous 40%	226011169-405	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
ET5402AI202A 202 **Location:** Roof 6 - Row 202: Black Roof Vapor Barrier Row 198 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.7%	226011169-406	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI202B 202 **Location:** Roof 6 - Row 202: Black Roof Vapor Barrier Row 198 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.8%	226011169-407	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI203A 203 **Location:** Roof 7 - Row 203: Gray Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 46%	226011169-408	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI203B 203 **Location:** Roof 7 - Row 203: Gray Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.4%	226011169-409	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI204A 204 **Location:** Roof 8 - Row 204: Light Gray EPDM Roofing **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.3%	226011169-410	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI204B 204 **Location:** Roof 8 - Row 204: Light Gray EPDM Roofing **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.1%	226011169-411	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI205A 205	226011169-412	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 205: White Gypsum Board Row 204 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI205B 205	226011169-413	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 205: White Gypsum Board Row 204 **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10%, Non-fibrous 90%				
ET5402AI206A 206	226011169-414	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 206: Black Insulation Backing Paper Row 204 **Analyst Description:** Black/Yellow, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50%, Fibrous glass 10%, Non-fibrous 40%				
ET5402AI206B 206	226011169-415	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 206: Black Insulation Backing Paper Row 204 **Analyst Description:** Black/Yellow, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 55%, Fibrous glass 10%, Non-fibrous 35%				
ET5402AI207A 207	226011169-416	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 207: Black Insulation Backing Paper Row 204 **Analyst Description:** Black/Yellow, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50%, Fibrous glass 5.0%, Non-fibrous 45%				
ET5402AI207B 207	226011169-417	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 207: Black Insulation Backing Paper Row 204 **Analyst Description:** Black/Yellow, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60%, Fibrous glass 10%, Non-fibrous 30%				
ET5402AI208A 208	226011169-418	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 208: White Gypsum Board Row 204 **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Non-fibrous 80%				

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI208B 208	226011169-419	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 8 - Row 208: White Gypsum Board Row 204 **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Non-fibrous 80%				
ET5402AI209A 209	226011169-420	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 8 - Row 209: Black Roof Vapor Barrier Row 204 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 17%				
ET5402AI209B 209	226011169-421	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 8 - Row 209: Black Roof Vapor Barrier Row 204 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 20%				
ET5402AI210A 210	226011169-422	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 9 - Row 210: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.1%				
ET5402AI210B 210	226011169-423	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 9 - Row 210: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.8%				
ET5402AI211A 211	226011169-424	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 9 - Row 211: White Gypsum Board Row 210 **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Non-fibrous 80%				
ET5402AI211B 211	226011169-425	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 9 - Row 211: White Gypsum Board Row 210 **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20%, Non-fibrous 80%				

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI212A 212 **Location:** Roof 9 - Row 212: Black Roof Vapor Barrier Row 210 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.6%	226011169-426	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI212B 212 **Location:** Roof 9 - Row 212: Black Roof Vapor Barrier Row 210 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.2%	226011169-427	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI213A 213 **Location:** Roof 4 - Row 213: Gray Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 19%	226011169-428	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI213B 213 **Location:** Roof 4 - Row 213: Gray Caulk **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11%	226011169-429	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI214A 214 **Location:** Roof 10 - Row 214: Light Gray EPDM Roofing **Analyst Description:** Lt. Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.3%	226011169-430	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI214B 214 **Location:** Roof 10 - Row 214: Light Gray EPDM Roofing **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.1%	226011169-431	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
ET5402AI215A 215 **Location:** Roof 10 - Row 215: White Gypsum Board Row 214 **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10%, Non-fibrous 90%	226011169-432	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI215B 215	226011169-433	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 10 - Row 215: White Gypsum Board Row 214 **Analyst Description:** White/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15%, Non-fibrous 85%				
ET5402AI216A 216	226011169-434	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 10 - Row 216: Black Insulation Backing Paper Row 214 **Analyst Description:** Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80%, Fibrous glass 5.0%, Non-fibrous 15%				
ET5402AI216B 216	226011169-435	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 10 - Row 216: Black Insulation Backing Paper Row 214 **Analyst Description:** Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 70%, Fibrous glass 10%, Non-fibrous 20%				
ET5402AI217A 217	226011169-436	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 10 - Row 217: Black Insulation Backing Paper Row 214 **Analyst Description:** Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60%, Fibrous glass 5.0%, Non-fibrous 35%				
ET5402AI217B 217	226011169-437	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 10 - Row 217: Black Insulation Backing Paper Row 214 **Analyst Description:** Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60%, Fibrous glass 10%, Non-fibrous 30%				
ET5402AI218A 218	226011169-438	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 10 - Row 218: Black Roof Tar Row 214 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.3%				
ET5402AI218B 218	226011169-439	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 10 - Row 218: Black Roof Tar Row 214 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10%				

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PLM Bulk Asbestos Report

ET5402; 2024 Capital Project; Binghamton, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI219A 219	226011169-440	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 10 - Row 219: Brown Isolation Board Row 214 **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60%, Non-fibrous 40%				
ET5402AI219B 219	226011169-441	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 01/10/26	
Location: Roof 10 - Row 219: Brown Isolation Board Row 214 **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60%, Non-fibrous 40%				
ET5402AI220A 220	226011169-442	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 10 - Row 220: Black Roof Flashing Tar Row 214 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 30%				
ET5402AI220B 220	226011169-443	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 01/10/26	*1*
Location: Roof 10 - Row 220: Black Roof Flashing Tar Row 214 **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.0%				

Reporting Notes:

(1) NAD results by NYS 198.6 are inconclusive and are not considered non-ACM

(2) Trace <1% results by NYS 198.6 are inconclusive and are not considered non-ACM

Analyzed by: Bo Sun
Date: 1/9/2026



Reviewed by: Marik Peysakhov



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229003, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

END OF REPORT

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	ET5402AI01A	01	0.484	46.2	36.5	17.4	NAD	NAD
Location:	Corridor 179 - Row 1: Off-White 2- By 2- Foot Textured Ceiling Tile							
02	ET5402AI01B	01	0.347	43.4	35.8	20.8	NAD	NAD
Location:	Corridor C200 - Row 1: Off-White 2- By 2- Foot Textured Ceiling Tile							
03	ET5402AI03A	03	----	----	----	----	NAD	NA
Location:	Corridor 179 - Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket							
04	ET5402AI03B	03	----	----	----	----	NAD	NA
Location:	Corridor C200 - Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket							
05	ET5402AI03C	03	----	----	----	----	NAD	NA
Location:	Corridor C200 - Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket							
06	ET5402AI04A	04	----	----	----	----	NAD	NA
Location:	Corridor 179 - Row 4: Gray 2-Inch Diameter Pipe TSI Jacket							
07	ET5402AI04B	04	----	----	----	----	NAD	NA
Location:	Corridor 179 - Row 4: Gray 2-Inch Diameter Pipe TSI Jacket							
08	ET5402AI04C	04	----	----	----	----	NAD	NA
Location:	Corridor 179 - Row 4: Gray 2-Inch Diameter Pipe TSI Jacket							
09	ET5402AI05A	05	----	----	----	----	NAD	NA
Location:	Corridor 179 - Row 5: White CWT Grout							
10	ET5402AI05B	05	----	----	----	----	NAD	NA
Location:	Corridor C200 - Row 5: White CWT Grout							
11	ET5402AI06A	06	0.401	41.1	22.6	36.3	NAD	NAD
Location:	Corridor 179 - Row 6: Yellow Adhesive Row 5							
12	ET5402AI06B	06	0.202	40.6	3.8	55.7	NAD	NAD
Location:	Corridor C200 - Row 6: Yellow Adhesive Row 5							
13	ET5402AI07A	07	0.233	48.2	48.0	3.9	NAD	NAD
Location:	Corridor 179 - Row 7: Black Window Frame Caulk							
14	ET5402AI07B	07	0.184	49.1	47.2	3.7	NAD	NAD
Location:	Corridor C200 - Row 7: Black Window Frame Caulk							
15	ET5402AI08A	08	0.228	41.5	53.0	5.5	NAD	NAD
Location:	Stair 186 - Row 8: White Caulk							
16	ET5402AI08B	08	0.398	43.9	51.8	4.3	NAD	NAD
Location:	Corridor C200 - Row 8: White Caulk							

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Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	ET5402AI10A	10	0.226	52.4	19.9	27.6	NAD	NAD
Location: Corridor 179 - Row 10: Yellow Carpet Adhesive								
18	ET5402AI10B	10	0.169	53.0	6.9	40.1	NAD	NAD
Location: Corridor C200 - Row 10: Yellow Carpet Adhesive								
19	ET5402AI11A	11	----	----	----	----	NAD	NA
Location: Corridor 179 - Row 11: Gray Base Coat Wall Plaster								
20	ET5402AI11B	11	----	----	----	----	NAD	NA
Location: Room 169 - Row 11: Gray Base Coat Wall Plaster								
21	ET5402AI11C	11	----	----	----	----	NAD	NA
Location: Room 169 - Row 11: Gray Base Coat Wall Plaster								
22	ET5402AI11D	11	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 11: Gray Base Coat Wall Plaster								
23	ET5402AI11E	11	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 11: Gray Base Coat Wall Plaster								
24	ET5402AI11F	11	----	----	----	----	NAD	NA
Location: Room 309 - Row 11: Gray Base Coat Wall Plaster								
25	ET5402AI11G	11	----	----	----	----	NAD	NA
Location: Room 309 - Row 11: Gray Base Coat Wall Plaster								
26	ET5402AI12A	12	----	----	----	----	NAD	NA
Location: Corridor 179 - Row 12: White Skim Coat Wall Plaster Row 11								
27	ET5402AI12B	12	----	----	----	----	NAD	NA
Location: Room 169 - Row 12: White Skim Coat Wall Plaster Row 11								
28	ET5402AI12C	12	----	----	----	----	NAD	NA
Location: Room 169 - Row 12: White Skim Coat Wall Plaster Row 11								
29	ET5402AI12D	12	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 12: White Skim Coat Wall Plaster Row 11								
30	ET5402AI12E	12	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 12: White Skim Coat Wall Plaster Row 11								
31	ET5402AI12F	12	----	----	----	----	NAD	NA
Location: Room 309 - Row 12: White Skim Coat Wall Plaster Row 11								
32	ET5402AI12G	12	----	----	----	----	NAD	NA
Location: Room 309 - Row 12: White Skim Coat Wall Plaster Row 11								

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Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	ET5402AI13A	13	----	----	----	----	NAD	NA
Location:	Corridor 179 - Row 13: Brown Fibrous Board							
34	ET5402AI13B	13	----	----	----	----	NAD	NA
Location:	Corridor 179 - Row 13: Brown Fibrous Board							
35	ET5402AI14A	14	0.247	14.8	8.6	76.5	NAD	NAD
Location:	Classroom 174 - Row 14: Off-White Rough Ceiling Tile							
36	ET5402AI14B	14	0.218	17.3	1.5	81.2	NAD	NAD
Location:	Classroom 213 - Row 14: Off-White Rough Ceiling Tile							
37	ET5402AI16A	16	0.279	50.2	45.3	4.6	NAD	NAD
Location:	Classroom 177 - Row 16: Black 6-Inch Cove Base							
38	ET5402AI16B	16	0.186	49.3	46.7	3.9	NAD	NAD
Location:	Classroom 184 - Row 16: Black 6-Inch Cove Base							
39	ET5402AI17A	17	0.249	43.9	41.7	14.4	NAD	NAD
Location:	Classroom 177 - Row 17: Tan Adhesive Row 16							
40	ET5402AI17B	17	0.205	47.4	39.2	13.4	NAD	NAD
Location:	Classroom 184 - Row 17: Tan Adhesive Row 16							
41	ET5402AI18A	18	0.208	46.2	10.1	43.7	NAD	NAD
Location:	Classroom 177 - Row 18: Yellow Adhesive							
42	ET5402AI18B	18	0.182	51.0	15.8	33.2	NAD	NAD
Location:	Classroom 184 - Row 18: Yellow Adhesive							
43	ET5402AI19A	19	0.152	61.7	14.4	21.0	Chrysotile 3.0	NA
Location:	South Exterior - Row 19: Dark Gray Adhesive Row 4 Row 159							
44	ET5402AI19B	19	0.137	63.1	14.2	22.7	NA/PS	NA
Location:	South Exterior - Row 19: Dark Gray Adhesive Row 4 Row 159							
45	ET5402AI20A	20	0.294	93.4	2.2	4.4	NAD	NAD
Location:	Classroom 177 / 178 - Row 20: Black Fibrous Board							
46	ET5402AI20B	20	0.229	94.1	0.7	5.2	NAD	NAD
Location:	Classroom 205A - Row 20: Black Fibrous Board							
47	ET5402AI21A	21	0.322	55.3	36.4	8.3	NAD	NAD
Location:	Classroom 177 / 178 - Row 21: Gray Window Caulk							
48	ET5402AI21B	21	0.352	60.4	33.4	6.1	NAD	NAD
Location:	Classroom 205A - Row 21: Gray Window Caulk							

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Table I
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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	ET5402AI22A	22	0.382	96.0	2.4	1.6	NAD	NAD
Location:	Elevator 168 - Row 22: Yellow Floor Tile Associated Yellow Mastic Row 110							
50	ET5402AI22B	22	0.220	98.5	1.1	0.5	NAD	NAD
Location:	Elevator 168 - Row 22: Yellow Floor Tile Associated Yellow Mastic Row 110							
51	ET5402AI23A	23	0.299	72.2	18.6	9.2	NAD	NAD
Location:	Classroom 177 / 178 - Row 26: Clear Caulk							
52	ET5402AI23B	23	0.224	74.2	16.6	9.2	NAD	NAD
Location:	Classroom 177 / 178 - Row 26: Clear Caulk							
53	ET5402AI24A	24	0.180	85.2	3.9	10.9	NAD	NAD
Location:	Classroom 177 / 178 - Row 24: Black Window Butyl							
54	ET5402AI24B	24	0.137	86.2	2.0	11.9	NAD	NAD
Location:	Classroom 205A - Row 24: Black Window Butyl							
55	ET5402AI25A	25	0.249	9.7	82.4	4.7	Chrysotile 3.2	NA
Location:	Stair 186 - Row 25: White Door Lite Butyl							
56	ET5402AI25B	25	0.265	13.9	39.3	46.9	NA/PS	NA
Location:	Stair 211 - Row 25: White Door Lite Butyl							
57	ET5402AI26A	26	0.374	24.3	73.3	2.4	NAD	NAD
Location:	Toilet 176 - Row 26: White Door Frame Caulk							
58	ET5402AI26B	26	0.295	24.9	72.6	2.5	NAD	NAD
Location:	Toilet 176 - Row 26: White Door Frame Caulk							
59	ET5402AI27A	27	----	----	----	----	NAD	NA
Location:	Toilet 176 - Row 27: Off-White Gypsum Board							
60	ET5402AI27B	27	----	----	----	----	NAD	NA
Location:	Guidance 215 - Row 27: Off-White Gypsum Board							
61	ET5402AI28A	28	----	----	----	----	NAD	NA
Location:	Toilet 176 - Row 28: Tan Gypsum Wall Board Associated Tan Seam Tape Row 27							
62	ET5402AI28B	28	----	----	----	----	NAD	NA
Location:	OT / PT - Row 28: Tan Gypsum Wall Board Associated Tan Seam Tape Row 27							
63	ET5402AI29A	29	----	----	----	----	NAD	NA
Location:	Toilet 176 - Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27							
64	ET5402AI29B	29	----	----	----	----	NAD	NA
Location:	Guidance - Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27							

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Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	ET5402AI29C	29	----	----	----	----	NAD	NA
Location:	OT / PT - Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27							
66	ET5402AI30A	30	0.221	34.3	62.4	3.3	NAD	NAD
Location:	Toilet 176 - Row 30: Light Gray 4-Inch Cove Base							
67	ET5402AI30B	30	0.203	32.4	64.7	2.9	NAD	NAD
Location:	Toilet 176 - Row 30: Light Gray 4-Inch Cove Base							
68	ET5402AI31A	31	0.258	36.5	59.0	4.5	NAD	NAD
Location:	Toilet 176 - Row 31: Beige Adhesive Associated With Row 30							
69	ET5402AI31B	31	0.278	37.1	58.1	4.9	NAD	NAD
Location:	Toilet 176 - Row 31: Beige Adhesive Associated With Row 30							
70	ET5402AI32A	32	0.249	34.6	63.7	1.7	NAD	NAD
Location:	Toilet G311T - Row 32: White Fixtured Caulk							
71	ET5402AI32B	32	0.310	35.1	62.7	2.1	NAD	NAD
Location:	Toilet 207A - Row 32: White Fixtured Caulk							
72	ET5402AI33A	33	----	----	----	----	NAD	NA
Location:	Shower 110 - Row 33: Off-White Gypsum Ceiling Board							
73	ET5402AI33B	33	----	----	----	----	NAD	NA
Location:	Shower 110 - Row 33: Off-White Gypsum Ceiling Board							
74	ET5402AI35A	35	----	----	----	----	NAD	NA
Location:	Shower 110 - Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33							
75	ET5402AI35B	35	----	----	----	----	NAD	NA
Location:	Shower 110 - Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33							
76	ET5402AI35C	35	----	----	----	----	NAD	NA
Location:	Shower 110 - Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33							
77	ET5402AI36A	36	0.362	29.7	66.7	3.6	NAD	NAD
Location:	Toilet 176 - Row 36: Brown Door Frame Caulk							
78	ET5402AI36B	36	0.376	28.9	66.5	4.6	NAD	NAD
Location:	Toilet 176 - Row 36: Brown Door Frame Caulk							
79	ET5402AI37A	37	----	----	----	----	NAD	NA
Location:	Toilet G311TA - Row 37: White CWT Grout							
80	ET5402AI37B	37	----	----	----	----	NAD	NA
Location:	Toilet B311TA - Row 37: White CWT Grout							

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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
81	ET5402AI38A	38	----	----	----	----	NAD	NA
Location:	Toilet 214 - Row 38: Gray CWT Mortar Row 37							
82	ET5402AI38B	38	----	----	----	----	NAD	NA
Location:	Toilet B311TA - Row 38: Gray CWT Mortar Row 37							
83	ET5402AI39A	39	----	----	----	----	NAD	NA
Location:	Toilet B311TA - Row 39: Gray CFT Grout							
84	ET5402AI39B	39	----	----	----	----	NAD	NA
Location:	Toilet 214 - Row 39: Gray CFT Grout							
85	ET5402AI40A	40	----	----	----	----	NAD	NA
Location:	Toilet B311TA - Row 40: Gray CFT Mortar Row 39							
86	ET5402AI40B	40	----	----	----	----	NAD	NA
Location:	Toilet G311TA - Row 40: Gray CFT Mortar Row 39							
87	ET5402AI41A	41	0.207	53.2	12.0	34.8	NAD	NAD
Location:	Toilet 175A - Row 41: Black Adhesive							
88	ET5402AI41B	41	0.271	52.0	3.0	45.0	NAD	NAD
Location:	Toilet 175A - Row 41: Black Adhesive							
89	ET5402AI42A	42	----	----	----	----	NAD	NA
Location:	Toilet 175A - Row 42: Gray Grout							
90	ET5402AI42B	42	----	----	----	----	NAD	NA
Location:	Toilet 175A - Row 42: Gray Grout							
91	ET5402AI43A	43	0.245	31.3	61.7	7.0	NAD	NAD
Location:	Toilet 175A - Row 43: Off-White Fixture Caulk							
92	ET5402AI43B	43	0.302	31.8	63.5	4.7	NAD	NAD
Location:	Toilet 175A - Row 43: Off-White Fixture Caulk							
93	ET5402AI44A	44	0.217	28.3	67.3	4.4	NAD	NAD
Location:	Classroom 174 - Row 44: Light Gray 6-Inch Cove Base							
94	ET5402AI44B	44	0.174	25.6	70.9	3.6	NAD	NAD
Location:	Classroom 174 - Row 44: Light Gray 6-Inch Cove Base							
95	ET5402AI45A	45	0.155	51.2	5.8	43.1	NAD	NAD
Location:	Classroom 174 - Row 45: Brown Adhesive Associated With							
96	ET5402AI45B	45	0.244	51.9	4.8	43.3	NAD	NAD
Location:	Classroom 174 - Row 45: Brown Adhesive Associated With							

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97	ET5402AI48A	48	0.238	78.0	9.0	12.9	NAD	NAD
Location: Corridor 179 - Row 48: Gray Wallpaper								
98	ET5402AI48B	48	0.225	75.8	8.1	16.1	NAD	NAD
Location: Corridor C200 - Row 48: Gray Wallpaper								
99	ET5402AI49A	49	----	----	----	----	NAD	NA
Location: Stair 100 - Row 49: Gray Base Coat Wall Plaster								
100	ET5402AI49B	49	----	----	----	----	NAD	NA
Location: Stair 100 - Row 49: Gray Base Coat Wall Plaster								
101	ET5402AI49C	49	----	----	----	----	NAD	NA
Location: Stair 186 - Row 49: Gray Base Coat Wall Plaster								
102	ET5402AI49D	49	----	----	----	----	NAD	NA
Location: Stair 186 - Row 49: Gray Base Coat Wall Plaster								
103	ET5402AI49E	49	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 49: Gray Base Coat Wall Plaster								
104	ET5402AI49F	49	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 49: Gray Base Coat Wall Plaster								
105	ET5402AI49G	49	----	----	----	----	NAD	NA
Location: Corridor 312 - Row 49: Gray Base Coat Wall Plaster								
106	ET5402AI50A	50	----	----	----	----	NAD	NA
Location: Stair 100 - Row 50: White Skim Coat Wall Plaster Row 49								
107	ET5402AI50B	50	----	----	----	----	NAD	NA
Location: Stair 100 - Row 50: White Skim Coat Wall Plaster Row 49								
108	ET5402AI50C	50	----	----	----	----	NAD	NA
Location: Stair 186 - Row 50: White Skim Coat Wall Plaster Row 49								
109	ET5402AI50D	50	----	----	----	----	NAD	NA
Location: Stair 186 - Row 50: White Skim Coat Wall Plaster Row 49								
110	ET5402AI50E	50	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 50: White Skim Coat Wall Plaster Row 49								
111	ET5402AI50F	50	----	----	----	----	NAD	NA
Location: Corridor C200 - Row 50: White Skim Coat Wall Plaster Row 49								
112	ET5402AI50G	50	----	----	----	----	NAD	NA
Location: Corridor 312 - Row 50: White Skim Coat Wall Plaster Row 49								

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113	ET5402AI51A	51	----	----	----	----	NAD	NA
Location:	Custodail 169 - Row 51: Off-White Gupsum Wall Board							
114	ET5402AI51B	51	----	----	----	----	NAD	NA
Location:	Custodail 169 - Row 51: Off-White Gupsum Wall Board							
115	ET5402AI53A	53	0.219	77.4	11.9	10.6	NAD	NAD
Location:	Faculty Room 170 - Row 63: White Caulk							
116	ET5402AI53B	53	0.175	29.9	64.3	5.8	NAD	NAD
Location:	Toilet 171 - Row 53: White Caulk							
117	ET5402AI54A	54	0.297	50.1	48.4	1.5	NAD	NAD
Location:	Copy 173 - Row 54: Black 4-Inch Cove Base							
118	ET5402AI54B	54	0.324	50.1	48.3	1.5	NAD	NAD
Location:	Band 133 - Row 54: Black 4-Inch Cove Base							
119	ET5402AI55A	55	0.300	40.9	23.7	35.4	NAD	NAD
Location:	Copy 173 - Row 55: Tan Cove Base Associated Tan Adhesive							
120	ET5402AI55B	55	0.249	39.0	18.4	42.6	NAD	NAD
Location:	Band 133 - Row 55: Tan Cove Base Associated Tan Adhesive							
121	ET5402AI56A	56	0.224	19.1	36.2	44.8	NAD	NAD
Location:	Faculty Room 170 - Row 56: Gray Sink Coating							
122	ET5402AI56B	56	0.135	19.6	40.5	40.0	NAD	NAD
Location:	Classroom 164 - Row 56: Gray Sink Coating							
123	ET5402AI57A	57	----	----	----	----	NAD	NA
Location:	Custodial 169 - Row 57: White CWT Grout							
124	ET5402AI57B	57	----	----	----	----	NAD	NA
Location:	Custodial 169 - Row 57: White CWT Grout							
125	ET5402AI58A	58	----	----	----	----	NAD	NA
Location:	Custodial 169 - Row 58: Gray CWT Mortar Row 57							
126	ET5402AI58B	58	----	----	----	----	NAD	NA
Location:	Custodial 169 - Row 58: Gray CWT Mortar Row 57							
127	ET5402AI59A	59	----	----	----	----	NAD	NA
Location:	Custodial 169 - Row 59: Gray CFT Grout							
128	ET5402AI59B	59	----	----	----	----	NAD	NA
Location:	Custodial 169 - Row 59: Gray CFT Grout							

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129	ET5402AI60A	60	----	----	----	----	NAD	NA
Location: Custodial 169 - Row 60: Gray CFT Mortar Row 59								
130	ET5402AI60B	60	----	----	----	----	NAD	NA
Location: Custodial 169 - Row 60: Gray CFT Mortar Row 59								
131	ET5402AI61A	61	0.217	14.6	35.9	49.5	NAD	NAD
Location: Custodial 169 - Row 61: White 2- By 4-Foot Fissured And Pinhole Ceiling Tile								
132	ET5402AI61B	61	0.285	13.6	42.9	43.4	NAD	NAD
Location: Passage 146A - Row 61: White 2- By 4-Foot Fissured And Pinhole Ceiling Tile								
133	ET5402AI62A	62	----	----	----	----	NAD	NA
Location: Custodial 169 - Row 62: Gray Cementitious Wall Patch								
134	ET5402AI62B	62	----	----	----	----	NAD	NA
Location: Custodial 169 - Row 62: Gray Cementitious Wall Patch								
135	ET5402AI62C	62	----	----	----	----	NAD	NA
Location: Custodial 169 - Row 62: Gray Cementitious Wall Patch								
136	ET5402AI63A	63	0.330	23.7	74.8	1.5	NAD	NAD
Location: Custodial 169 - Row 63: White Caulk								
137	ET5402AI63B	63	0.224	23.7	74.1	2.2	NAD	NAD
Location: Custodial 169 - Row 63: White Caulk								
138	ET5402AI64A	64	0.302	24.2	68.2	7.6	NAD	NAD
Location: Custodial 169 - Row 64: Beige Adhesive								
139	ET5402AI64B	64	0.264	26.7	66.1	7.2	NAD	NAD
Location: Custodial 169 - Row 64: Beige Adhesive								
140	ET5402AI65A	65	0.214	73.2	22.8	4.0	NAD	NAD
Location: Corridor C200 - Row 65: White Fire Stop Sealant								
141	ET5402AI65B	65	0.219	71.9	22.9	5.3	NAD	NAD
Location: Corridor C200 - Row 65: White Fire Stop Sealant								
142	ET5402AI66A	66	0.439	37.6	55.3	7.1	NAD	NAD
Location: Corridor 154A - Row 66: Red Fire Stop Sealant								
143	ET5402AI66B	66	0.390	15.0	80.2	4.8	NAD	NAD
Location: Stair 186 - Row 66: Red Fire Stop Sealant								
144	ET5402AI67A	67	0.206	37.7	55.1	7.2	NAD	NAD
Location: Corridor 154 - Row 67: Off-White 2- By 4-Foot Textured Ceiling								

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145	ET5402AI67B	67	0.161	42.6	41.1	16.3	NAD	NAD
Location: Corridor 312 - Row 67: Off-White 2- By 4-Foot Textured Ceiling								
146	ET5402AI68A	68	----	----	----	----	NAD	NA
Location: Music 117 - Row 68: Gray Spray-Applied Fireproofing								
147	ET5402AI68B	68	----	----	----	----	NAD	NA
Location: Music 117 - Row 68: Gray Spray-Applied Fireproofing								
148	ET5402AI68C	68	----	----	----	----	NAD	NA
Location: Boys Locker 108 - Row 68: Gray Spray-Applied Fireproofing								
149	ET5402AI68D	68	----	----	----	----	NAD	NA
Location: Boys Locker 108 - Row 68: Gray Spray-Applied Fireproofing								
150	ET5402AI68E	68	----	----	----	----	NAD	NA
Location: Girls Locker 136B - Row 68: Gray Spray-Applied Fireproofing								
151	ET5402AI68F	68	----	----	----	----	NAD	NA
Location: Girls Locker 136B - Row 68: Gray Spray-Applied Fireproofing								
152	ET5402AI68G	68	----	----	----	----	NAD	NA
Location: Classroom 304 - Row 68: Gray Spray-Applied Fireproofing								
153	ET5402AI69A	69	0.182	65.1	24.8	10.1	NAD	NAD
Location: Custodial 169 - Row 69: Brown CFT Adhesive Row 59								
154	ET5402AI69B	69	0.181	66.4	31.0	2.5	NAD	NAD
Location: Custodial 169 - Row 69: Brown CFT Adhesive Row 59								
155	ET5402AI70A	70	0.138	20.5	24.2	55.2	NAD	NAD
Location: Classroom 309 - Row 70: Black Sink Coating								
156	ET5402AI70B	70	0.094	22.1	24.8	53.1	NAD	NAD
Location: Classroom 301 - Row 70: Black Sink Coating								
157	ET5402AI72A	72	0.166	82.9	12.0	5.1	NAD	NAD
Location: Classroom 165 - Row 72: Black Caulk								
158	ET5402AI72B	72	0.138	78.9	14.4	6.8	NAD	NAD
Location: Stair 100 - Row 72: Black Caulk								
159	ET5402AI73A	73	0.278	24.3	12.6	56.1	Chrysotile 7.0	NA
Location: Classroom 164 - Row 73: Beige 12- By 12-Inch Streaked Floor Tile								
160	ET5402AI73B	73	0.263	26.7	14.1	59.2	NA/PS	NA
Location: Classroom 164 - Row 73: Beige 12- By 12-Inch Streaked Floor Tile								

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161	ET5402AI74A	74	0.190	26.3	32.5	41.1	Chrysotile <0.3	Chrysotile Trace
Location:	Classroom 164 - Row 74: Black Floor Tile Associated Black Mastic Row 73							
162	ET5402AI74B	74	0.230	34.6	28.5	36.7	Chrysotile <0.3	Chrysotile Trace
Location:	Classroom 164 - Row 74: Black Floor Tile Associated Black Mastic Row 73							
163	ET5402AI75A	75	----	----	----	----	NAD	NA
Location:	Classroom 164 - Row 75: Gray Floor Filler							
164	ET5402AI75B	75	----	----	----	----	NAD	NA
Location:	Classroom 164 - Row 75: Gray Floor Filler							
165	ET5402AI77A	77	0.238	18.2	27.1	54.6	NAD	NAD
Location:	Classroom 164 - Row 77: Off-White 12- By 12-Inch Speckled Floor Tile.							
166	ET5402AI77B	77	0.311	19.4	42.1	38.5	NAD	NAD
Location:	Classroom 164 - Row 77: Off-White 12- By 12-Inch Speckled Floor Tile							
167	ET5402AI78A	78	0.187	39.6	27.2	33.1	NAD	NAD
Location:	Classroom 164 - Row 78: Black Floor Tile Associated Black Mastic Row 77							
168	ET5402AI78B	78	0.234	34.3	24.1	41.6	NAD	NAD
Location:	Classroom 164 - Row 78: Black Floor Tile Associated Black Mastic Row 77							
169	ET5402AI79A	79	0.279	37.8	9.5	52.6	NAD	NAD
Location:	Classroom 164 - Row 79: Brown 6-Inch Cove Base							
170	ET5402AI79B	79	0.324	39.1	8.2	52.7	NAD	NAD
Location:	Classroom 164 - Row 79: Brown 6-Inch Cove Base							
171	ET5402AI80A	80	0.257	50.0	13.6	36.5	NAD	NAD
Location:	Classroom 164 - Row 80: Brown Adhesive Associated With Row 79							
172	ET5402AI80B	80	0.322	51.7	6.7	41.6	NAD	NAD
Location:	Classroom 164 - Row 80: Brown Adhesive Associated With Row 79							
173	ET5402AI81A	81	----	----	----	----	NAD	NA
Location:	Stair 100 - Row 81: Gray Base Coat Ceiling Plaster Row 81							
174	ET5402AI81B	81	----	----	----	----	NAD	NA
Location:	Stair 100 - Row 81: Gray Base Coat Ceiling Plaster Row 81							
175	ET5402AI81C	81	----	----	----	----	NAD	NA
Location:	Stair 186 - Row 81: Gray Base Coat Ceiling Plaster Row 81							
176	ET5402AI81D	81	----	----	----	----	NAD	NA
Location:	Stair 186 - Row 81: Gray Base Coat Ceiling Plaster Row 81							

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177	ET5402AI81E	81	----	----	----	----	NAD	NA
Location: Stair 210 - Row 81: Gray Base Coat Ceiling Plaster Row 81								
178	ET5402AI82A	82	----	----	----	----	NAD	NA
Location: Stair 100 - Row 82: White Skin Coat Ceiling Plaster Row 81								
179	ET5402AI82B	82	----	----	----	----	NAD	NA
Location: Stair 100 - Row 82: White Skin Coat Ceiling Plaster Row 81								
180	ET5402AI82C	82	----	----	----	----	NAD	NA
Location: Stair 186 - Row 82: White Skin Coat Ceiling Plaster Row 81								
181	ET5402AI82D	82	----	----	----	----	NAD	NA
Location: Stair 186 - Row 82: White Skin Coat Ceiling Plaster Row 81								
182	ET5402AI82E	82	----	----	----	----	NAD	NA
Location: Stair 210 - Row 82: White Skin Coat Ceiling Plaster Row 81								
183	ET5402AI83A	83	----	----	----	----	NAD	NA
Location: Corridor 154 - Row 83: Off-White Speckled Terrazzo								
184	ET5402AI83B	83	----	----	----	----	NAD	NA
Location: Lobby 149 - Row 83: Off-White Speckled Terrazzo								
185	ET5402AI84A	84	----	----	----	----	NAD	NA
Location: Corridor 154 - Row 84: Gray Mortar Row 83								
186	ET5402AI84B	84	----	----	----	----	NAD	NA
Location: Lobby 149 - Row 84: Gray Mortar Row 83								
187	ET5402AI85A	85	----	----	----	----	NAD	NA
Location: Corridor 154 - Row 85: Off-White Speckled Terrazzo								
188	ET5402AI85B	85	----	----	----	----	NAD	NA
Location: Lobby 149 - Row 85: Off-White Speckled Terrazzo								
189	ET5402AI86A	86	----	----	----	----	NAD	NA
Location: Corridor 154 - Row 86: Gray Mortar								
190	ET5402AI86B	86	----	----	----	----	NAD	NA
Location: Lobby 149 - Row 86: Gray Mortar								
191	ET5402AI87A	87	----	----	----	----	NAD	NA
Location: Stair 100 - Row 87: White Grout								
192	ET5402AI87B	87	----	----	----	----	NAD	NA
Location: Stair 186 - Row 87: White Grout								

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193	ET5402AI88A	88	0.246	27.2	46.4	26.2	Anthophyllite <0.3	Anthophyllite <1.0
Location:	Stair 100 - Row 88: White Caulk							
194	ET5402AI88B	88	0.235	28.4	44.6	26.8	Anthophyllite <0.3	Anthophyllite <1.0
Location:	Stair 186 - Row 88: White Caulk							
195	ET5402AI89A	89	----	----	----	----	NAD	NA
Location:	Boys Locker 108 - Row 89: Gray CFT Grout							
196	ET5402AI89B	89	----	----	----	----	NAD	NA
Location:	Laundry 144 - Row 89: Gray CFT Grout							
197	ET5402AI90A	90	----	----	----	----	NAD	NA
Location:	Boys Locker 108 - Row 90: Gray CFT Mortar Row 89							
198	ET5402AI90B	90	----	----	----	----	NAD	NA
Location:	Laundry 144 - Row 90: Gray CFT Mortar Row 89							
199	ET5402AI91A	91	0.301	11.7	51.4	36.9	NAD	NAD
Location:	Toilet 181T - Row 91: Off-White 1- By 1-Food Fissured And Pinhole Ceiling Tile							
200	ET5402AI91B	91	0.286	11.3	57.1	31.6	NAD	NAD
Location:	Toilet 183T - Row 91: Off-White 1- By 1-Food Fissured And Pinhole Ceiling Tile							
201	ET5402AI92A	92	0.141	17.0	62.5	20.5	NAD	NAD
Location:	Toilet 181T - Row 92: White Adhesive Associated With							
202	ET5402AI92B	92	0.128	10.7	57.5	31.9	NAD	NAD
Location:	Toilet 183T - Row 92: White Adhesive Associated With							
203	ET5402AI93A	93	0.249	66.4	30.4	3.2	NAD	NAD
Location:	Classroom 183 - Row 93: Gray Gasket							
204	ET5402AI93B	93	0.245	64.5	29.8	5.8	NAD	NAD
Location:	Classroom 312 - Row 93: Gray Gasket							
205	ET5402AI95A	95	----	----	----	----	NAD	NA
Location:	Classroom 185 - Row 95: Gray CFT Grout							
206	ET5402AI95B	95	----	----	----	----	NAD	NA
Location:	Classroom 185 - Row 95: Gray CFT Grout							
207	ET5402AI96A	96	----	----	----	----	NAD	NA
Location:	Classroom 185 - Row 96: Gray CFT Mortar Row 95							
208	ET5402AI96B	96	----	----	----	----	NAD	NA
Location:	Classroom 185 - Row 96: Gray CFT Mortar Row 95							

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ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
209	ET5402AI97A	97	0.234	8.4	85.8	4.3	Chrysotile <0.3	Chrysotile 1.5
Location: Stair 100 - Row 97: Off-White Door Lite Butyl								
210	ET5402AI97B	97	0.162	12.6	75.9	11.6	Chrysotile <0.3	NA/PS
Location: Stair 186 - Row 97: Off-White Door Lite Butyl								
211	ET5402AI99A	99	----	----	----	----	NAD	NA
Location: Toilet 207A - Row 99: White 2-Inch Diameter Pipe TSI Jacket								
212	ET5402AI99B	99	----	----	----	----	NAD	NA
Location: Toilet 207A - Row 99: White 2-Inch Diameter Pipe TSI Jacket								
213	ET5402AI99C	99	----	----	----	----	NAD	NA
Location: Toilet 214A - Row 99: White 2-Inch Diameter Pipe TSI Jacket								
214	ET5402AI100A	100	0.245	45.5	22.2	32.2	NAD	NAD
Location: Toilet 207A - Row 100: White Pipe TSI End Sealant Row 99								
215	ET5402AI100B	100	0.193	40.5	19.0	40.5	NAD	NAD
Location: Toilet 207A - Row 100: White Pipe TSI End Sealant Row 99								
216	ET5402AI100C	100	0.244	43.4	21.6	35.0	NAD	NAD
Location: Toilet 214A - Row 100: White Pipe TSI End Sealant Row 99								
217	ET5402AI101A	101	----	----	----	----	NAD	NA
Location: Toilet 207 - Row 101: White CWT Grout								
218	ET5402AI101B	101	----	----	----	----	NAD	NA
Location: Toilet 214 - Row 101: White CWT Grout								
219	ET5402AI102A	102	0.190	30.4	62.3	7.3	NAD	NAD
Location: Toilet 207 - Row 102: Beige CWT Adhesive								
220	ET5402AI102B	102	0.252	34.1	62.1	3.7	NAD	NAD
Location: Toilet 214 - Row 102: Beige CWT Adhesive								
221	ET5402AI103A	103	0.164	21.0	25.5	53.5	NAD	NAD
Location: Toilet B311TA - Row 103: White 2- By 4-Foot Smooth Ceiling Tile								
222	ET5402AI103B	103	0.204	21.6	25.8	52.6	NAD	NAD
Location: Toilet G311TA - Row 103: White 2- By 4-Foot Smooth Ceiling Tile								
223	ET5402AI105A	105	0.216	83.2	6.9	9.8	NAD	NAD
Location: Classroom 205A - Row 105: Clear Caulk								
224	ET5402AI105B	105	0.201	70.7	8.4	20.9	NAD	NAD
Location: Toilet G311TA - Row 105: Clear Caulk								

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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
225	ET5402AI108A	108	----	----	----	----	NAD	NA
Location: Cafetorium 130 - Row 108: Gray Block Mortar								
226	ET5402AI108B	108	----	----	----	----	NAD	NA
Location: Custodial 119 - Row 108: Gray Block Mortar								
227	ET5402AI110A	110	0.271	17.8	41.1	41.1	NAD	NAD
Location: Elevator 168 - Row 110: Off-White 12- By 12-Inch Mottled Floor Tile								
228	ET5402AI110B	110	0.286	17.1	40.8	42.1	NAD	NAD
Location: Elevator 168 - Row 110: Off-White 12- By 12-Inch Mottled Floor Tile								
229	ET5402AI112A	112	0.199	51.7	7.6	40.8	NAD	NAD
Location: Office 307B - Row 112: Yellow Carpet Adhesive								
230	ET5402AI112B	112	0.225	52.3	6.5	41.2	NAD	NAD
Location: Office 307B - Row 112: Yellow Carpet Adhesive								
231	ET5402AI113A	113	0.154	42.2	39.7	18.1	NAD	NAD
Location: Pipe Tunnel - Row 113: Gray HVAC Seam Sealant								
232	ET5402AI113B	113	0.222	42.2	43.6	14.1	NAD	NAD
Location: Pipe Tunnel - Row 113: Gray HVAC Seam Sealant								
233	ET5402AI114A	114	----	----	----	----	NAD	NA
Location: Stair B5 - Row 114: Gray Block Mortar								
234	ET5402AI114B	114	----	----	----	----	NAD	NA
Location: Stair B5 - Row 114: Gray Block Mortar								
235	ET5402AI115A	115	----	----	----	----	NAD	NA
Location: Lobby 149 - Row 115: Gray Block Mortar								
236	ET5402AI115B	115	----	----	----	----	NAD	NA
Location: Corridor 142 - Row 115: Gray Block Mortar								
237	ET5402AI117A	117	0.262	70.7	28.8	0.6	NAD	NAD
Location: Lobby 149 - Row 117: Brown 4-Inch Cove Base								
238	ET5402AI117B	117	0.239	64.7	34.0	1.3	NAD	NAD
Location: Nurses 151 - Row 117: Brown 4-Inch Cove Base								
239	ET5402AI118A	118	0.164	54.7	20.5	24.8	NAD	NAD
Location: Lobby 149 - Row 118: Tan Cove Base Associated Tand Adhesive Row 117								
240	ET5402AI118B	118	0.236	65.1	9.3	25.6	NAD	NAD
Location: Nurse 151 - Row 118: Tan Cove Base Associated Tand Adhesive Row 117								

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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
241	ET5402AI119A	119	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 119: White CWT Grout							
242	ET5402AI119B	119	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 119: White CWT Grout							
243	ET5402AI120A	120	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 120: Off-White CWT Adhesive							
244	ET5402AI120B	120	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 120: Off-White CWT Adhesive							
245	ET5402AI121A	121	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 121: Gray CFT Grout							
246	ET5402AI121B	121	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 121: Gray CFT Grout							
247	ET5402AI122A	122	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 122: Gray CFT Mortar Row 121							
248	ET5402AI122B	122	----	----	----	----	NAD	NA
Location:	Passage 146A - Row 122: Gray CFT Mortar Row 121							
249	ET5402AI123A	123	----	----	----	----	NAD	NA
Location:	Girls 146 - Row 123: Gray CWT Grout							
250	ET5402AI123B	123	----	----	----	----	NAD	NA
Location:	Girls 146 - Row 123: Gray CWT Grout							
251	ET5402AI124A	124	0.119	64.7	29.7	5.6	NAD	NAD
Location:	Girls 146 - Row 124: Brown CWT Adhesive							
252	ET5402AI124B	124	0.129	64.3	31.4	4.3	NAD	NAD
Location:	Girls 146 - Row 124: Brown CWT Adhesive							
253	ET5402AI125A	125	----	----	----	----	NAD	NA
Location:	Girls 146 - Row 125: Gray CFT Grout							
254	ET5402AI125B	125	----	----	----	----	NAD	NA
Location:	Girls 146 - Row 125: Gray CFT Grout							
255	ET5402AI126A	126	0.084	68.1	30.7	1.2	NAD	NAD
Location:	Girls 146 - Row 126: Gray CFT Mortar Row 125"NOB Material Submitted"							
256	ET5402AI126B	126	0.081	69.8	27.5	2.7	NAD	NAD
Location:	Girls 146 - Row 126: Gray CFT Mortar Row 125"NOB Material Submitted"							

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ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
257	ET5402AI127A	127	----	----	----	----	NAD	NA
Location: Boys 143 - Row 127: Gray Base Coat Ceiling Plaster								
258	ET5402AI127B	127	----	----	----	----	NAD	NA
Location: Boys 143 - Row 127: Gray Base Coat Ceiling Plaster								
259	ET5402AI127C	127	----	----	----	----	NAD	NA
Location: Boys 143 - Row 127: Gray Base Coat Ceiling Plaster								
260	ET5402AI127D	127	----	----	----	----	NAD	NA
Location: Girls 146 - Row 127: Gray Base Coat Ceiling Plaster								
261	ET5402AI127E	127	----	----	----	----	NAD	NA
Location: Girls 146 - Row 127: Gray Base Coat Ceiling Plaster								
262	ET5402AI127F	127	----	----	----	----	NAD	NA
Location: Girls 146 - Row 127: Gray Base Coat Ceiling Plaster								
263	ET5402AI127G	127	----	----	----	----	NAD	NA
Location: Library 155 - Row 127: Gray Base Coat Ceiling Plaster								
264	ET5402AI128A	128	----	----	----	----	NAD	NA
Location: Boys 143 - Row 128: Beige Skim Coat Ceiling Plaster Row 127								
265	ET5402AI128B	128	----	----	----	----	NAD	NA
Location: Boys 143 - Row 128: Beige Skim Coat Ceiling Plaster Row 127								
266	ET5402AI128C	128	----	----	----	----	NAD	NA
Location: Boys 143 - Row 128: Beige Skim Coat Ceiling Plaster Row 127								
267	ET5402AI128D	128	----	----	----	----	NAD	NA
Location: Girls 146 - Row 128: Beige Skim Coat Ceiling Plaster Row 127								
268	ET5402AI128E	128	----	----	----	----	NAD	NA
Location: Girls 146 - Row 128: Beige Skim Coat Ceiling Plaster Row 127								
269	ET5402AI128F	128	----	----	----	----	NAD	NA
Location: Girls 146 - Row 128: Beige Skim Coat Ceiling Plaster Row 127								
270	ET5402AI128G	128	----	----	----	----	NAD	NA
Location: Library 155 - Row 128: Beige Skim Coat Ceiling Plaster Row 127								
271	ET5402AI129A	129	0.200	59.0	2.0	38.9	NAD	NAD
Location: Band 133 - Row 129: Yellow Carpet Adhesive								
272	ET5402AI129B	129	0.188	59.2	7.8	33.0	NAD	NAD
Location: Music 177 - Row 129: Yellow Carpet Adhesive								

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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
273	ET5402AI130A	130	----	----	----	----	NAD	NA
Location: Cafetorium 131 - Row 130: Blue Stage Curtain								
274	ET5402AI130B	130	----	----	----	----	NAD	NA
Location: Cafetorium 131 - Row 130: Blue Stage Curtain								
275	ET5402AI131A	131	----	----	----	----	NAD	NA
Location: Cafetorium 131 - Row 131: White Textured Wallboard								
276	ET5402AI131B	131	----	----	----	----	NAD	NA
Location: Gym 130 - Row 131: White Textured Wallboard								
277	ET5402AI132A	132	----	----	----	----	NAD	NA
Location: Cafetorium 131 - Row 132: Gray Block Mortar								
278	ET5402AI132B	132	----	----	----	----	NAD	NA
Location: Girls Locker 135B - Row 132: Gray Block Mortar								
279	ET5402AI133A	133	----	----	----	----	NAD	NA
Location: Storage 121 - Row 133: Off-White Refractory Brick								
280	ET5402AI133B	133	----	----	----	----	NAD	NA
Location: Storage 121 - Row 133: Off-White Refractory Brick								
281	ET5402AI134A	134	0.286	51.7	27.1	17.0	Chrysotile 4.2	NA
Location: Gym 130 - Row 134: Brown Adhesive Associated With Row 133 Row 131								
282	ET5402AI134B	134	0.307	36.7	49.5	13.8	NA/PS	NA
Location: Gym 130 - Row 134: Brown Adhesive Associated With Row 133 Row 131								
283	ET5402AI136A	136	----	----	----	----	NAD	NA
Location: Boiler Room - Row 136: White 12-Inch Diameter Pipe TSI Jacket								
284	ET5402AI136B	136	----	----	----	----	NAD	NA
Location: Boiler Room - Row 136: White 12-Inch Diameter Pipe TSI Jacket								
285	ET5402AI136C	136	----	----	----	----	NAD	NA
Location: Boiler Room - Row 136: White 12-Inch Diameter Pipe TSI Jacket								
286	ET5402AI137A	137	0.341	39.5	10.1	50.4	NAD	NAD
Location: Boiler Room - Row 137: White Pipe TSI End Sealant								
287	ET5402AI137B	137	0.359	42.4	3.2	54.5	NAD	NAD
Location: Boiler Room - Row 137: White Pipe TSI End Sealant								
288	ET5402AI137C	137	0.220	37.6	5.9	56.5	NAD	NAD
Location: Boiler Room - Row 137: White Pipe TSI End Sealant								

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ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
289	ET5402AI138A	138	----	----	----	----	NAD	NA
Location: Boiler Room - Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket								
290	ET5402AI138B	138	----	----	----	----	NAD	NA
Location: Boiler Room - Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket								
291	ET5402AI138C	138	----	----	----	----	NAD	NA
Location: Boiler Room - Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket								
292	ET5402AI139A	139	0.174	31.7	41.0	27.3	NAD	NAD
Location: Boiler Room - Row 139: White Pipe TSI End Sealant								
293	ET5402AI139B	139	0.160	36.3	39.1	24.6	NAD	NAD
Location: Boiler Room - Row 139: White Pipe TSI End Sealant								
294	ET5402AI139C	139	0.205	37.3	44.7	18.0	NAD	NAD
Location: Boiler Room - Row 139: White Pipe TSI End Sealant								
295	ET5402AI140A	140	----	----	----	----	NAD	NA
Location: Boiler Room - Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket								
296	ET5402AI140B	140	----	----	----	----	NAD	NA
Location: Boiler Room - Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket								
297	ET5402AI140C	140	----	----	----	----	NAD	NA
Location: Boiler Room - Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket								
298	ET5402AI141A	141	0.160	49.8	42.7	7.5	NAD	NAD
Location: Boiler Room - Row 141: Black Tar Row 138								
299	ET5402AI141B	141	0.198	91.4	0.5	8.1	NAD	NAD
Location: Boiler Room - Row 141: Black Tar Row 138								
300	ET5402AI141C	141	0.238	94.4	0.1	5.5	NAD	NAD
Location: Boiler Room - Row 141: Black Tar Row 138								
301	ET5402AI147A	147	----	----	----	----	NAD	NA
Location: Boiler Room - Row 147: White Tank TSI Jacket								
302	ET5402AI147B	147	----	----	----	----	NAD	NA
Location: Boiler Room - Row 147: White Tank TSI Jacket								
303	ET5402AI147C	147	----	----	----	----	NAD	NA
Location: Boiler Room - Row 147: White Tank TSI Jacket								
304	ET5402AI148A	148	----	----	----	----	NAD	NA
Location: Boiler Room - Row 148: Light Gray Tank TSI Row 147								

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AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
305	ET5402AI148B	148	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 148: Light Gray Tank TSI Row 147							
306	ET5402AI148C	148	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 148: Light Gray Tank TSI Row 147							
307	ET5402AI149A	149	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 149: Silver HVAC TSI Jacket							
308	ET5402AI149B	149	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 149: Silver HVAC TSI Jacket							
309	ET5402AI149C	149	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 149: Silver HVAC TSI Jacket							
310	ET5402AI151A	151	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket							
311	ET5402AI151B	151	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket							
312	ET5402AI151C	151	----	----	----	----	NAD	NA
Location:	Boiler Room - Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket							
313	ET5402AI153A	153	----	----	----	----	NAD	NA
Location:	South Exterior - Row 153: Light Gray Mortar							
314	ET5402AI153B	153	----	----	----	----	NAD	NA
Location:	South Exterior - Row 153: Light Gray Mortar							
315	ET5402AI154A	154	----	----	----	----	NAD	NA
Location:	South Exterior - Row 154: Gray Mortar Mortar							
316	ET5402AI154B	154	----	----	----	----	NAD	NA
Location:	South Exterior - Row 154: Gray Mortar Mortar							
317	ET5402AI155A	155	----	----	----	----	NAD	NA
Location:	South Exterior - Row 155: Beige Surfacing Coat							
318	ET5402AI155B	155	----	----	----	----	NAD	NA
Location:	South Exterior - Row 155: Beige Surfacing Coat							
319	ET5402AI155C	155	----	----	----	----	NAD	NA
Location:	South Exterior - Row 155: Beige Surfacing Coat							
320	ET5402AI156A	156	0.268	41.7	28.5	22.8	Chrysotile 7.0	NA
Location:	North Exterior - Row 156: Black Tar							

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321	ET5402AI156B	156	0.286	45.4	28.2	26.3	NA/PS	NA
Location: North Exterior - Row 156: Black Tar								
322	ET5402AI157A	157	0.178	70.4	25.8	3.8	NAD	NAD
Location: South Exterior - Row 157: Dark Gray Window Frame Caulk								
323	ET5402AI157B	157	0.224	71.8	23.1	5.1	NAD	NAD
Location: South Exterior - Row 157: Dark Gray Window Frame Caulk								
324	ET5402AI158A	158	0.160	98.1	1.2	0.7	NAD	NAD
Location: South Exterior - Row 158: Black Window Butyl								
325	ET5402AI158B	158	0.185	98.0	1.5	0.5	NAD	NAD
Location: South Exterior - Row 158: Black Window Butyl								
326	ET5402AI160A	160	0.253	40.8	52.6	6.6	NAD	NAD
Location: South Exterior - Row 160: Dark Gray Caulk								
327	ET5402AI160B	160	0.253	40.2	52.4	7.3	NAD	NAD
Location: South Exterior - Row 160: Dark Gray Caulk								
328	ET5402AI161A	161	0.346	40.6	53.4	5.9	NAD	NAD
Location: South Exterior - Row 161: Beige Expansion Joint Caulk								
329	ET5402AI161B	161	0.253	40.6	53.8	5.6	NAD	NAD
Location: South Exterior - Row 161: Beige Expansion Joint Caulk								
330	ET5402AI162A	162	0.238	12.4	36.8	50.9	NAD	NAD
Location: OT Office 139 - Row 162: White 2-Foot Smooth Ceiling Tile								
331	ET5402AI162B	162	0.228	13.7	38.8	47.5	NAD	NAD
Location: Kitchen 128 - Row 162: White 2-Foot Smooth Ceiling Tile								
332	ET5402AI163A	163	0.177	63.8	10.2	26.1	NAD	NAD
Location: Boys Locker 108 - Row 163: White Caulk								
333	ET5402AI163B	163	0.183	57.8	24.0	18.3	NAD	NAD
Location: Boys Locker 108 - Row 163: White Caulk								
334	ET5402AI164A	164	0.162	52.7	1.0	46.3	NAD	NAD
Location: Motor Lab 135 - Row 164: Beige Carpet Adhesive								
335	ET5402AI164B	164	0.145	53.7	8.3	38.0	NAD	NAD
Location: Motor Lab 135 - Row 164: Beige Carpet Adhesive								
336	ET5402AI166A	166	----	----	----	----	Chrysotile 2.5	NA
Location: Stair 185 - Row 166: White Door Insulation								

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337	ET5402AI166B	166	----	----	----	----	NA/PS	NA
Location: Stair 185 - Row 166: White Door Insulation								
338	ET5402AI166C	166	----	----	----	----	NA/PS	NA
Location: Stair 186 - Row 166: White Door Insulation								
339	ET5402AI167A	167	----	----	----	----	NAD	NA
Location: Room 147A - Row 167: Brown Door Insulation								
340	ET5402AI167B	167	----	----	----	----	NAD	NA
Location: Room 147A - Row 167: Brown Door Insulation								
341	ET5402AI167C	167	----	----	----	----	NAD	NA
Location: Room 147A - Row 167: Brown Door Insulation								
342	ET5402AI168A	168	0.186	86.7	12.7	0.5	NAD	NAD
Location: Pipe Tunnel - Row 168: Black Vibration Damping Cloth								
343	ET5402AI168B	168	0.187	86.2	8.8	4.9	NAD	NAD
Location: Pipe Tunnel - Row 168: Black Vibration Damping Cloth								
344	ET5402AI171A	171	0.214	88.1	5.3	6.6	NAD	NAD
Location: Roof 1 - Row 171: Light Gray EPDM Roofing								
345	ET5402AI171B	171	0.232	89.0	4.8	6.1	NAD	NAD
Location: Roof 1 - Row 171: Light Gray EPDM Roofing								
346	ET5402AI172A	172	----	----	----	----	NAD	NA
Location: Roof 1 - Row 172: White Gypsum Board Row 171								
347	ET5402AI172B	172	----	----	----	----	NAD	NA
Location: Roof 1 - Row 172: White Gypsum Board Row 171								
348	ET5402AI173A	173	0.218	95.6	0.6	3.9	NAD	NAD
Location: Roof 1 - Row 173: Black Insulation Backing Paper Row 171								
349	ET5402AI173B	173	0.328	97.1	1.3	1.6	NAD	NAD
Location: Roof 1 - Row 173: Black Insulation Backing Paper Row 171								
350	ET5402AI174A	174	0.131	93.3	4.3	2.5	NAD	NAD
Location: Roof 1 - Row 174: Black Insulation Backing Paper Row 171								
351	ET5402AI174B	174	0.153	94.1	2.3	3.6	NAD	NAD
Location: Roof 1 - Row 174: Black Insulation Backing Paper Row 171								
352	ET5402AI175A	175	0.356	87.0	7.3	5.7	NAD	NAD
Location: Roof 1 - Row 175: Black Roof Vapor Barrier Row 171								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
353	ET5402AI175B	175	0.476	93.3	1.1	5.6	NAD	NAD
Location: Roof 1 - Row 175: Black Roof Vapor Barrier Row 171								
354	ET5402AI176A	176	0.373	89.7	5.5	2.9	Chrysotile 1.9	NA
Location: Roof 1 - Row 176: Black Roof Flashing Tar Row 171								
355	ET5402AI176B	176	0.167	96.6	2.8	0.6	NA/PS	NA
Location: Roof 1 - Row 176: Black Roof Flashing Tar Row 171								
356	ET5402AI177A	177	0.206	87.8	5.7	6.5	NAD	NAD
Location: Roof 2 - Row 177: Light Gray EPDM Roofing								
357	ET5402AI177B	177	0.206	88.1	4.4	7.5	NAD	NAD
Location: Roof 2 - Row 177: Light Gray EPDM Roofing								
358	ET5402AI178A	178	----	----	----	----	NAD	NA
Location: Roof 2 - Row 178: White Gypsum Board 180 Row 177								
359	ET5402AI178B	177	----	----	----	----	NAD	NA
Location: Roof 2 - Row 178: White Gypsum Board 180 Row 177								
360	ET5402AI179A	179	----	----	----	----	NAD	NA
Location: Roof 2 - Row 179: Black Insulation Backing Paper Row 177								
361	ET5402AI179B	179	----	----	----	----	NAD	NA
Location: Roof 2 - Row 179: Black Insulation Backing Paper Row 177								
362	ET5402AI180A	180	----	----	----	----	NAD	NA
Location: Roof 2 - Row 180: Black Insulation Backing Paper Row 177								
363	ET5402AI180B	180	----	----	----	----	NAD	NA
Location: Roof 2 - Row 180: Black Insulation Backing Paper Row 177								
364	ET5402AI181A	181	0.431	69.7	7.3	23.0	NAD	NAD
Location: Roof 2 - Row 181: Black Roofing Vapor Barrier Row 177								
365	ET5402AI181B	181	0.186	60.5	20.2	19.3	NAD	NAD
Location: Roof 2 - Row 181: Black Roofing Vapor Barrier Row 177								
366	ET5402AI182A	182	0.097	87.6	4.4	8.0	NAD	NAD
Location: Roof 2 - Row 182: Black Roof Flashing Tar Row 177								
367	ET5402AI182B	182	0.072	93.1	2.9	4.0	NAD	NAD
Location: Roof 2 - Row 182: Black Roof Flashing Tar Row 177								
368	ET5402AI183A	183	0.209	65.3	24.5	10.2	NAD	NAD
Location: Roof 2 - Row 183: White Flashing Caulk								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
369	ET5402AI183B	183	0.216	65.6	25.2	9.2	NAD	NAD
Location: Roof 3 - Row 183: White Flashing Caulk								
370	ET5402AI184A	184	0.208	90.1	2.7	7.1	NAD	NAD
Location: Roof 4 - Row 184: Light Gray EPDM Roofing								
371	ET5402AI184B	184	0.193	88.3	4.9	6.8	NAD	NAD
Location: Roof 4 - Row 184: Light Gray EPDM Roofing								
372	ET5402AI185A	185	----	----	----	----	NAD	NA
Location: Roof 4 - Row 185: White Gypsum Board Row 184								
373	ET5402AI185B	185	----	----	----	----	NAD	NA
Location: Roof 4 - Row 185: White Gypsum Board Row 184								
374	ET5402AI186A	186	----	----	----	----	NAD	NA
Location: Roof 4 - Row 186: Black Insulation Backing Paper Row 184								
375	ET5402AI186B	186	----	----	----	----	NAD	NA
Location: Roof 4 - Row 186: Black Insulation Backing Paper Row 184								
376	ET5402AI187A	187	----	----	----	----	NAD	NA
Location: Roof 4 - Row 187: Black Insulation Backing Paper Row 184								
377	ET5402AI187B	187	----	----	----	----	NAD	NA
Location: Roof 4 - Row 187: Black Insulation Backing Paper Row 184								
378	ET5402AI188A	188	0.463	91.3	0.9	7.7	NAD	NAD
Location: Roof 4 - Row 188: Black Roof Vapor Barrier Row 184								
379	ET5402AI188B	188	0.626	93.3	1.6	5.1	NAD	NAD
Location: Roof 4 - Row 188: Black Roof Vapor Barrier Row 184								
380	ET5402AI189A	189	0.175	20.8	74.3	4.9	NAD	NAD
Location: Roof 4 - Row 189: Black Flashing Tar Row 184								
381	ET5402AI189B	189	0.777	28.6	70.3	1.1	NAD	NAD
Location: Roof 4 - Row 189: Black Flashing Tar Row 184								
382	ET5402AI190A	190	0.183	89.0	5.1	5.9	NAD	NAD
Location: Roof 5 - Row 190: Light Gray EPDM Roofing								
383	ET5402AI190B	190	0.189	88.1	4.8	7.1	NAD	NAD
Location: Roof 5 - Row 190: Light Gray EPDM Roofing								
384	ET5402AI191A	191	----	----	----	----	NAD	NA
Location: Roof 5 - Row 191: White Gypsum Board Row 190								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
385	ET5402AI191B	191	----	----	----	----	NAD	NA
Location: Roof 5 - Row 191: White Gypsum Board Row 190								
386	ET5402AI192A	192	----	----	----	----	NAD	NA
Location: Roof 5 - Row 192: Black Insulation Backing Paper Row 190								
387	ET5402AI192B	192	----	----	----	----	NAD	NA
Location: Roof 5 - Row 192: Black Insulation Backing Paper Row 190								
388	ET5402AI193A	193	----	----	----	----	NAD	NA
Location: Roof 5 - Row 193: Black Insulation Backing Paper Row 190								
389	ET5402AI193B	193	----	----	----	----	NAD	NA
Location: Roof 5 - Row 193: Black Insulation Backing Paper Row 190								
390	ET5402AI194A	194	0.570	88.2	2.6	9.2	NAD	NAD
Location: Roof 5 - Row 194: Black Roof Vapor Barrier Row 190								
391	ET5402AI194B	194	0.392	91.3	2.2	6.6	NAD	NAD
Location: Roof 5 - Row 194: Black Roof Vapor Barrier Row 190								
392	ET5402AI195A	195	0.098	98.5	0.5	1.0	NAD	NAD
Location: Roof 5 - Row 195: Black Flashing Tar Row 190								
393	ET5402AI195B	195	0.136	98.5	0.7	0.8	NAD	NAD
Location: Roof 5 - Row 195: Black Flashing Tar Row 190								
394	ET5402AI196A	196	0.334	35.2	61.8	3.0	NAD	NAD
Location: Roof 4 - Row 196: Dark Gray Caulk								
395	ET5402AI196B	196	0.288	73.2	22.3	4.5	NAD	NAD
Location: Roof 1 - Row 196: Dark Gray Caulk								
396	ET5402AI197A	197	0.267	34.3	63.9	1.8	NAD	NAD
Location: Roof 10 - Row 197: Gray Caulk								
397	ET5402AI197B	197	0.248	33.7	64.6	1.7	NAD	NAD
Location: Roof 10 - Row 197: Gray Caulk								
398	ET5402AI198A	198	0.268	87.8	6.6	5.5	NAD	NAD
Location: Roof 6 - Row 198: Light Gray EPDM Roofing								
399	ET5402AI198B	198	0.290	88.3	4.4	7.2	NAD	NAD
Location: Roof 6 - Row 198: Light Gray EPDM Roofing								
400	ET5402AI199A	199	----	----	----	----	NAD	NA
Location: Roof 6 - Row 199: White Gypsum Board Row 198								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
401	ET5402AI199B	199	----	----	----	----	NAD	NA
Location: Roof 6 - Row 199: White Gypsum Board Row 198								
402	ET5402AI200A	200	----	----	----	----	NAD	NA
Location: Roof 6 - Row 200: Black Insulation Backing Paper Row 198								
403	ET5402AI200B	200	----	----	----	----	NAD	NA
Location: Roof 6 - Row 200: Black Insulation Backing Paper Row 198								
404	ET5402AI201A	201	----	----	----	----	NAD	NA
Location: Roof 6 - Row 201: Black Insulation Backing Paper Row 198								
405	ET5402AI201B	201	----	----	----	----	NAD	NA
Location: Roof 6 - Row 201: Black Insulation Backing Paper Row 198								
406	ET5402AI202A	202	0.402	87.6	6.7	5.7	NAD	NAD
Location: Roof 6 - Row 202: Black Roof Vapor Barrier Row 198								
407	ET5402AI202B	202	0.375	86.1	8.1	5.8	NAD	NAD
Location: Roof 6 - Row 202: Black Roof Vapor Barrier Row 198								
408	ET5402AI203A	203	0.288	45.5	8.4	46.0	NAD	NAD
Location: Roof 7 - Row 203: Gray Caulk								
409	ET5402AI203B	203	0.247	51.3	42.3	6.4	NAD	NAD
Location: Roof 7 - Row 203: Gray Caulk								
410	ET5402AI204A	204	0.251	89.0	4.7	6.3	NAD	NAD
Location: Roof 8 - Row 204: Light Gray EPDM Roofing								
411	ET5402AI204B	204	0.316	89.4	6.5	4.1	NAD	NAD
Location: Roof 8 - Row 204: Light Gray EPDM Roofing								
412	ET5402AI205A	205	----	----	----	----	NAD	NA
Location: Roof 8 - Row 205: White Gypsum Board Row 204								
413	ET5402AI205B	205	----	----	----	----	NAD	NA
Location: Roof 8 - Row 205: White Gypsum Board Row 204								
414	ET5402AI206A	206	----	----	----	----	NAD	NA
Location: Roof 8 - Row 206: Black Insulation Backing Paper Row 204								
415	ET5402AI206B	206	----	----	----	----	NAD	NA
Location: Roof 8 - Row 206: Black Insulation Backing Paper Row 204								
416	ET5402AI207A	207	----	----	----	----	NAD	NA
Location: Roof 8 - Row 207: Black Insulation Backing Paper Row 204								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
417	ET5402AI207B	207	----	----	----	----	NAD	NA
Location: Roof 8 - Row 207: Black Insulation Backing Paper Row 204								
418	ET5402AI208A	208	----	----	----	----	NAD	NA
Location: Roof 8 - Row 208: White Gypsum Board Row 204								
419	ET5402AI208B	208	----	----	----	----	NAD	NA
Location: Roof 8 - Row 208: White Gypsum Board Row 204								
420	ET5402AI209A	209	0.320	77.5	5.3	17.2	NAD	NAD
Location: Roof 8 - Row 209: Black Roof Vapor Barrier Row 204								
421	ET5402AI209B	209	0.362	74.8	4.9	20.2	NAD	NAD
Location: Roof 8 - Row 209: Black Roof Vapor Barrier Row 204								
422	ET5402AI210A	210	0.309	88.1	5.9	6.1	NAD	NAD
Location: Roof 9 - Row 210: Light Gray EPDM Roofing								
423	ET5402AI210B	210	0.342	88.2	8.0	3.8	NAD	NAD
Location: Roof 9 - Row 210: Light Gray EPDM Roofing								
424	ET5402AI211A	211	----	----	----	----	NAD	NA
Location: Roof 9 - Row 211: White Gypsum Board Row 210								
425	ET5402AI211B	211	----	----	----	----	NAD	NA
Location: Roof 9 - Row 211: White Gypsum Board Row 210								
426	ET5402AI212A	212	0.165	95.5	0.9	3.6	NAD	NAD
Location: Roof 9 - Row 212: Black Roof Vapor Barrier Row 210								
427	ET5402AI212B	212	0.248	99.3	0.5	0.2	NAD	NAD
Location: Roof 9 - Row 212: Black Roof Vapor Barrier Row 210								
428	ET5402AI213A	213	0.333	44.9	35.2	19.9	NAD	NAD
Location: Roof 4 - Row 213: Gray Caulk								
429	ET5402AI213B	213	0.242	50.5	38.3	11.1	NAD	NAD
Location: Roof 4 - Row 213: Gray Caulk								
430	ET5402AI214A	214	0.286	89.5	5.2	5.3	NAD	NAD
Location: Roof 10 - Row 214: Light Gray EPDM Roofing								
431	ET5402AI214B	214	0.280	88.6	4.4	7.1	NAD	NAD
Location: Roof 10 - Row 214: Light Gray EPDM Roofing								
432	ET5402AI215A	215	----	----	----	----	NAD	NA
Location: Roof 10 - Row 215: White Gypsum Board Row 214								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5402; 2024 Capital Project; Binghamton, New York

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
433	ET5402AI215B	215	----	----	----	----	NAD	NA
Location: Roof 10 - Row 215: White Gypsum Board Row 214								
434	ET5402AI216A	216	----	----	----	----	NAD	NA
Location: Roof 10 - Row 216: Black Insulation Backing Paper Row 214								
435	ET5402AI216B	216	----	----	----	----	NAD	NA
Location: Roof 10 - Row 216: Black Insulation Backing Paper Row 214								
436	ET5402AI217A	217	----	----	----	----	NAD	NA
Location: Roof 10 - Row 217: Black Insulation Backing Paper Row 214								
437	ET5402AI217B	217	----	----	----	----	NAD	NA
Location: Roof 10 - Row 217: Black Insulation Backing Paper Row 214								
438	ET5402AI218A	218	0.595	86.9	6.8	6.3	NAD	NAD
Location: Roof 10 - Row 218: Black Roof Tar Row 214								
439	ET5402AI218B	218	0.331	84.4	5.4	10.3	NAD	NAD
Location: Roof 10 - Row 218: Black Roof Tar Row 214								
440	ET5402AI219A	219	----	----	----	----	NAD	NA
Location: Roof 10 - Row 219: Brown Isolation Board Row 214								
441	ET5402AI219B	219	----	----	----	----	NAD	NA
Location: Roof 10 - Row 219: Brown Isolation Board Row 214								
442	ET5402AI220A	220	0.180	55.7	13.9	30.4	NAD	NAD
Location: Roof 10 - Row 220: Black Roof Flashing Tar Row 214								
443	ET5402AI220B	220	0.100	92.6	5.4	2.0	NAD	NAD
Location: Roof 10 - Row 220: Black Roof Flashing Tar Row 214								

Analyzed by: Marik Peysakhov



Date: 1/16/2026

Reviewed by: Marik Peysakhov



**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 1 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI01A	Corridor 179	Row 1: Off-White 2- by 2-Foot Textured Ceiling Tile	X			
12/22/2025	ET5402AI01B	Corridor C200	Row 1: Off-White 2- by 2-Foot Textured Ceiling Tile	X			
12/22/2025	ET5402AI03A	Corridor 179	Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket	X			
12/22/2025	ET5402AI03B	Corridor C200	Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket	X			
12/22/2025	ET5402AI03C	Corridor 179	Row 3: Off-White 2-Inch Diameter Pipe TSI Jacket	X			
12/22/2025	ET5402AI04A	Corridor 179	Row 4: Gray 2-Inch Diameter Pipe TSI Jacket	X			
12/22/2025	ET5402AI04B	Corridor 179	Row 4: Gray 2-Inch Diameter Pipe TSI Jacket	X			
12/22/2025	ET5402AI04C	Corridor 179	Row 4: Gray 2-Inch Diameter Pipe TSI Jacket	X			
12/22/2025	ET5402AI05A	Corridor 179	Row 5: White CWT Grout	X			
12/22/2025	ET5402AI05B	Corridor C200	Row 5: White CWT Grout	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H. Date: 1/6/26	
Signature: Time:	Signature: Time: 11:20	

#2260111169

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 2 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI06A	Corridor 179	Row 6: Yellow CWT Adhesive Row 5		X	X	
12/22/2025	ET5402AI06B	Corridor C200	Row 6: Yellow CWT Adhesive Row 5		X	X	
12/22/2025	ET5402AI07A	Corridor 179	Row 7: Black Window Frame Caulk		X	X	
12/22/2025	ET5402AI07B	Corridor C200	Row 7: Black Window Frame Caulk		X	X	
12/22/2025	ET5402AI08A	Stair 186	Row 8: White Caulk		X	X	
12/22/2025	ET5402AI08B	Corrirdor C200	Row 8: White Caulk		X	X	
12/22/2025	ET5402AI10A	Corridor 179	Row 10: Yellow Carpet Adhesive		X	X	
12/22/2025	ET5402AI10B	Corridor C200	Row 10: Yellow Carpet Adhesive		X	X	
12/22/2025	ET5402AI11A	Corridor 179	Row 11: Gray Base Coat Wall Plaster	X			
12/22/2025	ET5402AI11B	Room 169	Row 11: Gray Base Coat Wall Plaster	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Date: 1/5/26	
Signature: Time: 1300	Signature: Fed Ex Time: 1300	
Name: Date:	Name: Makeda H. Date: 1/6/25	
Signature: Time:	Signature: Time: 11:16	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 3 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis	☒ If negative by PLM-NOB, analyze by TEM-NOB	☐ Other:		

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI11C	Room 169	Row 11: Gray Base Coat Wall Plaster	X			
12/22/2025	ET5402AI11D	Corridor C200	Row 11: Gray Base Coat Wall Plaster	X			
12/22/2025	ET5402AI11E	Corridor C200	Row 11: Gray Base Coat Wall Plaster	X			
12/22/2025	ET5402AI11F	Room 309	Row 11: Gray Base Coat Wall Plaster	X			
12/22/2025	ET5402AI11G	Room 309	Row 11: Gray Base Coat Wall Plaster	X			
12/22/2025	ET5402AI12A	Corridor 179	Row 12: White Skim Coat Wall Plaster Row 11	X			
12/22/2025	ET5402AI12B	Room 169	Row 12: White Skim Coat Wall Plaster Row 11	X			
12/22/2025	ET5402AI12C	Room 169	Row 12: White Skim Coat Wall Plaster Row 11	X			
12/22/2025	ET5402AI12D	Corridor C200	Row 12: White Skim Coat Wall Plaster Row 11	X			
12/22/2025	ET5402AI12E	Corridor C200	Row 12: White Skim Coat Wall Plaster Row 11	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: McKeda th Date: 1/6/26	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 4 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis	☒ If negative by PLM-NOB, analyze by TEM-NOB	☐ Other:		

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI12F	Room 309	Row 12: White Skim Coat Wall Plaster Row 11	X			
12/22/2025	ET5402AI12G	Room 309	Row 12: White Skim Coat Wall Plaster Row 11	X			
12/22/2025	ET5402AI13A	Corridor 179	Row 13: Brown Fibrous Board	X			
12/22/2025	ET5402AI13B	Corridor 179	Row 13: Brown Fibrous Board	X			
12/22/2025	ET5402AI14A	Classroom 174	Row 14: Off-White Rough Ceiling Tile	X			
12/22/2025	ET5402AI14B	Classroom 213	Row 14: Off-White Rough Ceiling Tile	X			
12/22/2025	ET5402AI16A	Classroom 177	Row 16: Black 6-Inch Cove Base		X	X	
12/22/2025	ET5402AI16B	Classroom 184	Row 16: Black 6-Inch Cove Base		X	X	
12/22/2025	ET5402AI17A	Classroom 177	Row 17: Tan Adhesive Row 16		X	X	
12/22/2025	ET5402AI17B	Classroom 184	Row 17: Tan Adhesive Row 16		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H. Date: 1/6/26	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES #2260111169
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 5 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI18A	Classroom 177	Row 18: Yellow Adhesive		X	X	
12/22/2025	ET5402AI18B	Classroom 184	Row 18: Yellow Adhesive		X	X	
12/29/2025	ET5402AI19A	South Exterior	Row 19: Dark Gray Adhesive Row 4 Row 159		X	X	
12/29/2025	ET5402AI19B	South Exterior	Row 19: Dark Gray Adhesive Row 4 Row 159		X	X	
12/23/2025	ET5402AI20A	Classroom 177/178	Row 20: Black Fibrous Board	X			
12/23/2025	ET5402AI20B	Classroom 205A	Row 20: Black Fibrous Board	X			
12/23/2025	ET5402AI21A	Classroom 177/178	Row 21: Gray Window Caulk		X	X	
12/23/2025	ET5402AI21B	Classroom 205A	Row 21: Gray Window Caulk		X	X	
12/23/2025	ET5402AI22A	Elevator 168	Row 22: Yellow Floor Tile Associated Yellow Mastic Row 110		X	X	
12/23/2025	ET5402AI22B	Elevator 168	Row 22: Yellow Floor Tile Associated Yellow Mastic Row 110		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makedath Date: 1/6/25	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 6 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI23A	Classroom 177/178	Row 23: Clear Caulk		X	X	
12/23/2025	ET5402AI23B	Classroom 177/178	Row 23: Clear Caulk		X	X	
12/23/2025	ET5402AI24A	Classroom 177/178	Row 24: Black Window Butyl		X	X	
12/23/2025	ET5402AI24B	Classroom 205A	Row 24: Black Window Butyl		X	X	
12/23/2025	ET5402AI25A	Stair 186	Row 25: White Door Lite Butyl		X	X	
12/23/2025	ET5402AI25B	Stair 211	Row 25: White Door Lite Butyl		X	X	
12/23/2025	ET5402AI26A	Toilet 176	Row 26: White Door Frame Caulk		X	X	
12/23/2025	ET5402AI26B	Toilet 176	Row 26: White Door Frame Caulk		X	X	
12/23/2025	ET5402AI27A	Toilet 176	Row 27: Off-White Gypsum Board	X			
12/23/2025	ET5402AI27B	Guidance 215	Row 27: Off-White Gypsum Board	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: FedEx Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makedatt Date: 1/6/26	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 7 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI28A	Toilet 176	Row 28: Tan Gypsum Wall Board Associated Tan Seam Tape Row 27	X			
12/23/2025	ET5402AI28B	OT/PT	Row 28: Tan Gypsum Wall Board Associated Tan Seam Tape Row 27	X			
12/23/2025	ET5402AI29A	Toilet 176	Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27	X			
12/23/2025	ET5402AI29B	Guidance	Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27	X			
12/23/2025	ET5402AI29C	OT/PT	Row 29: White Gypsum Wall Board Associated White Joint Compound Row 27	X			
12/23/2025	ET5402AI30A	Toilet 176	Row 30: Light Gray 4-Inch Cove Base		X	X	
12/23/2025	ET5402AI30B	Toilet 176	Row 30: Light Gray 4-Inch Cove Base		X	X	
12/23/2025	ET5402AI31A	Toilet 176	Row 31: Beige Adhesive Associated with Row 30		X	X	
12/23/2025	ET5402AI31B	Toilet 176	Row 31: Beige Adhesive Associated with Row 30		X	X	
12/23/2025	ET5402AI32A	Toilet G311T	Row 32: White Fixture Caulk		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/25	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 8 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI32B	Toilet 207A	Row 32: White Fixture Caulk		X	X	
12/29/2025	ET5402AI33A	Shower 110	Row 33: Off-White Gypsum Ceiling Board	X			
12/29/2025	ET5402AI33B	Shower 110	Row 33: Off-White Gypsum Ceiling Board	X			
12/29/2025	ET5402AI35A	Shower 110	Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33	X			
12/29/2025	ET5402AI35B	Shower 110	Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33	X			
12/29/2025	ET5402AI35C	Shower 110	Row 35: White Gypsum Ceiling Board Associated White Joint Compound Row 33	X			
12/29/2025	ET5402AI36A	Toilet 176	Row 36: Brown Door Frame Caulk		X	X	
12/29/2025	ET5402AI36B	Toilet 176	Row 36: Brown Door Frame Caulk		X	X	
12/23/2025	ET5402AI37A	Toilet G311TA	Row 37: White CWT Grout	X			
12/23/2025	ET5402AI37B	Toilet B311TA	Row 37: White CWT Grout	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: DP Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
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ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 9 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI38A	Toilet 214	Row 38: Gray CWT Mortar Row 37	X			
12/23/2025	ET5402AI38B	Toilet B311TA	Row 38: Gray CWT Mortar Row 37	X			
12/23/2025	ET5402AI39A	Toilet B311TA	Row 39: Gray CFT Grout	X			
12/23/2025	ET5402AI39B	Toilet 214	Row 39: Gray CFT Grout	X			
12/23/2025	ET5402AI40A	Toilet B311TA	Row 40: Gray CFT Mortar Row 39	X			
12/23/2025	ET5402AI40B	Toilet G311TA	Row 40: Gray CFT Mortar Row 39	X			
12/23/2025	ET5402AI41A	Toilet 175A	Row 41: Black Adhesive		X	X	
12/23/2025	ET5402AI41B	Toilet 175A	Row 41: Black Adhesive		X	X	
12/29/2025	ET5402AI42A	Toilet 175A	Row 42: Gray Grout	X			
12/29/2025	ET5402AI42B	Toilet 214A	Row 42: Gray Grout	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Malcolm H Date: 1/6/26	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 10 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI43A	Toilet 175	Row 43: Off-White Fixture Caulk		X	X	
12/29/2025	ET5402AI43B	Toilet 175	Row 43: Off-White Fixture Caulk		X	X	
12/29/2025	ET5402AI44A	Classroom 174	Row 44: Light Gray 6-Inch Cove Base		X	X	
12/29/2025	ET5402AI44B	Classroom 174	Row 44: Light Gray 6-Inch Cove Base		X	X	
12/29/2025	ET5402AI45A	Classroom 174	Row 45: Brown Adhesive Associated with		X	X	
12/29/2025	ET5402AI45B	Classroom 174	Row 45: Brown Adhesive Associated with		X	X	
12/22/2025	ET5402AI48A	Corridor 179	Row 48: Gray Wallpaper	X			
12/22/2025	ET5402AI48B	Corridor C200	Row 48: Gray Wallpaper	X			
12/29/2025	ET5402AI49A	Stair 100	Row 49: Gray Base Coat Wall Plaster	X			
12/29/2025	ET5402AI49B	Stair 100	Row 49: Gray Base Coat Wall Plaster	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H. Date: 1/6/26	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 11 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI49C	Stair 186	Row 49: Gray Base Coat Wall Plaster	X			
12/29/2025	ET5402AI49D	Stair 186	Row 49: Gray Base Coat Wall Plaster	X			
12/29/2025	ET5402AI49E	Corridor C200	Row 49: Gray Base Coat Wall Plaster	X			
12/29/2025	ET5402AI49F	Corridor C200	Row 49: Gray Base Coat Wall Plaster	X			
12/29/2025	ET5402AI49G	Corridor 312	Row 49: Gray Base Coat Wall Plaster	X			
12/29/2025	ET5402AI50A	Stair 100	Row 50: White Skim Coat Wall Plaster Row 49	X			
12/29/2025	ET5402AI50B	Stair 100	Row 50: White Skim Coat Wall Plaster Row 49	X			
12/29/2025	ET5402AI50C	Stair 186	Row 50: White Skim Coat Wall Plaster Row 49	X			
12/29/2025	ET5402AI50D	Stair 186	Row 50: White Skim Coat Wall Plaster Row 49	X			
12/29/2025	ET5402AI50E	Corridor C200	Row 50: White Skim Coat Wall Plaster Row 49	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 11:10	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 12 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI50F	Corridor C200	Row 50: White Skim Coat Wall Plaster Row 49	X			
12/29/2025	ET5402AI50G	Corridor 312	Row 50: White Skim Coat Wall Plaster Row 49	X			
12/29/2025	ET5402AI51A	Custodial 169	Row 51: Off-White Gypsum Wall Board	X			
12/29/2025	ET5402AI51B	Custodial 169	Row 51: Off-White Gypsum Wall Board	X			
12/29/2025	ET5402AI53A	Faculty Room 170	Row 53: White Caulk		X	X	
12/29/2025	ET5402AI53B	Toilet 171	Row 53: White Caulk		X	X	
12/29/2025	ET5402AI54A	Copy 173	Row 54: Black 4-Inch Cove Base		X	X	
12/29/2025	ET5402AI54B	Band 133	Row 54: Black 4-Inch Cove Base		X	X	
12/29/2025	ET5402AI55A	Copy 173	Row 55: Tan Cove Base Associated Tan Adhesive		X	X	
12/29/2025	ET5402AI55B	Band 133	Row 55: Tan Cove Base Associated Tan Adhesive		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: DP Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: DP Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Marcedes Hurd Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 13 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI56A	Faculty Room 170	Row 56: Gray Sink Coating		X	X	
12/29/2025	ET5402AI56B	Classroom 164	Row 56: Gray Sink Coating		X	X	
12/29/2025	ET5402AI57A	Custodial 169	Row 57: White CWT Grout	X			
12/29/2025	ET5402AI57B	Custodial 169	Row 57: White CWT Grout	X			
12/29/2025	ET5402AI58A	Custodial 169	Row 58: Gray CWT Mortar Row 57	X			
12/29/2025	ET5402AI58B	Custodial 169	Row 58: Gray CWT Mortar Row 57	X			
12/29/2025	ET5402AI59A	Custodial 169	Row 59: Gray CFT Grout	X			
12/29/2025	ET5402AI59B	Custodial 169	Row 59: Gray CFT Grout	X			
12/29/2025	ET5402AI60A	Custodial 169	Row 60: Gray CFT Mortar Row 59	X			
12/29/2025	ET5402AI60B	Custodial 169	Row 60: Gray CFT Mortar Row 59	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: FedEx Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 14 of 45

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Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI61A	Custodial 169	Row 61: White 2- by 4-Foot Fissured and Pinholed Ceiling Tile	X			
12/23/2025	ET5402AI61B	Passage 146A	Row 61: White 2- by 4-Foot Fissured and Pinholed Ceiling Tile	X			
12/23/2025	ET5402AI62A	Custodial 169	Row 62: Gray Cementitious Wall Patch		X	X	
12/23/2025	ET5402AI62B	Custodial 169	Row 62: Gray Cementitious Wall Patch		X	X	
12/23/2025	ET5402AI62C	Custodial 169	Row 62: Gray Cementitious Wall Patch		X	X	
12/23/2025	ET5402AI63A	Custodial 169	Row 63: White Caulk		X	X	
12/23/2025	ET5402AI63B	Custodial 169	Row 63: White Caulk		X	X	
12/23/2025	ET5402AI64A	Custodial 169	Row 64: Beige Adhesive		X	X	
12/23/2025	ET5402AI64B	Custodial 169	Row 64: Beige Adhesive		X	X	
12/23/2025	ET5402AI65A	Corridor C200	Row 65: White Fire Stop Sealant		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: ~~1300~~ 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 15 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI65B	Corridor C200	Row 65: White Fire Stop Sealant		X	X	
12/22/2025	ET5402AI66A	Corridor 154A	Row 66: Red Fire Stop Sealant		X	X	
12/22/2025	ET5402AI66B	Stair 186	Row 66: Red Fire Stop Sealant		X	X	
12/29/2025	ET5402AI67A	Corridor 154	Row 67: Off-White 2- by 4-Foot Textured Ceiling Tile	X			
12/29/2025	ET5402AI67B	Corridor 312	Row 67: Off-White 2- by 4-Foot Textured Ceiling Tile	X			
12/29/2025	ET5402AI68A	Music 117	Row 68: Gray Spray-Applied Fire Proofing	X			
12/29/2025	ET5402AI68B	Music 117	Row 68: Gray Spray-Applied Fire Proofing	X			
12/29/2025	ET5402AI68C	Boys Locker 108	Row 68: Gray Spray-Applied Fire Proofing	X			
12/29/2025	ET5402AI68D	Boys Locker 108	Row 68: Gray Spray-Applied Fire Proofing	X			
12/29/2025	ET5402AI68E	Girls Locker 136B	Row 68: Gray Spray-Applied Fire Proofing	X			

Sampler:
Name: Dylan Putnam Date: 12/29/25
Signature: [signature] Time: 1800

Samples Relinquished By:
Name: Dylan Putnam Date: 1/5/26
Signature: [signature] Time: 1300

Name: Date:
Signature: Time:

Laboratory:
Name: Date:
Signature: Time:

Samples Received By:
Name: Fed Date: 1/5/26
Signature: Ex Time: 1300

Name: Makeda H Date: 1/6/26
Signature: [signature] Time: 1110

Field and Laboratory Remarks:

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 16 of 45

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Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI68F	Girls Locker 136B	Row 68: Gray Spray-Applied Fire Proofing	X			
12/29/2025	ET5402AI68G	Classroom 304	Row 68: Gray Spray-Applied Fire Proofing	X			
12/29/2025	ET5402AI69A	Custodial 169	Row 69: Brown CFT Adhesive Row 59	X			
12/29/2025	ET5402AI69B	Custodial 169	Row 69: Brown CFT Adhesive Row 59	X			
12/23/2025	ET5402AI70A	Classroom 309	Row 70: Black Sink Coating		X	X	
12/23/2025	ET5402AI70B	Classroom 301	Row 70: Black Sink Coating		X	X	
12/29/2025	ET5402AI72A	Classroom 165	Row 72: Black Caulk		X	X	
12/29/2025	ET5402AI72B	Stair 100	Row 72: Black Caulk		X	X	
12/29/2025	ET5402AI73A	Classroom 164	Row 73: Beige 12- by 12-Inch Streaked Floor Tile		X	X	
12/29/2025	ET5402AI73B	Classroom 164	Row 73: Beige 12- by 12-Inch Streaked Floor Tile		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 17 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI74A	Classroom 164	Row 74: Black Floor Tile Associated Black Mastic Row 73		X	X	
12/29/2025	ET5402AI74B	Classroom 164	Row 74: Black Floor Tile Associated Black Mastic Row 73		X	X	
12/29/2025	ET5402AI75A	Classroom 164	Row 75: Gray Floor Filler		X	X	
12/29/2025	ET5402AI75B	Classroom 164	Row 75: Gray Floor Filler		X	X	
12/29/2025	ET5402AI77A	Classroom 164	Row 77: Off-White 12- by 12-Inch Speckled Floor Tile		X	X	
12/29/2025	ET5402AI77B	Classroom 164	Row 77: Off-White 12- by 12-Inch Speckled Floor Tile		X	X	
12/29/2025	ET5402AI78A	Classroom 164	Row 78: Black Floor Tile Associated Black Mastic Row 77		X	X	
12/29/2025	ET5402AI78B	Classroom 164	Row 78: Black Floor Tile Associated Black Mastic Row 77		X	X	
12/29/2025	ET5402AI79A	Classroom 164	Row 79: Brown 6-Inch Cove Base		X	X	
12/29/2025	ET5402AI79B	Classroom 164	Row 79: Brown 6-Inch Cove Base		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Mikeck H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 18 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI80A	Classroom 164	Row 80: Brown Adhesive Associated with Row 79		X	X	
12/29/2025	ET5402AI80B	Classroom 164	Row 80: Brown Adhesive Associated with Row 79		X	X	
12/29/2025	ET5402AI81A	Stair 100	Row 81: Gray Base Coat Ceiling Plaster	X			
12/29/2025	ET5402AI81B	Stair 100	Row 81: Gray Base Coat Ceiling Plaster	X			
12/29/2025	ET5402AI81C	Stair 186	Row 81: Gray Base Coat Ceiling Plaster	X			
12/29/2025	ET5402AI81D	Stair 186	Row 81: Gray Base Coat Ceiling Plaster	X			
12/29/2025	ET5402AI81E	Stair 210	Row 81: Gray Base Coat Ceiling Plaster	X			
12/29/2025	ET5402AI82A	Stair 100	Row 82: White Skim Coat Ceiling Plaster Row 81	X			
12/29/2025	ET5402AI82B	Stair 100	Row 82: White Skim Coat Ceiling Plaster Row 81	X			
12/29/2025	ET5402AI82C	Stair 186	Row 82: White Skim Coat Ceiling Plaster Row 81	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: DP Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: DP Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Malcolm H Date: 1/6/26	
Signature: Time:	Signature: Time: 1160	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 19 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI82D	Stair 186	Row 82: White Skim Coat Ceiling Plaster Row 81	X			
12/29/2025	ET5402AI82E	Stair 210	Row 82: White Skim Coat Ceiling Plaster Row 81	X			
12/29/2025	ET5402AI83A	Corridor 154	Row 83: Off-White Speckled Terrazzo		X	X	
12/29/2025	ET5402AI83B	Lobby 149	Row 83: Off-White Speckled Terrazzo		X	X	
12/29/2025	ET5402AI84A	Corridor 154	Row 84: Gray Mortar Row 83		X	X	
12/29/2025	ET5402AI84B	Lobby 149	Row 84: Gray Mortar Row 83		X	X	
12/29/2025	ET5402AI85A	Corridor 154	Row 85: Off-White Speckled Terrazzo		X	X	
12/29/2025	ET5402AI85B	Lobby 149	Row 85: Off-White Speckled Terrazzo		X	X	
12/29/2025	ET5402AI86A	Corridor 154	Row 86: Gray Mortar		X	X	
12/29/2025	ET5402AI86B	Lobby 149	Row 86: Gray Mortar		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 20 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI87A	Stair 100	Row 87: White Grout		X	X	
12/29/2025	ET5402AI87B	Stair 186	Row 87: White Grout		X	X	
12/29/2025	ET5402AI88A	Stair 100	Row 88: White Caulk		X	X	
12/29/2025	ET5402AI88B	Stair 186	Row 88: White Caulk		X	X	
12/29/2025	ET5402AI89A	Boys Locker 108	Row 89: Gray CFT Grout		X	X	
12/29/2025	ET5402AI89B	Laundry 144	Row 89: Gray CFT Grout		X	X	
12/29/2025	ET5402AI90A	Boys Locker 108	Row 90: Gray CFT Mortar Row 89		X	X	
12/29/2025	ET5402AI90B	Laundry 144	Row 90: Gray CFT Mortar Row 89		X	X	
12/29/2025	ET5402AI91A	Toilet 181T	Row 91: Off-White 1- by 1-Foot Fissured and Pinholed Ceiling Tile	X			
12/29/2025	ET5402AI91B	Toilet 183T	Row 91: Off-White 1- by 1-Foot Fissured and Pinholed Ceiling Tile	X			

Sampler:
Name: Dylan Putnam Date: 12/29/25
Signature: [signature] Time: 1800

Samples Relinquished By:
Name: Dylan Putnam Date: 1/5/26
Signature: [signature] Time: 1300

Name: Date:
Signature: Time:

Laboratory:
Name: Date:
Signature: Time:

Samples Received By:
Name: Fed Date: 1/5/26
Signature: Ex Time: 1300

Name: Makeda H Date: 1/6/26
Signature: [signature] Time: 1110

Field and Laboratory Remarks:

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 21 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI92A	Toilet 181T	Row 92: White Adhesive Associated with		X	X	
12/29/2025	ET5402AI92B	Toilet 183T	Row 92: White Adhesive Associated with		X	X	
12/23/2025	ET5402AI93A	Classroom 183	Row 93: Gray Gasket		X	X	
12/23/2025	ET5402AI93B	Corridor 312	Row 93: Gray Gasket		X	X	
12/29/2025	ET5402AI95A	Classroom 185	Row 95: Gray CFT Grout	X			
12/29/2025	ET5402AI95B	Classroom 185	Row 95: Gray CFT Grout	X			
12/29/2025	ET5402AI96A	Classroom 185	Row 96: Gray CFT Mortar Row 95	X			
12/29/2025	ET5402AI96B	Classroom 185	Row 96: Gray CFT Mortar Row 95	X			
12/29/2025	ET5402AI97A	Stair 100	Row 97: Off-White Door Lite Butyl		X	X	
12/29/2025	ET5402AI97B	Stair 186	Row 97: Off-White Door Lite Butyl		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: DP Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: DP Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Marked # Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

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ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 22 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI99A	Toilet 207A	Row 99: White 2-Inch Diameter Pipe TSI Jacket	X			
12/29/2025	ET5402AI99B	Toilet 207A	Row 99: White 2-Inch Diameter Pipe TSI Jacket	X			
12/29/2025	ET5402AI99C	Toilet 214A	Row 99: White 2-Inch Diameter Pipe TSI Jacket	X			
12/29/2025	ET5402AI100A	Toilet 207A	Row 100: White Pipe TSI End Sealant Row 99		X	X	
12/29/2025	ET5402AI100B	Toilet 207A	Row 100: White Pipe TSI End Sealant Row 99		X	X	
12/29/2025	ET5402AI100C	Toilet 214A	Row 100: White Pipe TSI End Sealant Row 99		X	X	
12/29/2025	ET5402AI101A	Toilet 207	Row 101: White CWT Grout	X			
12/29/2025	ET5402AI101B	Toilet 214	Row 101: White CWT Grout	X			
12/29/2025	ET5402AI102A	Toilet 207	Row 102: Beige CWT Adhesive	X			
12/29/2025	ET5402AI102B	Toilet 214	Row 102: Beige CWT Adhesive	X			

Sampler:
Name: Dylan Putnam Date: 12/29/25
Signature: [signature] Time: 1800

Samples Relinquished By:
Name: Dylan Putnam Date: 1/5/26
Signature: [signature] Time: 1300

Name: Date:
Signature: Time:

Laboratory:
Name: Date:
Signature: Time:

Samples Received By:
Name: FeD Date: 1/5/26
Signature: FR Time: 1300

Name: Makeda H Date: 1/6/25
Signature: [signature] Time: 1110

Field and Laboratory Remarks:

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ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 23 of 45

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Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI103A	Toilet B311TA	Row 103: White 2- by 4-Foot Smooth Ceiling Tile	X			
12/29/2025	ET5402AI103B	Toilet G311TA	Row 103: White 2- by 4-Foot Smooth Ceiling Tile	X			
12/29/2025	ET5402AI105A	Classroom 205A	Row 105: Clear Caulk		X	X	
12/29/2025	ET5402AI105B	Toilet G311TA	Row 105: Clear Caulk		X	X	
12/29/2025	ET5402AI108A	Cafetorium 130	Row 108: Gray Block Mortar	X			
12/29/2025	ET5402AI108B	Custodial 119	Row 108: Gray Block Mortar	X			
12/23/2025	ET5402AI110A	Elevator 168	Row 110: Off-White 12- by 12-Inch Mottled Floor Tile		X	X	
12/23/2025	ET5402AI110B	Elevator 168	Row 110: Off-White 12- by 12-Inch Mottled Floor Tile		X	X	
12/23/2025	ET5402AI112A	Office 307B	Row 112: Yellow Carpet Adhesive		X	X	
12/23/2025	ET5402AI112B	Office 307B	Row 112: Yellow Carpet Adhesive		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project				**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com				**Page Number:** 24 of 45
Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI113A	Pipe Tunnel	Row 113: Gray HVAC Seam Sealant		X	X	
12/23/2025	ET5402AI113B	Pipe Tunnel	Row 113: Gray HVAC Seam Sealant		X	X	
12/23/2025	ET5402AI114A	Stair B5	Row 114: Gray Block Mortar	X			
12/23/2025	ET5402AI114B	Stair B5	Row 114: Gray Block Mortar	X			
12/23/2025	ET5402AI115A	Lobby 149	Row 115: Gray Brick Mortar	X			
12/23/2025	ET5402AI115B	Corridor 142	Row 115: Gray Brick Mortar	X			
12/23/2025	ET5402AI117A	Lobby 149	Row 117: Brown 4-Inch Cove Base		X	X	
12/23/2025	ET5402AI117B	Nurse 151	Row 117: Brown 4-Inch Cove Base		X	X	
12/23/2025	ET5402AI118A	Lobby 149	Row 118: Tan Cove Base Associated Tan Adhesive Row 117		X	X	
12/23/2025	ET5402AI118B	Nurse 151	Row 118: Tan Cove Base Associated Tan Adhesive Row 117		X	X	

Sampler:
Name: Dylan Putnam Date: 12/29/25
Signature: [signature] Time: 1800

Samples Relinquished By:
Name: Dylan Putnam Date: 1/5/26
Signature: [signature] Time: 1300

Name: Date:
Signature: Time:

Laboratory:
Name: Date:
Signature: Time:

Samples Received By:
Name: Fed Date: 1/5/26
Signature: Ex Time: 1300

Name: Makeda H Date: 1/6/26
Signature: [signature] Time: 1110

Field and Laboratory Remarks:

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 25 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI119A	Passage 146A	Row 119: White CWT Grout	X			
12/23/2025	ET5402AI119B	Passage 146A	Row 119: White CWT Grout	X			
12/23/2025	ET5402AI120A	Passage 146A	Row 120: Off-White CWT Adhesive	X			
12/23/2025	ET5402AI120B	Passage 146A	Row 120: Off-White CWT Adhesive	X			
12/23/2025	ET5402AI121A	Passage 146A	Row 121: Gray CFT Grout	X			
12/23/2025	ET5402AI121B	Passage 146A	Row 121: Gray CFT Grout	X			
12/23/2025	ET5402AI122A	Passage 146A	Row 122: Gray CFT Mortar Row 121	X			
12/23/2025	ET5402AI122B	Passage 146A	Row 122: Gray CFT Mortar Row 121	X			
12/23/2025	ET5402AI123A	Girls 146	Row 123: Gray CWT Grout	X			
12/23/2025	ET5402AI123B	Girls 146	Row 123: Gray CWT Grout	X			

Sampler:

Name: Dylan Putnam Date: 12/29/25
Signature: [signature] Time: 1800

Samples Relinquished By:

Name: Dylan Putnam Date: 1/5/26
Signature: [signature] Time: 1300

Name: Date:
Signature: Time:

Laboratory:

Name: Date:
Signature: Time:

Samples Received By:

Name: Fed Date: 1/5/26
Signature: [signature] Time: 1300

Name: Makeda H Date: 1/6/26
Signature: [signature] Time: 1110

Field and Laboratory Remarks:

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project		**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com		**Page Number:** 26 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI124A	Girls 146	Row 124: Brown CWT Adhesive	X			
12/23/2025	ET5402AI124B	Girls 146	Row 124: Brown CWT Adhesive	X			
12/23/2025	ET5402AI125A	Girls 146	Row 125: Gray CFT Grout	X			
12/23/2025	ET5402AI125B	Girls 146	Row 125: Gray CFT Grout	X			
12/23/2025	ET5402AI126A	Girls 146	Row 126: Gray CFT Mortar Row 125	X			
12/23/2025	ET5402AI126B	Girls 146	Row 126: Gray CFT Mortar Row 125	X			
12/23/2025	ET5402AI127A	Boys 143	Row 127: Gray Base Coat Ceiling Plaster	X			
12/23/2025	ET5402AI127B	Boys 143	Row 127: Gray Base Coat Ceiling Plaster	X			
12/23/2025	ET5402AI127C	Boys 143	Row 127: Gray Base Coat Ceiling Plaster	X			
12/23/2025	ET5402AI127D	Girls 146	Row 127: Gray Base Coat Ceiling Plaster	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Marcela A Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 27 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI127E	Girls 146	Row 127: Gray Base Coat Ceiling Plaster	X			
12/23/2025	ET5402AI127F	Girls 146	Row 127: Gray Base Coat Ceiling Plaster	X			
12/23/2025	ET5402AI127G	Library 155	Row 127: Gray Base Coat Ceiling Plaster	X			
12/23/2025	ET5402AI128A	Boys 143	Row 128: Beige Skim Coat Ceiling Plaster Row 127	X			
12/23/2025	ET5402AI128B	Boys 143	Row 128: Beige Skim Coat Ceiling Plaster Row 127	X			
12/23/2025	ET5402AI128C	Boys 143	Row 128: Beige Skim Coat Ceiling Plaster Row 127	X			
12/23/2025	ET5402AI128D	Girls 146	Row 128: Beige Skim Coat Ceiling Plaster Row 127	X			
12/23/2025	ET5402AI128E	Girls 146	Row 128: Beige Skim Coat Ceiling Plaster Row 127	X			
12/23/2025	ET5402AI128F	Girls 146	Row 128: Beige Skim Coat Ceiling Plaster Row 127	X			
12/23/2025	ET5402AI128G	Library 155	Row 128: Beige Skim Coat Ceiling Plaster Row 127	X			

Sampler:
Name: Dylan Putnam Date: 12/29/25
Signature: [signature] Time: 1800

Samples Relinquished By:
Name: Dylan Putnam Date: 1/5/26
Signature: [signature] Time: 1300

Name: Date:
Signature: Time:

Laboratory:
Name: Date:
Signature: Time:

Samples Received By:
Name: Fed Date: 1/5/26
Signature: Ex Time: 1300

Name: Malcolm H Date: 1/6/26
Signature: [signature] Time: 1160

Field and Laboratory Remarks:

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 28 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI129A	Band 133	Row 129: Yellow Carpet Adhesive		X	X	
12/29/2025	ET5402AI129B	Music 117	Row 129: Yellow Carpet Adhesive		X	X	
12/23/2025	ET5402AI130A	Cafetorium 131	Row 130: Blue Stage Curtain	X			
12/23/2025	ET5402AI130B	Cafetorium 131	Row 130: Blue Stage Curtain	X			
12/23/2025	ET5402AI131A	Cafetorium 131	Row 131: White Textured Wallboard	X			
12/23/2025	ET5402AI131B	Gym 130	Row 131: White Textured Wallboard	X			
12/23/2025	ET5402AI132A	Cafetorium 131	Row 132: Gray Block Mortar	X			
12/23/2025	ET5402AI132B	Girls Locker 135B	Row 132: Gray Block Mortar	X			
12/23/2025	ET5402AI133A	Storage 121	Row 133: Off-White Refractory Brick	X			
12/23/2025	ET5402AI133B	Storage 121	Row 133: Off-White Refractory Brick	X			

Sampler:

Name: Dylan Putnam Date: 12/29/25
Signature: [signature] Time: 1800

Samples Relinquished By:

Name: Dylan Putnam Date: 1/5/26
Signature: [signature] Time: 1300

Name: Date:
Signature: Time:

Laboratory:

Name: Date:
Signature: Time:

Samples Received By:

Name: Fed Ex Date: 1/5/26
Signature: Time: 1300

Name: Malcolm # Date: 1/6/26
Signature: [signature] Time: 1110

Field and Laboratory Remarks:

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 29 of 45

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Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI134A	Gym 130	Row 134: Brown Adhesive Associated with Row 133 Row 131		X	X	
12/23/2025	ET5402AI134B	Gym 130	Row 134: Brown Adhesive Associated with Row 133 Row 131		X	X	
12/23/2025	ET5402AI136A	Boiler Room	Row 136: White 12-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI136B	Boiler Room	Row 136: White 12-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI136C	Boiler Room	Row 136: White 12-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI137A	Boiler Room	Row 137: White Pipe TSI End Sealant		X	X	
12/23/2025	ET5402AI137B	Boiler Room	Row 137: White Pipe TSI End Sealant		X	X	
12/23/2025	ET5402AI137C	Boiler Room	Row 137: White Pipe TSI End Sealant		X	X	
12/23/2025	ET5402AI138A	Boiler Room	Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI138B	Boiler Room	Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Date: 1/6/26	
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ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York	
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 30 of 45	

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI138C	Boiler Room	Row 138: Off-White 6-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI139A	Boiler Room	Row 139: White Pipe TSI End Sealant		X	X	
12/23/2025	ET5402AI139B	Boiler Room	Row 139: White Pipe TSI End Sealant		X	X	
12/23/2025	ET5402AI139C	Boiler Room	Row 139: White Pipe TSI End Sealant		X	X	
12/23/2025	ET5402AI140A	Boiler Room	Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI140B	Boiler Room	Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI140C	Boiler Room	Row 140: Off-White 6-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI141A	Boiler Room	Row 141: Black Tar Row 138		X	X	
12/23/2025	ET5402AI141B	Boiler Room	Row 141: Black Tar Row 138		X	X	
12/23/2025	ET5402AI141C	Boiler Room	Row 141: Black Tar Row 138		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1308	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 416	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

Albany
22 Corporate Drive
Clifton Park, NY 12065
518-383-9144 (T)
518-383-9166 (F)
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Binghamton
126 Park Avenue
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607-773-1812 (T)
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Watertown
26581 NYS Route 283
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315-786-7887 (T)
315-786-2022 (F)
labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 31 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI147A	Boiler Room	Row 147: White Tank TSI Jacket	X			
12/23/2025	ET5402AI147B	Boiler Room	Row 147: White Tank TSI Jacket	X			
12/23/2025	ET5402AI147C	Boiler Room	Row 147: White Tank TSI Jacket	X			
12/23/2025	ET5402AI148A	Boiler Room	Row 148: Light Gray Tank TSI Row 147	X			
12/23/2025	ET5402AI148B	Boiler Room	Row 148: Light Gray Tank TSI Row 147	X			
12/23/2025	ET5402AI148C	Boiler Room	Row 148: Light Gray Tank TSI Row 147	X			
12/23/2025	ET5402AI149A	Boiler Room	Row 149: Silver HVAC TSI Jacket	X			
12/23/2025	ET5402AI149B	Boiler Room	Row 149: Silver HVAC TSI Jacket	X			
12/23/2025	ET5402AI149C	Boiler Room	Row 149: Silver HVAC TSI Jacket	X			
12/23/2025	ET5402AI151A	Boiler Room	Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Malcolm H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

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labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET@atlantictesting.com	**Page Number:** 32 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI151B	Boiler Room	Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket	X			
12/23/2025	ET5402AI151C	Boiler Room	Row 151: Off-White 2-Inch Diameter Pipe TSI Jacket	X			
12/29/2025	ET5402AI153A	South Exterior	Row 153: Light Gray Mortar	X			
12/29/2025	ET5402AI153B	South Exterior	Row 153: Light Gray Mortar	X			
12/29/2025	ET5402AI154A	South Exterior	Row 154: Gray Brick Mortar	X			
12/29/2025	ET5402AI154B	South Exterior	Row 154: Gray Brick Mortar	X			
12/29/2025	ET5402AI155A	South Exterior	Row 155: Beige Surfacing Coat	X			
12/29/2025	ET5402AI155B	South Exterior	Row 155: Beige Surfacing Coat	X			
12/29/2025	ET5402AI155C	South Exterior	Row 155: Beige Surfacing Coat	X			
12/29/2025	ET5402AI156A	North Exterior	Row 156: Black Tar		X	X	

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 33 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI156B	North Exterior	Row 156: Black Tar		X	X	
12/29/2025	ET5402AI157A	South Exterior	Row 157: Dark Gray Window Frame Caulk		X	X	
12/29/2025	ET5402AI157B	South Exterior	Row 157: Dark Gray Window Frame Caulk		X	X	
12/29/2025	ET5402AI158A	South Exterior	Row 158: Black Window Butyl		X	X	
12/29/2025	ET5402AI158B	South Exterior	Row 158: Black Window Butyl		X	X	
12/29/2025	ET5402AI160A	South Exterior	Row 160: Dark Gray Caulk		X	X	
12/29/2025	ET5402AI160B	South Exterior	Row 160: Dark Gray Caulk		X	X	
12/29/2025	ET5402AI161A	South Exterior	Row 161: Beige Expansion Joint Caulk		X	X	
12/29/2025	ET5402AI161B	South Exterior	Row 161: Beige Expansion Joint Caulk		X	X	
12/23/2025	ET5402AI162A	OT Office 139	Row 162: White 2- by 2-Foot Smooth Ceiling Tile	X			

Sampler:	**Laboratory:**	**Field and Laboratory Remarks:**
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: DP Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: FW Date: 1/5/26	
Signature: DP Time: 1300	Signature: EK Time: 1300	
Name: Date:	Name: Magda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 34 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/23/2025	ET5402AI162B	Kitchen 128	Row 162: White 2- by 2-Foot Smooth Ceiling Tile	X			
12/23/2025	ET5402AI163A	Boys Locker 108	Row 163: White Caulk		X	X	
12/23/2025	ET5402AI163B	Boys Locker 108	Row 163: White Caulk		X	X	
12/23/2025	ET5402AI164A	Motor Lab 135	Row 164: Beige Carpet Adhesive		X	X	
12/23/2025	ET5402AI164B	Motor Lab 135	Row 164: Beige Carpet Adhesive		X	X	
12/29/2025	ET5402AI166A	Stair 185	Row 166: White Door Insulation	X			
12/29/2025	ET5402AI166B	Stair 185	Row 166: White Door Insulation	X			
12/29/2025	ET5402AI166C	Stair 186	Row 166: White Door Insulation	X			
12/29/2025	ET5402AI167A	Room 147A	Row 167: Brown Door Insulation	X			
12/29/2025	ET5402AI167B	Room 147A	Row 167: Brown Door Insulation	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive Clifton Park, NY 12065 518-383-9144 (T) 518-383-9166 (F) labsAT@atlantictesting.com	126 Park Avenue Binghamton, NY 13903 607-773-1812 (T) 607-773-1835 (F) labsET@atlantictesting.com	6431 U.S. Highway 11 Canton, NY 13617 315-386-4578 (T) 315-386-1012 (F) labsCT@atlantictesting.com	130 Arizona Ave Plattsburgh, NY 12903 518-563-5878 (T) 518-562-1321 (F) labsPL@atlantictesting.com	251 Upper North Road Highland, NY 12528 845-691-6098 (T) 845-691-6099 (F) labsPT@atlantictesting.com	3495 Winton Place Rochester, NY 14623 585-427-9020 (T) 585-427-9021 (F) labsRT@atlantictesting.com	6085 Court Street Road Syracuse, NY 13206 315-699-5281 (T) 315-699-3374 (F) labsST@atlantictesting.com	301 St. Anthony Street Utica NY 13501 315-735-3309 (T) 315-735-0742 (F) labsUT@atlantictesting.com	26581 NYS Route 283 Watertown, NY 13601 315-786-7887 (T) 315-786-2022 (F) labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York	
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 35 of 45	

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/29/2025	ET5402AI167C	Room 147A	Row 167: Brown Door Insulation	X			
12/23/2025	ET5402AI168A	Pipe Tunnel	Row 168: Black Vibration Damping Cloth		X	X	
12/23/2025	ET5402AI168B	Pipe Tunnel	Row 168: Black Vibration Damping Cloth		X	X	
12/22/2025	ET5402AI171A	Roof 1	Row 171: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI171B	Roof 1	Row 171: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI172A	Roof 1	Row 172: White Gypsum Board Row 171	X			
12/22/2025	ET5402AI172B	Roof 1	Row 172: White Gypsum Board Row 171	X			
12/22/2025	ET5402AI173A	Roof 1	Row 173: Black Insulation Backing Paper Row 171		X	X	
12/22/2025	ET5402AI173B	Roof 1	Row 173: Black Insulation Backing Paper Row 171		X	X	
12/22/2025	ET5402AI174A	Roof 1	Row 174: Black Insulation Backing Paper Row 171		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25 Signature: DP Time: 1800	Name: Date: Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26 Signature: DP Time: 1300	Name: Fed Date: 1/5/26 Signature: Ex Time: 1360	
Name: Date: Signature: Time:	Name: Marcella H Date: 1/6/26 Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 36 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI174B	Roof 1	Row 174: Black Insulation Backing Paper Row 171		X	X	
12/22/2025	ET5402AI175A	Roof 1	Row 175: Black Roof Vapor Barrier Row 171		X	X	
12/22/2025	ET5402AI175B	Roof 1	Row 175: Black Roof Vapor Barrier Row 171		X	X	
12/22/2025	ET5402AI176A	Roof 1	Row 176: Black Roof Flashing Tar Row 171		X	X	
12/22/2025	ET5402AI176B	Roof 1	Row 176: Black Roof Flashing Tar Row 171		X	X	
12/22/2025	ET5402AI177A	Roof 2	Row 177: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI177B	Roof 2	Row 177: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI178A	Roof 2	Row 178: White Gypsum Board Row 180 Row 177	X			
12/22/2025	ET5402AI178B	Roof 2	Row 178: White Gypsum Board Row 180 Row 177	X			
12/22/2025	ET5402AI179A	Roof 2	Row 179: Black Insulation Backing Paper Row 177	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Malcolm Date: 1/6/26	
Signature: Time:	Signature: Time: 11:0	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
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Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 37 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI179B	Roof 2	Row 179: Black Insulation Backing Paper Row 177	X			
12/22/2025	ET5402AI180A	Roof 2	Row 180: Black Insulation Backing Paper Row 177	X			
12/22/2025	ET5402AI180B	Roof 2	Row 180: Black Insulation Backing Paper Row 177	X			
12/22/2025	ET5402AI181A	Roof 2	Row 181: Black Roof Vapor Barrier Row 177		X	X	
12/22/2025	ET5402AI181B	Roof 2	Row 181: Black Roof Vapor Barrier Row 177		X	X	
12/22/2025	ET5402AI182A	Roof 2	Row 182: Black Roof Flashing Tar Row 177		X	X	
12/22/2025	ET5402AI182B	Roof 2	Row 182: Black Roof Flashing Tar Row 177		X	X	
12/22/2025	ET5402AI183A	Roof 2	Row 183: White Flashing Caulk		X	X	
12/22/2025	ET5402AI183B	Roof 3	Row 183: White Flashing Caulk		X	X	
12/22/2025	ET5402AI184A	Roof 4	Row 184: Light Gray EPDM Roofing		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/24/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Ex Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Malcolm H Date: 1/6/26	
Signature: Time:	Signature: Time: 410	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 38 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis	☒ If negative by PLM-NOB, analyze by TEM-NOB	☐ Other:		

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI184B	Roof 4	Row 184: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI185A	Roof 4	Row 185: White Gypsum Board Row 184	X			
12/22/2025	ET5402AI185B	Roof 4	Row 185: White Gypsum Board Row 184	X			
12/22/2025	ET5402AI186A	Roof 4	Row 186: Black Insulation Backing Paper Row 184	X			
12/22/2025	ET5402AI186B	Roof 4	Row 186: Black Insulation Backing Paper Row 184	X			
12/22/2025	ET5402AI187A	Roof 4	Row 187: Black Insulation Backing Paper Row 184	X			
12/22/2025	ET5402AI187B	Roof 4	Row 187: Black Insulation Backing Paper Row 184	X			
12/22/2025	ET5402AI188A	Roof 4	Row 188: Black Roof Vapor Barrier Row 184		X	X	
12/22/2025	ET5402AI188B	Roof 4	Row 188: Black Roof Vapor Barrier Row 184		X	X	
12/22/2025	ET5402AI189A	Roof 4	Row 189: Black Flashing Tar Row 184		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/24/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Magda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 39 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI189B	Roof 4	Row 189: Black Flashing Tar Row 184		X	X	
12/22/2025	ET5402AI190A	Roof 5	Row 190: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI190B	Roof 5	Row 190: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI191A	Roof 5	Row 191: White Gypsum Board Row 190	X			
12/22/2025	ET5402AI191B	Roof 5	Row 191: White Gypsum Board Row 190	X			
12/22/2025	ET5402AI192A	Roof 5	Row 192: Black Insulation Backing Paper Row 190	X			
12/22/2025	ET5402AI192B	Roof 5	Row 192: Black Insulation Backing Paper Row 190	X			
12/22/2025	ET5402AI193A	Roof 5	Row 193: Black Insulation Backing Paper Row 190	X			
12/22/2025	ET5402AI193B	Roof 5	Row 193: Black Insulation Backing Paper Row 190	X			
12/22/2025	ET5402AI194A	Roof 5	Row 194: Black Roof Vapor Barrier Row 190		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: DP Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: DP Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makda H Date: 1/6/26	
Signature: Time:	Signature: Time: 410	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 40 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI194B	Roof 5	Row 194: Black Roof Vapor Barrier Row 190		X	X	
12/22/2025	ET5402AI195A	Roof 5	Row 195: Black Flashing Tar Row 190		X	X	
12/22/2025	ET5402AI195B	Roof 5	Row 195: Black Flashing Tar Row 190		X	X	
12/22/2025	ET5402AI196A	Roof 4	Row 196: Dark Gray Caulk		X	X	
12/22/2025	ET5402AI196B	Roof 1	Row 196: Dark Gray Caulk		X	X	
12/22/2025	ET5402AI197A	Roof 10	Row 197: Gray Caulk		X	X	
12/22/2025	ET5402AI197B	Roof 10	Row 197: Gray Caulk		X	X	
12/22/2025	ET5402AI198A	Roof 6	Row 198: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI198B	Roof 6	Row 198: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI199A	Roof 6	Row 199: White Gypsum Board Row 198	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD #2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 41 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI199B	Roof 6	Row 199: White Gypsum Board Row 198	X			
12/22/2025	ET5402AI200A	Roof 6	Row 200: Black Insulation Backing Paper Row 198	X			
12/22/2025	ET5402AI200B	Roof 6	Row 200: Black Insulation Backing Paper Row 198	X			
12/22/2025	ET5402AI201A	Roof 6	Row 201: Black Insulation Backing Paper Row 198	X			
12/22/2025	ET5402AI201B	Roof 6	Row 201: Black Insulation Backing Paper Row 198	X			
12/22/2025	ET5402AI202A	Roof 6	Row 202: Black Roof Vapor Barrier Row 198		X	X	
12/22/2025	ET5402AI202B	Roof 6	Row 202: Black Roof Vapor Barrier Row 198		X	X	
12/22/2025	ET5402AI203A	Roof 7	Row 203: Gray Caulk		X	X	
12/22/2025	ET5402AI203B	Roof 7	Row 203: Gray Caulk		X	X	
12/22/2025	ET5402AI204A	Roof 8	Row 204: Light Gray EPDM Roofing		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/24 12/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 42 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI204B	Roof 8	Row 204: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI205A	Roof 8	Row 205: White Gypsum Board Row 204	X			
12/22/2025	ET5402AI205B	Roof 8	Row 205: White Gypsum Board Row 204	X			
12/22/2025	ET5402AI206A	Roof 8	Row 206: Black Insulation Backing Paper Row 204	X			
12/22/2025	ET5402AI206B	Roof 8	Row 206: Black Insulation Backing Paper Row 204	X			
12/22/2025	ET5402AI207A	Roof 8	Row 207: Black Insulation Backing Paper Row 204	X			
12/22/2025	ET5402AI207B	Roof 8	Row 207: Black Insulation Backing Paper Row 204	X			
12/22/2025	ET5402AI208A	Roof 8	Row 208: White Gypsum Board Row 204	X			
12/22/2025	ET5402AI208B	Roof 8	Row 208: White Gypsum Board Row 204	X			
12/22/2025	ET5402AI209A	Roof 8	Row 209: Black Roof Vapor Barrier Row 204		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Magda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs ET @atlantictesting.com	**Page Number:** 43 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI209B	Roof 8	Row 209: Black Roof Vapor Barrier Row 204		X	X	
12/22/2025	ET5402AI210A	Roof 9	Row 210: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI210B	Roof 9	Row 210: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI211A	Roof 9	Row 211: White Gypsum Board Row 210		X	X	
12/22/2025	ET5402AI211B	Roof 9	Row 211: White Gypsum Board Row 210		X	X	
12/22/2025	ET5402AI212A	Roof 9	Row 212: Black Roof Vapor Barrier Row 210		X	X	
12/22/2025	ET5402AI212B	Roof 9	Row 212: Black Roof Vapor Barrier Row 210		X	X	
12/22/2025	ET5402AI213A	Roof 4	Row 213: Gray Caulk		X	X	
12/22/2025	ET5402AI213B	Roof 4	Row 213: Gray Caulk		X	X	
12/22/2025	ET5402AI214A	Roof 10	Row 214: Light Gray EPDM Roofing		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: FedEx Date: 1/5/26	
Signature: Time: 1300	Signature: Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260111169

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 44 of 45

Turn Around Time:	☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day ☐ Other:
Special Instructions:	☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI214B	Roof 10	Row 214: Light Gray EPDM Roofing		X	X	
12/22/2025	ET5402AI215A	Roof 10	Row 215: White Gypsum Board Row 214	X			
12/22/2025	ET5402AI215B	Roof 10	Row 215: White Gypsum Board Row 214	X			
12/22/2025	ET5402AI216A	Roof 10	Row 216: Black Insulation Backing Paper Row 214	X			
12/22/2025	ET5402AI216B	Roof 10	Row 216: Black Insulation Backing Paper Row 214	X			
12/22/2025	ET5402AI217A	Roof 10	Row 217: Black Insulation Backing Paper Row 214	X			
12/22/2025	ET5402AI217B	Roof 10	Row 217: Black Insulation Backing Paper Row 214	X			
12/22/2025	ET5402AI218A	Roof 10	Row 218: Black Roof Tar Row 214		X	X	
12/22/2025	ET5402AI218B	Roof 10	Row 218: Black Roof Tar Row 214		X	X	
12/22/2025	ET5402AI219A	Roof 10	Row 219: Brown Isolation Board Row 214	X			

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: FeD Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Malcolm H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

ATLANTIC TESTING LABORATORIES #2260111169
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project			**Project Location:** Binghamton, New York	
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com			**Page Number:** 45 of 45	
Turn Around Time: ☐ 12 hr	☐ 24 hr	☐ 48 hr	☐ 72 hr	☒ 5 day	☐ Other:
Special Instructions: ☒ Positive Stop Analysis		☒ If negative by PLM-NOB, analyze by TEM-NOB		☐ Other:	

Date	Sample Number	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	Laboratory Sample ID Number
12/22/2025	ET5402AI219B	Roof 10	Row 219: Brown Isolation Board Row 214	X			
12/22/2025	ET5402AI220A	Roof 10	Row 220: Black Roof Flashing Tar Row 214		X	X	
12/22/2025	ET5402AI220B	Roof 10	Row 220: Black Roof Flashing Tar Row 214		X	X	

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/24/25	Name: Date:	
Signature: Time: 1800	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: Fed Date: 1/5/26	
Signature: Time: 1300	Signature: Ex Time: 1300	
Name: Date:	Name: Makeda H Date: 1/6/26	
Signature: Time:	Signature: Time: 1110	

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402

Lab Number: L2600199
Report Date: 01/19/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2600199-01	ET5402PI07	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:23	01/05/26
L2600199-02	ET5402PI08	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:11	01/05/26
L2600199-03	ET5402PI09	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:21	01/05/26
L2600199-04	ET5402PI21	CAULK	BINGHAMTON, NEW YORK	12/23/25 12:29	01/05/26
L2600199-05	ET5402PI23	CAULK	BINGHAMTON, NEW YORK	12/23/25 12:32	01/05/26
L2600199-06	ET5402PI26	CAULK	BINGHAMTON, NEW YORK	12/23/25 12:38	01/05/26
L2600199-07	ET5402PI32	CAULK	BINGHAMTON, NEW YORK	12/23/25 15:43	01/05/26
L2600199-08	ET5402PI36	CAULK	BINGHAMTON, NEW YORK	12/29/25 12:44	01/05/26
L2600199-09	ET5402PI43	CAULK	BINGHAMTON, NEW YORK	12/29/25 12:22	01/05/26
L2600199-10	ET5402PI53	CAULK	BINGHAMTON, NEW YORK	12/29/25 15:42	01/05/26
L2600199-11	ET5402PI63	CAULK	BINGHAMTON, NEW YORK	12/23/25 15:11	01/05/26
L2600199-12	ET5402PI65	CAULK	BINGHAMTON, NEW YORK	12/23/25 15:44	01/05/26
L2600199-13	ET5402PI66	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:35	01/05/26
L2600199-14	ET5402PI72	CAULK	BINGHAMTON, NEW YORK	12/29/25 12:55	01/05/26
L2600199-15	ET5402PI88	CAULK	BINGHAMTON, NEW YORK	12/29/25 13:22	01/05/26
L2600199-16	ET5402PI105	CAULK	BINGHAMTON, NEW YORK	12/29/25 10:08	01/05/26
L2600199-17	ET5402PI157	CAULK	BINGHAMTON, NEW YORK	12/29/25 09:40	01/05/26
L2600199-18	ET5402PI160	CAULK	BINGHAMTON, NEW YORK	12/29/25 09:35	01/05/26
L2600199-19	ET5402PI161	CAULK	BINGHAMTON, NEW YORK	12/29/25 09:36	01/05/26
L2600199-20	ET5402PI163	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:01	01/05/26
L2600199-21	ET5402PI183	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:49	01/05/26
L2600199-22	ET5402PI196	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:04	01/05/26
L2600199-23	ET5402PI197	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:41	01/05/26
L2600199-24	ET5402PI203	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:45	01/05/26

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2600199-25	ET5402PI213	CAULK	BINGHAMTON, NEW YORK	12/23/25 11:07	01/05/26

Project Name:	2024 CAPITAL PROJECT	**Lab Number:**	L2600199
Project Number:	ET5402	**Report Date:**	01/19/26

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	2024 CAPITAL PROJECT	**Lab Number:**	L2600199
Project Number:	ET5402	**Report Date:**	01/19/26

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L2600199-01, -06, -07, -08, -09, -10, -11, -12, -14, -15, -16, -17D, and -22: The sample contains peaks which match the retention times for Aroclor 1260, but do not match the area ratios typical for this aroclor. The result for Aroclor 1260 is reported as "altered".

L2600199-02D, -03D, -04D, -05D, -17D, -18D, and -19D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2600199-03D and -04D: The samples were extracted by EPA Method 3580A - instead of 3540C as required by the sample matrix - due to the high concentration of Aroclor 1260. The requested reporting limits were not achieved. The use of Method 3580A was previously authorized by the client.

L2600199-18D: The sample contains peaks which match the retention times for Aroclor 1254, but do not match the area ratios typical for this aroclor. The result for Aroclor 1254 is reported as "weathered".

L2600199-21: The sample has elevated detection limits due to limited sample volume available for analysis.

L2600199-24D: The sample contains peaks which match the retention times for Aroclor 1254, but do not match the area ratios typical for this aroclor. The result for Aroclor 1254 is reported as "altered".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative

Date: 01/19/26

ORGANICS

PCBS

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-01
Client ID: ET5402PI07
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:23
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 14:51
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	635	180.	1	A
Aroclor 1221	ND		ug/kg	635	186.	1	A
Aroclor 1232	ND		ug/kg	635	141.	1	A
Aroclor 1242	6390		ug/kg	317	114.	1	A
Aroclor 1248	ND		ug/kg	635	178.	1	A
Aroclor 1254	ND		ug/kg	635	130.	1	A
Aroclor 1260	17500		ug/kg	635	142.	1	A
Aroclor 1262	ND		ug/kg	635	131.	1	A
Aroclor 1268	ND		ug/kg	317	112.	1	A
PCBs, Total	23900		ug/kg	317	112.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-02 D
Client ID: ET5402PI08
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:11
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/12/26 23:10
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5620000	1600000	10000	A
Aroclor 1221	ND		ug/kg	5620000	1640000	10000	A
Aroclor 1232	ND		ug/kg	5620000	1250000	10000	A
Aroclor 1242	ND		ug/kg	2810000	1000000	10000	A
Aroclor 1248	ND		ug/kg	5620000	1580000	10000	A
Aroclor 1254	ND		ug/kg	5620000	1150000	10000	A
Aroclor 1260	118000000		ug/kg	5620000	1260000	10000	A
Aroclor 1262	ND		ug/kg	5620000	1160000	10000	A
Aroclor 1268	ND		ug/kg	2810000	992000	10000	A
PCBs, Total	118000000		ug/kg	2810000	992000	10000	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-03 D
Client ID: ET5402PI09
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:21
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/06/26 21:51
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3580A
Extraction Date: 01/06/26 09:52
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/06/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	758000	215000	500	A
Aroclor 1221	ND		ug/kg	758000	222000	500	A
Aroclor 1232	ND		ug/kg	758000	168000	500	A
Aroclor 1242	ND		ug/kg	379000	136000	500	A
Aroclor 1248	ND		ug/kg	758000	212000	500	A
Aroclor 1254	ND		ug/kg	758000	154000	500	A
Aroclor 1260	24400000		ug/kg	758000	170000	500	B
Aroclor 1262	ND		ug/kg	758000	156000	500	A
Aroclor 1268	ND		ug/kg	379000	134000	500	A
PCBs, Total	24400000		ug/kg	379000	134000	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-04 D
Client ID: ET5402PI21
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 12:29
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/06/26 21:59
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3580A
Extraction Date: 01/06/26 09:52
Cleanup Method: EPA 3665A
Cleanup Date: 01/06/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/06/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	901000	256000	500	A
Aroclor 1221	ND		ug/kg	901000	264000	500	A
Aroclor 1232	ND		ug/kg	901000	200000	500	A
Aroclor 1242	ND		ug/kg	450000	161000	500	A
Aroclor 1248	ND		ug/kg	901000	253000	500	A
Aroclor 1254	ND		ug/kg	901000	184000	500	A
Aroclor 1260	20500000		ug/kg	901000	202000	500	B
Aroclor 1262	ND		ug/kg	901000	186000	500	A
Aroclor 1268	ND		ug/kg	450000	159000	500	A
PCBs, Total	20500000		ug/kg	450000	159000	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-05 D
Client ID: ET5402PI23
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 12:32
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/12/26 12:39
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	2320000	660000	500	A
Aroclor 1221	ND		ug/kg	2320000	680000	500	A
Aroclor 1232	ND		ug/kg	2320000	517000	500	A
Aroclor 1242	ND		ug/kg	1160000	416000	500	A
Aroclor 1248	ND		ug/kg	2320000	652000	500	A
Aroclor 1254	ND		ug/kg	2320000	474000	500	A
Aroclor 1260	30000000		ug/kg	2320000	522000	500	A
Aroclor 1262	ND		ug/kg	2320000	479000	500	A
Aroclor 1268	ND		ug/kg	1160000	410000	500	A
PCBs, Total	30000000		ug/kg	1160000	410000	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-06
Client ID: ET5402PI26
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 12:38
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 15:07
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	297.	1	A
Aroclor 1221	ND		ug/kg	1050	306.	1	A
Aroclor 1232	ND		ug/kg	1050	233.	1	A
Aroclor 1242	2620		ug/kg	524	187.	1	A
Aroclor 1248	ND		ug/kg	1050	294.	1	A
Aroclor 1254	ND		ug/kg	1050	214.	1	A
Aroclor 1260	11300		ug/kg	1050	235.	1	A
Aroclor 1262	ND		ug/kg	1050	216.	1	A
Aroclor 1268	ND		ug/kg	524	185.	1	A
PCBs, Total	13900		ug/kg	524	185.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-07
Client ID: ET5402PI32
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 15:43
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 14:59
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	566	161.	1	A
Aroclor 1221	ND		ug/kg	566	166.	1	A
Aroclor 1232	ND		ug/kg	566	126.	1	A
Aroclor 1242	329		ug/kg	283	101.	1	A
Aroclor 1248	ND		ug/kg	566	159.	1	A
Aroclor 1254	ND		ug/kg	566	116.	1	A
Aroclor 1260	1140		ug/kg	566	127.	1	A
Aroclor 1262	ND		ug/kg	566	117.	1	A
Aroclor 1268	163	J	ug/kg	283	100.	1	A
PCBs, Total	1630	J	ug/kg	283	100.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-08
Client ID: ET5402PI36
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 12:44
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 16:06
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	662	188.	1	A
Aroclor 1221	ND		ug/kg	662	194.	1	A
Aroclor 1232	ND		ug/kg	662	147.	1	A
Aroclor 1242	1700		ug/kg	331	118.	1	B
Aroclor 1248	ND		ug/kg	662	186.	1	A
Aroclor 1254	ND		ug/kg	662	135.	1	A
Aroclor 1260	5260		ug/kg	662	149.	1	B
Aroclor 1262	ND		ug/kg	662	136.	1	A
Aroclor 1268	171	J	ug/kg	331	117.	1	B
PCBs, Total	7130	J	ug/kg	331	117.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-09
Client ID: ET5402PI43
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 12:22
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 16:14
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	752	214.	1	A
Aroclor 1221	ND		ug/kg	752	220.	1	A
Aroclor 1232	ND		ug/kg	752	167.	1	A
Aroclor 1242	2880		ug/kg	376	134.	1	B
Aroclor 1248	ND		ug/kg	752	211.	1	A
Aroclor 1254	ND		ug/kg	752	153.	1	A
Aroclor 1260	8520		ug/kg	752	169.	1	B
Aroclor 1262	ND		ug/kg	752	155.	1	A
Aroclor 1268	190	J	ug/kg	376	133.	1	B
PCBs, Total	11600	J	ug/kg	376	133.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-10
Client ID: ET5402PI53
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 15:42
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 16:21
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	592	168.	1	A
Aroclor 1221	ND		ug/kg	592	173.	1	A
Aroclor 1232	ND		ug/kg	592	132.	1	A
Aroclor 1242	936		ug/kg	296	106.	1	B
Aroclor 1248	ND		ug/kg	592	166.	1	A
Aroclor 1254	ND		ug/kg	592	121.	1	A
Aroclor 1260	3180		ug/kg	592	133.	1	B
Aroclor 1262	ND		ug/kg	592	122.	1	A
Aroclor 1268	382		ug/kg	296	104.	1	B
PCBs, Total	4500		ug/kg	296	104.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-11
Client ID: ET5402PI63
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 15:11
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 16:29
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	521	148.	1	A
Aroclor 1221	ND		ug/kg	521	152.	1	A
Aroclor 1232	ND		ug/kg	521	116.	1	A
Aroclor 1242	1600		ug/kg	260	93.2	1	B
Aroclor 1248	ND		ug/kg	521	146.	1	A
Aroclor 1254	ND		ug/kg	521	106.	1	A
Aroclor 1260	1860		ug/kg	521	117.	1	B
Aroclor 1262	ND		ug/kg	521	107.	1	A
Aroclor 1268	113	J	ug/kg	260	91.9	1	A
PCBs, Total	3570	J	ug/kg	260	91.9	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-12
Client ID: ET5402PI65
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 15:44
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 16:37
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	649	184.	1	A
Aroclor 1221	ND		ug/kg	649	190.	1	A
Aroclor 1232	ND		ug/kg	649	144.	1	A
Aroclor 1242	585		ug/kg	325	116.	1	B
Aroclor 1248	ND		ug/kg	649	182.	1	A
Aroclor 1254	ND		ug/kg	649	132.	1	A
Aroclor 1260	3560		ug/kg	649	146.	1	B
Aroclor 1262	ND		ug/kg	649	134.	1	A
Aroclor 1268	132	J	ug/kg	325	115.	1	A
PCBs, Total	4280	J	ug/kg	325	115.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-13
Client ID: ET5402PI66
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:35
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 16:45
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	604	172.	1	A
Aroclor 1221	ND		ug/kg	604	177.	1	A
Aroclor 1232	ND		ug/kg	604	134.	1	A
Aroclor 1242	538		ug/kg	302	108.	1	A
Aroclor 1248	ND		ug/kg	604	169.	1	A
Aroclor 1254	ND		ug/kg	604	123.	1	A
Aroclor 1260	2080		ug/kg	604	136.	1	B
Aroclor 1262	ND		ug/kg	604	124.	1	A
Aroclor 1268	ND		ug/kg	302	107.	1	A
PCBs, Total	2620		ug/kg	302	107.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-14
Client ID: ET5402PI72
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 12:55
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 16:53
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	837	238.	1	A
Aroclor 1221	ND		ug/kg	837	245.	1	A
Aroclor 1232	ND		ug/kg	837	186.	1	A
Aroclor 1242	753		ug/kg	418	150.	1	A
Aroclor 1248	ND		ug/kg	837	235.	1	A
Aroclor 1254	ND		ug/kg	837	171.	1	A
Aroclor 1260	2580		ug/kg	837	188.	1	B
Aroclor 1262	ND		ug/kg	837	172.	1	A
Aroclor 1268	366	J	ug/kg	418	148.	1	B
PCBs, Total	3700	J	ug/kg	418	148.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-15
Client ID: ET5402PI88
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 13:22
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/12/26 22:48
Analyst: :SDC
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	608	173.	1	A
Aroclor 1221	ND		ug/kg	608	178.	1	A
Aroclor 1232	ND		ug/kg	608	135.	1	A
Aroclor 1242	963	P	ug/kg	304	109.	1	A
Aroclor 1248	ND		ug/kg	608	170.	1	A
Aroclor 1254	ND		ug/kg	608	124.	1	A
Aroclor 1260	5870	P	ug/kg	608	136.	1	A
Aroclor 1262	ND		ug/kg	608	125.	1	A
Aroclor 1268	299	JP	ug/kg	304	107.	1	A
PCBs, Total	7130	J	ug/kg	304	107.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-16
Client ID: ET5402PI105
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 10:08
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/10/26 17:08
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	610	173.	1	A
Aroclor 1221	ND		ug/kg	610	178.	1	A
Aroclor 1232	ND		ug/kg	610	136.	1	A
Aroclor 1242	326		ug/kg	305	109.	1	A
Aroclor 1248	ND		ug/kg	610	171.	1	A
Aroclor 1254	2430		ug/kg	610	124.	1	A
Aroclor 1260	ND		ug/kg	610	137.	1	A
Aroclor 1262	ND		ug/kg	610	126.	1	A
Aroclor 1268	ND		ug/kg	305	108.	1	A
PCBs, Total	2760		ug/kg	305	108.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-17 D
Client ID: ET5402PI157
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 09:40
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/12/26 12:31
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	83000	23600	100	A
Aroclor 1221	ND		ug/kg	83000	24300	100	A
Aroclor 1232	ND		ug/kg	83000	18500	100	A
Aroclor 1242	ND		ug/kg	41500	14800	100	A
Aroclor 1248	ND		ug/kg	83000	23300	100	A
Aroclor 1254	ND		ug/kg	83000	16900	100	A
Aroclor 1260	727000		ug/kg	83000	18600	100	A
Aroclor 1262	ND		ug/kg	83000	17100	100	A
Aroclor 1268	ND		ug/kg	41500	14600	100	A
PCBs, Total	727000		ug/kg	41500	14600	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-18 D
Client ID: ET5402PI160
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 09:35
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/12/26 23:18
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1510000	429000	2500	A
Aroclor 1221	ND		ug/kg	1510000	442000	2500	A
Aroclor 1232	ND		ug/kg	1510000	336000	2500	A
Aroclor 1242	ND		ug/kg	755000	270000	2500	A
Aroclor 1248	ND		ug/kg	1510000	424000	2500	A
Aroclor 1254	6400000		ug/kg	1510000	308000	2500	A
Aroclor 1260	ND		ug/kg	1510000	339000	2500	A
Aroclor 1262	ND		ug/kg	1510000	311000	2500	A
Aroclor 1268	26400000		ug/kg	755000	267000	2500	A
PCBs, Total	32800000		ug/kg	755000	267000	2500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-19 D
Client ID: ET5402PI161
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/29/25 09:36
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/12/26 23:26
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1620000	460000	2500	A
Aroclor 1221	ND		ug/kg	1620000	473000	2500	A
Aroclor 1232	ND		ug/kg	1620000	360000	2500	A
Aroclor 1242	ND		ug/kg	809000	290000	2500	A
Aroclor 1248	ND		ug/kg	1620000	454000	2500	A
Aroclor 1254	13800000		ug/kg	1620000	330000	2500	A
Aroclor 1260	ND		ug/kg	1620000	363000	2500	A
Aroclor 1262	ND		ug/kg	1620000	333000	2500	A
Aroclor 1268	31200000		ug/kg	809000	286000	2500	A
PCBs, Total	45000000		ug/kg	809000	286000	2500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-20
Client ID: ET5402PI163
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:01
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 17:10
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	610	173.	1	A
Aroclor 1221	ND		ug/kg	610	178.	1	A
Aroclor 1232	ND		ug/kg	610	136.	1	A
Aroclor 1242	ND		ug/kg	305	109.	1	A
Aroclor 1248	ND		ug/kg	610	171.	1	A
Aroclor 1254	1040		ug/kg	610	124.	1	B
Aroclor 1260	ND		ug/kg	610	137.	1	A
Aroclor 1262	ND		ug/kg	610	126.	1	A
Aroclor 1268	11700		ug/kg	305	108.	1	A
PCBs, Total	12700		ug/kg	305	108.	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	**161**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	143		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-21
Client ID: ET5402PI183
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:49
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 17:18
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1350	384.	1	A
Aroclor 1221	ND		ug/kg	1350	395.	1	A
Aroclor 1232	ND		ug/kg	1350	301.	1	A
Aroclor 1242	ND		ug/kg	676	242.	1	A
Aroclor 1248	ND		ug/kg	1350	379.	1	A
Aroclor 1254	1220	J	ug/kg	1350	276.	1	A
Aroclor 1260	4010		ug/kg	1350	303.	1	A
Aroclor 1262	ND		ug/kg	1350	278.	1	A
Aroclor 1268	7510		ug/kg	676	238.	1	A
PCBs, Total	12700	J	ug/kg	676	238.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-22
Client ID: ET5402PI196
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:04
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 17:25
Analyst: EMR
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	654	186.	1	A
Aroclor 1221	ND		ug/kg	654	191.	1	A
Aroclor 1232	ND		ug/kg	654	145.	1	A
Aroclor 1242	462		ug/kg	327	117.	1	A
Aroclor 1248	ND		ug/kg	654	183.	1	A
Aroclor 1254	ND		ug/kg	654	133.	1	A
Aroclor 1260	1170		ug/kg	654	147.	1	A
Aroclor 1262	ND		ug/kg	654	135.	1	A
Aroclor 1268	737		ug/kg	327	115.	1	A
PCBs, Total	2370		ug/kg	327	115.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-23
Client ID: ET5402PI197
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:41
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 16:00
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	581	165.	1	A
Aroclor 1221	ND		ug/kg	581	170.	1	A
Aroclor 1232	ND		ug/kg	581	129.	1	A
Aroclor 1242	ND		ug/kg	291	104.	1	A
Aroclor 1248	ND		ug/kg	581	163.	1	A
Aroclor 1254	5350		ug/kg	581	119.	1	A
Aroclor 1260	ND		ug/kg	581	130.	1	A
Aroclor 1262	ND		ug/kg	581	120.	1	A
Aroclor 1268	535		ug/kg	291	103.	1	A
PCBs, Total	5890		ug/kg	291	103.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-24 D
Client ID: ET5402PI203
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:45
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/12/26 12:16
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	3720	1060	5	A
Aroclor 1221	ND		ug/kg	3720	1090	5	A
Aroclor 1232	ND		ug/kg	3720	827.	5	A
Aroclor 1242	30700		ug/kg	1860	665.	5	A
Aroclor 1248	ND		ug/kg	3720	1040	5	A
Aroclor 1254	91700		ug/kg	3720	758.	5	A
Aroclor 1260	41300		ug/kg	3720	834.	5	A
Aroclor 1262	ND		ug/kg	3720	766.	5	A
Aroclor 1268	ND		ug/kg	1860	656.	5	A
PCBs, Total	164000		ug/kg	1860	656.	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 2024 CAPITAL PROJECT
Lab Number: L2600199
Project Number: ET5402
Report Date: 01/19/26

SAMPLE RESULTS

Lab ID: L2600199-25
Client ID: ET5402PI213
Sample Location: BINGHAMTON, NEW YORK

Date Collected: 12/23/25 11:07
Date Received: 01/05/26
Field Prep: Not Specified

Sample Depth:
Matrix: Caulk
Analytical Method: 1,8082A
Analytical Date: 01/11/26 16:17
Analyst: AD
Percent Solids: Results Reported on an "AS RECEIVED" basis

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	639	181.	1	A
Aroclor 1221	ND		ug/kg	639	187.	1	A
Aroclor 1232	ND		ug/kg	639	142.	1	A
Aroclor 1242	ND		ug/kg	319	114.	1	A
Aroclor 1248	ND		ug/kg	639	179.	1	A
Aroclor 1254	ND		ug/kg	639	130.	1	A
Aroclor 1260	425	J	ug/kg	639	143.	1	A
Aroclor 1262	ND		ug/kg	639	132.	1	A
Aroclor 1268	463		ug/kg	319	113.	1	A
PCBs, Total	888	J	ug/kg	319	113.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/06/26 21:28
Analyst: EMR

Extraction Method: EPA 3580A
Extraction Date: 01/06/26 09:52

Cleanup Method: EPA 3665A
Cleanup Date: 01/06/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/06/26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG2162081-1						
Aroclor 1016	ND		ug/kg	1200	342.	A
Aroclor 1221	ND		ug/kg	1200	352.	A
Aroclor 1232	ND		ug/kg	1200	268.	A
Aroclor 1242	ND		ug/kg	602	216.	A
Aroclor 1248	ND		ug/kg	1200	338.	A
Aroclor 1254	ND		ug/kg	1200	246.	A
Aroclor 1260	ND		ug/kg	1200	270.	A
Aroclor 1262	ND		ug/kg	1200	248.	A
Aroclor 1268	ND		ug/kg	602	213.	A
PCBs, Total	ND		ug/kg	602	213.	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/10/26 15:43
Analyst: AD

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/09/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,05-22 Batch: WG2162334-1						
Aroclor 1016	ND		ug/kg	543	154.	A
Aroclor 1221	ND		ug/kg	543	159.	A
Aroclor 1232	ND		ug/kg	543	121.	A
Aroclor 1242	ND		ug/kg	272	97.3	A
Aroclor 1248	ND		ug/kg	543	152.	A
Aroclor 1254	ND		ug/kg	543	111.	A
Aroclor 1260	ND		ug/kg	543	122.	A
Aroclor 1262	ND		ug/kg	543	112.	A
Aroclor 1268	ND		ug/kg	272	95.9	A
PCBs, Total	ND		ug/kg	272	95.9	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/11/26 15:35
Analyst: AD

Extraction Method: EPA 3540C
Extraction Date: 01/07/26 02:20
Cleanup Method: EPA 3630
Cleanup Date: 01/10/26
Cleanup Method: EPA 3665A
Cleanup Date: 01/10/26
Cleanup Method: EPA 3660B
Cleanup Date: 01/10/26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 23-25 Batch: WG2162335-1						
Aroclor 1016	ND		ug/kg	566	161.	A
Aroclor 1221	ND		ug/kg	566	166.	A
Aroclor 1232	ND		ug/kg	566	126.	A
Aroclor 1242	ND		ug/kg	283	101.	A
Aroclor 1248	ND		ug/kg	566	159.	A
Aroclor 1254	ND		ug/kg	566	116.	A
Aroclor 1260	ND		ug/kg	566	127.	A
Aroclor 1262	ND		ug/kg	566	117.	A
Aroclor 1268	ND		ug/kg	283	100.	A
PCBs, Total	ND		ug/kg	283	100.	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG2162081-2 WG2162081-3									
Aroclor 1016	88		85		40-140	3		50	A
Aroclor 1260	86		84		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		90		30-150	A
Decachlorobiphenyl	77		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		93		30-150	B
Decachlorobiphenyl	73		76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,05-22 Batch: WG2162334-2 WG2162334-3									
Aroclor 1016	79		78		40-140	1		50	A
Aroclor 1260	86		87		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	A
Decachlorobiphenyl	79		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		89		30-150	B
Decachlorobiphenyl	80		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 23-25 Batch: WG2162335-2 WG2162335-3									
Aroclor 1016	85		75		40-140	13		50	A
Aroclor 1260	86		82		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		80		30-150	A
Decachlorobiphenyl	74		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		79		30-150	B
Decachlorobiphenyl	73		69		30-150	B

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402

Lab Number: L2600199
Report Date: 01/19/26

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2600199-01A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-02A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-03A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-04A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-05A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-06A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-07A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-08A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-09A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-10A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-11A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-12A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-13A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-14A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-15A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-16A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-17A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-18A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-19A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-20A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-21A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-22A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-23A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)

*Values in parentheses indicate holding time in days

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402

Lab Number: L2600199
Report Date: 01/19/26

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2600199-24A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)
L2600199-25A	Glass 120ml/4oz unpreserved	NA	NA			Y	Absent		NYTCL-8082-CAULK(365)

*Values in parentheses indicate holding time in days

Project Name:	2024 CAPITAL PROJECT	**Lab Number:**	L2600199
Project Number:	ET5402	**Report Date:**	01/19/26

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	2024 CAPITAL PROJECT	**Lab Number:**	L2600199
Project Number:	ET5402	**Report Date:**	01/19/26

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were

Report Format: DU Report with 'J' Qualifiers

Project Name:	2024 CAPITAL PROJECT	**Lab Number:**	L2600199
Project Number:	ET5402	**Report Date:**	01/19/26

Data Qualifiers

estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: 2024 CAPITAL PROJECT
Project Number: ET5402
Lab Number: L2600199
Report Date: 01/19/26

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
SM 2540D: TSS.
Biological Tissue Matrix: EPA 3050B

PAS-MAN1 Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
MADEP-APH.

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028
EPA 524.2: 1,3,5-Trichlorobenzene, m/p-Xylene, o-xylene.
EPA 625.1: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, N-Nitrosodiphenylamine.
EPA 8081B NPW and SCM: Alachlor, Endrin Ketone, Hexachlorobenzene.
EPA 8260D NPW: Tetrahydrofuran, 1,3,5-Trichlorobenzene; **SCM:** TAME, TBEE, Diethyl ether, DIPE, Tetrahydrofuran. 1,3,5-Trichlorobenzene, Freon-113.
EPA 8270E: NPW: Carbazole, 1-Methylnaphthalene, Pentachloronitrobenzene; **SCM:** Carbazole, 1-Methylnaphthalene.
EPA TO-13: Air: Benzo(e)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, Perylene.
EPA TO-4A Pesticide Air: delta-BHC, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Hexachlorobenzene, Methoxychlor.
SM4500: NPW: Amenable Cyanide; **SCM:** Total Phosphorus, TKN, NH3, NECi: NO2, NO3, ASTMD516.

The following test method is not included in our New Jersey Secondary NELAP Scope of Accreditation:

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
Determination of Selected Perfluorinated Alkyl Substances by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry Isotope Dilution (via Alpha SOP 23528)

The following analytes are included in our Massachusetts DEP Scope of Accreditation:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-G, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT.**

ENV-FORM-WES2-0065 v02 Certificate/Approval Program Summary

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Ca, Cr, Cu, Fe, Pb, Mg, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1: Hg. **EPA 245.7:** Hg.
SM2340B

PAS-ELON East Longmeadow Facility – 39 Spruce Street East Longmeadow, MA 01028

Drinking Water

EPA 300.0: NO3, NO2, Fl, Cl, SO4. **NECI Reductase**: NO3, NO2.
SM4500F-C, SM4500Cl-B, ASTM D516, SM4500CN-C,E, EPA 180.1, SM2320B, SM 2540C, SM4500H-B, SM4500SO4-E.
EPA 537.1; EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: SM9223-P/A: TC/EC; SM9223B-Colilert-enumeration: TC/EC; HPC-Simplate.

Non-Potable Water

SM4500H-B, SM2510B, SM2540C, SM2320B, SM4500Cl-B, ASTMD516, SM4500NH3-B, C, EPA 350.1, NECi: NO3, **SM4500NH3-B, C: TKN, SM4500P-E: Ortho Phosphate, SM4500P-B, E: Total Phosphorus, EPA 410.4, SM5210B, SM5310C, SM4500CN-C, E, SM2540D, SM4500Cl-G, SM4500SO4-E, EPA 1664, EPA 420.1, EPA 300.0:** Cl, SO4, NO3.
EPA 624.1: Volatile Halocarbons, Volatile Aromatics.
EPA 608.3: Chlordane, Toxaphene, Aldrin, Alpha-BHC, Beta-BHC, Gamma-BHC, Delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs.
EPA 625.1: SVOC-Acid Extractables and Base/Neutrals
Microbiology: SM9223B-Colilert: E. coli (Ambient and Wastewater), **SM9223B-Colilert-18:** Fecal Coliform (Wastewater).

Certification IDs:

PAS-WES2 Westborough Facility – 8 Walkup Dr. Westborough, MA 01581
CT PH-0826, IL 200077, IN C-MA-03, KY kY98045, ME MA00086, MD 348, MA M-MA086, NH 2064, NJ MA935, NY 11148, NC (DW) 25700, NC (NPW/SCM) 666, OR MA-1316, PA 68-03671, RI LAO00065, TX T104704476, VT VT-0935, VA 460195.

PAS-MANS Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, CA 3117, CO MA00030, CT PH-0825, IL 200081, IN C-MA-04, KY KY98046, LA 85084, ME MA00030, MD 350, MA M-MA00030, MI 9110, MN 025-999-495, NH 2062, NJ MA015, NY 11627, NC (NPW/SCM) 685, OR MA-0262, PA 68-02089, RI LAO00299, TX T-104704419, UT MA00030, VT VT-0015, VA 460194, WA C954.

PAS-MAN1 Mansfield Air Lab Facility – 120 Forbes Blvd. Mansfield, MA 02048
ANAB/DoD L2474, LA 245052, ME MA01156, MN 025-999-498, NH 2249, NJ MA025, NY 12191, OR 4203, TX T104704583, VA 460311, WA C1104.

PAS-ELON East Longmeadow Facility – 39 Spruce St. East Longmeadow, MA 01028
CT PH-0821, ME MA00100, MI 9100, NC (DENR) 652, NC (DW) 25703, MA M-MA100, NH (Secondary) 2516, NH (Primary) 2557, NJ MA007, NY 10899, PA 68-05812, RI LAO00373, VA 460217, VT-255716, WV DEP 419, WV-DW 9979C, LA 05130, LA-DW LA042, MD-DW 373, OH 87781.

For a complete listing of analytes and methods, please contact your Project Manager.

L7600199

ATLANTIC TESTING LABORATORIES
PCB CHAIN-OF-CUSTODY RECORD

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 1 of 3

Turn Around Time: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 5 day ☒ Other: 2 week

Date	Time	Sample Number	Sample Location	Sample Description	Sample Type	Number of Containers	EPA 8082	Other	Laboratory Sample ID Number
12/23/2025	11:23	ET5402PI07	Corridor 179	Row 7: Black Window Frame Caulk	grab	1	X		
12/23/2025	11:11	ET5402PI08	Corridor 179	Row 8: White Caulk	grab	1	X		
12/23/2025	11:21	ET5402PI09	Corridor 179	Row 9: Black Door Frame Caulk	grab	1	X		
12/23/2025	12:29	ET5402PI21	Classroom178	Row 21: Gray Window Caulk	grab	1	X		
12/23/2025	12:32	ET5402PI23	Classroom 177/178	Row 23: Clear Caulk	grab	1	X		
12/23/2025	12:38	ET5402PI26	Toilet 176	Row 26: White Door Frame Caulk	grab	1	X		
12/23/2025	15:43	ET5402PI32	Toilet 176	Row 32: White Fixture Caulk	grab	1	X		
12/29/2025	12:44	ET5402PI36	Toilet 176	Row 36: Brown Door Frame Caulk	grab	1	X		
12/29/2025	12:22	ET5402PI43	Toilet 175	Row 43: Off-White Fixture Caulk	grab	1	X		
12/29/2025	15:42	ET5402PI53	Toilet 171	Row 53: White Caulk	grab	1	X		

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1830	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: PACE Date: 1/5/26	
Signature: Time: 12:30	Signature: Time: 12:30	
Name: Steven Strange Date: 1/5/26	Name: Eric Whelan Date: 1/5/26	
Signature: Time: 1318	Signature: Time: 1318	

ATLANTIC TESTING LABORATORIES
PCB CHAIN-OF-CUSTODY RECORD

L2600199

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labsET @atlantictesting.com	**Page Number:** 2 of 3

Turn Around Time: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 5 day ☒ Other: 2week

Date	Time	Sample Number	Sample Location	Sample Description	Sample Type	Number of Containers	EPA 8082	Other	Laboratory Sample ID Number
12/23/2025	15:11	ET5402PI63	Custodial 169	Row 63: White Caulk	grab	1	X		
12/23/2025	15:44	ET5402PI65	Corridor 179	Row 65: White Fire Stop Sealant	grab	1	X		
12/23/2025	11:35	ET5402PI66	Corridor 154A	Row 66: Red Fire Stop Sealant	grab	1	X		
12/29/2025	12:55	ET5402PI72	Stair 100	Row 72: Black Caulk	grab	1	X		
12/29/2025	13:22	ET5402PI88	Stair 100	Row 88: White Caulk	grab	1	X		
12/29/2025	10:08	ET5402PI105	Toilet G311TA	Row 105: Clear Caulk	grab	1	X		
12/29/2025	09:40	ET5402PI157	South Exterior	Row 157: Dark Gray Window Frame Caulk	grab	1	X		
12/29/2025	09:35	ET5402PI160	South Exterior	Row 160: Dark Gray Caulk	grab	1	X		
12/29/2025	09:36	ET5402PI161	South Exterior	Row 161: Beige Expansion Joint Caulk	grab	1	X		
12/23/2025	11:01	ET5402PI163	Boys Locker 108	Row 163: White Caulk	grab	1	X		

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1830	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: DylanPutnum Date: 1/5/26	Name: PACE Date: 1/5/26	
Signature: Time: 12:30	Signature: Time: 12:30	
Name: Secure Storage Date: 1/5/26	Name: Eric Ulster Date: 1/5/26	
Signature: Time: 1316	Signature: Time: 1316	

L2600199

ATLANTIC TESTING LABORATORIES
PCB CHAIN-OF-CUSTODY RECORD

Albany	Binghamton	Canton	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive	126 Park Avenue	6431 U.S. Highway 11	130 Arizona Ave	251 Upper North Road	3495 Winton Place	6085 Court Street Road	301 St. Anthony Street	26581 NYS Route 283
Clifton Park, NY 12065	Binghamton, NY 13903	Canton, NY 13617	Plattsburgh, NY 12903	Highland, NY 12528	Rochester, NY 14623	Syracuse, NY 13206	Utica NY 13501	Watertown, NY 13601
518-383-9144 (T)	607-773-1812 (T)	315-386-4578 (T)	518-563-5878 (T)	845-691-6098 (T)	585-427-9020 (T)	315-699-5281 (T)	315-735-3309 (T)	315-786-7887 (T)
518-383-9166 (F)	607-773-1835 (F)	315-386-1012 (F)	518-562-1321 (F)	845-691-6099 (F)	585-427-9021 (F)	315-699-3374 (F)	315-735-0742 (F)	315-786-2022 (F)
labsAT@atlantictesting.com	labsET@atlantictesting.com	labsCT@atlantictesting.com	labsPL@atlantictesting.com	labsPT@atlantictesting.com	labsRT@atlantictesting.com	labsST@atlantictesting.com	labsUT@atlantictesting.com	labsWT@atlantictesting.com

Project Number: ET5402	**Project Name:** 2024 Capital Project	**Project Location:** Binghamton, New York
Project Manager: Andrew Amell	**Email Results:** labs PT @atlantictesting.com	**Page Number:** 3 of 3

Turn Around Time: ☐ 12 hr ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ 5 day ☒ Other: 2 week

Date	Time	Sample Number	Sample Location	Sample Description	Sample Type	Number of Containers	EPA 8082	Other	Laboratory Sample ID Number
12/23/2025	11:49	ET5402PI183	Roof 4	Row 183: White Flashing Caulk	grab	1	X		
12/23/2025	11:04	ET5402PI196	Roof 3	Row 196: Dark Gray Caulk	grab	1	X		
12/23/2025	11:41	ET5402PI197	Roof 10	Row 197: Gray Caulk	grab	1	X		
12/23/2025	11:45	ET5402PI203	Roof 7	Row 203: Gray Caulk	grab	1	X		
12/23/2025	11:07	ET5402PI213	Roof 4	Row 213: Gray Caulk	grab	1	X		

Sampler:	Laboratory:	Field and Laboratory Remarks:
Name: Dylan Putnam Date: 12/29/25	Name: Date:	
Signature: Time: 1830	Signature: Time:	
Samples Relinquished By:	**Samples Received By:**	
Name: Dylan Putnam Date: 1/5/26	Name: PACE Date: 1/5/26	
Signature: Time: 12:30	Signature: Time: 12:30	
Name: Secure Storage Date: 1/5/26	Name: Eric White Date: 1/5/26	
Signature: Time: 1318	Signature: Time: 1318	

F
1-5 0300 1/5 01/06/26 02:00
1-6 0200

Sample Delivery Group Summary

Pace Job Number : L2600199

Account Name : Atlantic Testing Laboratories, Limi
Project Number : ET5402
Project Name : 2024 CAPITAL PROJECT

Received : 05-JAN-2026
Reviewer : Matthew Bianculli

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	3.1	

Condition Information

1) All samples on COC received?	**YES**
2) Extra samples received?	**NO**
3) Are there any sample container discrepancies?	**NO**
4) Are there any discrepancies between COC & sample labels?	**NO**
5) Are samples in appropriate containers for requested analysis?	**YES**
6) Are samples properly preserved for requested analysis?	**YES**
7) Are samples within holding time for requested analysis?	**YES**
8) All sampling equipment returned?	**NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	**NA**

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Atlantic Testing Laboratories, Limited
Attn: Andrew Amell
6431 US Highway 11

Canton, NY 13617

Date Received 2/18/2026 **AmeriSci Job #** 226022410
Date Examined 02/24/26 **P.O. #** 23108
ELAP # 11480 **Page** 1 **of** 1
RE: ET5402; 2024 Capital Project; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5402AI47A	226022410-01	***Yes***	15% (NOB by NYS ELAP 198.6) by Ivan H. Reyes on 02/24/26	

Location: Office 307B, Beige Adhesive
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material
Asbestos Types: Chrysotile 15%
Other Material: Non-fibrous 46%

ET5402AI47B	226022410-02		NA	

Location: Office 307B, Beige Adhesive
Analyst Description: Bulk Material
Asbestos Types:
Other Material:

Reporting Notes:

Analyzed by: Ivan H. Reyes
Date: 2/24/2026



Reviewed by: Ivan H. Reyes



*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Motic, Model BA310 Pol Scope, Microscope, Serial #: 1190000538, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

_____END OF REPORT_____

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

#2260224 10

№ 23108

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/383-9144 (T)
518/383-9166 (F)
labsAT@atlantictesting.com

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)
labsET@atlantictesting.com

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)
labsCT@atlantictesting.com

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)
labsHT@atlantictesting.com

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)
labsPL@atlantictesting.com

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)
labsPT@atlantictesting.com

Rochester
3495 Winton Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)
labsRT@atlantictesting.com

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)
labsST@atlantictesting.com

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-0742 (F)
labsUT@atlantictesting.com

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)
labsWT@atlantictesting.com

Project No.	Project Name	Date Collected
ET5462	2024 Capital Project	2/17/26
		Page 1 of 1

Project Contact:	Andrew Arnell
Project Location:	Binghamton, NY

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☒ 5day ☐ _____

Special Instructions: ☒ Positive Stop Analysis ☒ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other _____

Report Distribution

Send Reports To (ATL Office): labsET@atlantictesting.com

ATL Contact: Aarnell@atlantictesting.com

Send Copy To:

Email Results: @atlantictesting.com

Field Sample No.	Sample Location	Sample Description	Analysis Requested: PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
ET5462AJ47A	Office 307B	Beige Adhesive		X				
ET5462AJ47B	Office 307B	Beige Adhesive		X				

Sampler's Name:	Dylan Putnam	Date:	2/17/26	Received at Laboratory (Name):	B. Howe	Date:	2/18/26	Shipment Rec'd Intact
Sampler's Signature:		Time:	1500	Laboratory Signature:		Time:	1230	☐ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Field and Laboratory Remarks:
Name:	Dylan Putnam	Date:	2/17/26	Name:	Fed Ex	Date:	2/17/26	
Signature:		Time:	1645	Signature:		Time:	1645	
Name:		Date:		Name:		Date:		
Signature:		Time:		Signature:		Time:		

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

APPENDIX D

SUMMARY TABLES

KEY FOR SUMMARY TABLES

Acronyms as used in the tables:

CFT = Ceramic Floor Tile
CMU = Concrete Masonry Unit
CWT = Ceramic Wall Tile
EPDM = Ethylene Propylene Diene Monomer
HVAC = Heating, Ventilation, and Air Conditioning
TSI = Thermal System Insulation
NA = Not Applicable
NAD = No Asbestos Detected
ND = Not Detected above the laboratory method detection limit

Abbreviations for Friable/ACM Type:

Y = Yes N= No M = Miscellaneous S = Surfacing T = Thermal System Insulation

Descriptions for Conditions:

The listed conditions of Good, Fair, and Poor generally correspond with the AHERA descriptions of Good, Damaged, and Significantly Damaged for different types of materials. The following summarizes additional details relative to the listed conditions.

Surfacing (Surf.) and Miscellaneous (Misc.) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with characteristics of surface crumbling, blistered, water-stained, gouged, marred, or otherwise abraded over less than one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
  - Surface crumbling or blistering is present over at least one tenth of the surface, if the damage is evenly distributed or one quarter if the damage is localized.
  - One tenth (or one quarter, if localized) of material hanging from the surface, deteriorated, or showing adhesive failure.
  - Water stains, gouges, or mars over at least one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.

Thermal System Insulation (TSI) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with one or more of the following characteristics:
  - A few water stains or less than one tenth of insulation with missing jackets.
  - Crushed insulation or water stains, gouges, punctures, or mars on up to one tenth of the insulation if the damage is evenly distributed or up to one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
  - Missing jackets on at least one tenth of the piping or equipment.
  - Crushed or heavily gouged or punctured insulation on at least one tenth of the component (pipe runs/risers, boiler, tank, duct, etc.) if the damage is evenly distributed or one quarter if the damage is localized.

Notes:

[1] Sample Location Plans are enclosed in Appendix B. Areas of the structure were alphabetically labeled at the time of the survey event.

[2] Quantities and locations are approximate and must be verified by others prior to scoping and/or engaging work activities that may affect these materials.

[3] Material is considered ACM due to being co-mingled with asbestos-containing material.

[4] Material assumed ACM based on inaccessibility due to destructive sampling techniques required to collect samples and/or equipment still electrically energized.

[5] Material determined to be ACM based on Evaluation Study For Asbestos Materials Dated November 1982.

[6] Material determined to be ACM based on 2010 Ahera Triennial Reinspection Report Dated January 2011.

[7] Material determined to be ACM based on Exterior Soffit Asbestos Review by Hawk Engineering Dated April 2011.

[8] Material determined to be ACM based on Asbestos Sampling Testing Report TRE by Jennings Environmental Dated September 2002.

[9] Material was determined to be an incidental disturbance and will need to have an incidental disturbance assessment performed prior to any abatement and/or renovation activities.

[10] Boiler Components are assumed ACM due to the boilers being in operation at the time of the limited hazardous materials survey event.

[11] Material is assumed ACM due to being inaccessible at the time of the limited hazardous materials survey event.

Table D-I

Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Off-White 2-by 2-Foot Textured Ceiling Tile	Corridor 179 , Toilet 176, Toilet 175A, Corridor 156, Corridor 154A, Corridor C200, Toilet 214A, Toilet 207A, Custodial 307A, Passage 112 , Boys Locker 108, Drying 111, Toilet 109, Toilet 106, Office 105, OT/PT 136A, Room 135A, Girls Locker 136B, Toilet 134	Y / M	NAD[3]	Fair	ET5402AI01A ET5402AI01B	6,179 Square Feet
Brown Spray-Applied Fire Proofing	Corridor 179, Classroom 177/178, Toilet 176, Toilet 175A, Toilet 175, Classroom 174, Corridor 156, Copy Room 173, Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Faculty Room 170, Corridor 154A, Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Corridor C200, Classroom 213, Classroom 213A, Classroom 208, Toilet 214A, Toilet 214, Toilet 207A, Toilet 207, Custodial 206, Guidance 215, Office 214A, Office 214B, Classroom	Y / S	12.0[6,9]	Poor	608-TR-1169A 609-TR-1169A	34,348 Square Feet

Table D-I

Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
	216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Stair 180, Stair 186, Stair 210, Stair 211, Boys B311T, Boys B311TA, Girls G311T, Girls G311TA, Stair 313, Stair 319, Band 133, Storage 133A, Library 155, Custodial 169, Speech 166, Boys Locker 108, Toilet 109, Drying 111, Shower 110, Girls Locker 136B, Motor Lab 135, OT/PT Office 136A, Room 135A, Toilet 183T, Toilet 182T, Toilet 181T, Toilet 184T, Room 143, Room 144, Room 145, Room 146, Room 146A, Room 146B, Room 147, Room 148, Room 162, Room 105					

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Off-White 2-Inch Diameter Pipe TSI Jacket	**Corridor 179, Classroom 177/178, Toilet 176, Toilet 175A, Toilet 175, Classroom 174, Corridor 156, Toilet 172A, Toilet 171A, Faculty Room 170, Corridor 154A, Classroom 165, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Corridor C200, Classroom 213, Classroom 208, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Laundry 144**	**Y / T**	**NAD[3]**	**Fair**	**ET5402AI03A ET5402AI03B ET5402AI03C**	**2,394 Linear Feet**
Gray 2-Inch Diameter Pipe TSI Jacket	**Corridor 179**	**Y / T**	**NAD[3]**	**Fair**	**ET5402AI04A ET5402AI04B ET5402AI04C**	**8 Linear Feet**
White CWT Grout Associated with Green and Beige 4 Inch- by -6 Inch CWT	Corridor 179, Corridor 156, Corridor 154A, Stair 100, Stair 186, Stair 210, Corridor C200, Corridor 312, Stair 211, Stair 313, Stair 319, Lobby 149, Toilet 145, Corridor 142, Corridor 154	Y / M	NAD	Fair	ET5402AI05A ET5402AI05B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Yellow CWT Adhesive Associated with Green and Beige 4 Inch- by -6 Inch CWT	Corridor 179, Corridor 156, Corridor 154A, Stair 100, Stair 186, Stair 210, Corridor C200, Corridor 312, Stair 211, Stair 313, Stair 319, Lobby 149, Toilet 145, Corridor 142, Corridor 154	N / M	NAD	Fair	ET5402AI06A ET5402AI06B	NA
Black Window Frame Caulk	Corridor 179, Classroom 177/178, Corridor C200, Toilet 214, Toilet 207, Corridor 312	N / M	NAD	Fair	ET5402AI07A ET5402AI07B	NA
White Caulk Associated with Window Frame and CWT	Corridor 179, Stair 100, Stair 186, Stair 210, Corridor C200, Corridor 312, Stair 211, Stair 313, Stair 319, Corridor 154	N / M	NAD	Fair	ET5402AI08A ET5402AI08B	NA
Black Door Frame Caulk	**Corridor 179, Classroom 165, Classroom 164, Stair 180, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Stair 210, Corridor 312, Stair 211, Stair 313, Stair 319, Corridor 154, Library 155, Main Office 159, Security 158, Principal 161, Corridor 129, Vestibule 116, Corridor 154A, Corridor C200**	**N / M**	**21.8**	**Fair**	**TR-A-001[8]**	**100 Square Feet**

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Yellow Carpet Adhesive Associated with Blue and Purple Carpet	Corridor 179, Corridor 156, Copy Room 173, Faculty Room 170, Corridor 154A, Speech 166, Classroom 165, Classroom 181, Classroom 182, Classroom 183, Classroom 185, Corridor C200, Classroom 213, Classroom 213A, Classroom 208, Guidance 215, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A , Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Corridor 312, Library 155, OT/PT 136A, Room 135A, Motor Lab 135	N / M	NAD	Fair	ET5402AI10A ET5402AI10B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Gray Base Coat Wall Plaster	Corridor 179, Classroom 177/178, Toilet 176, Toilet 175A, Toilet 175, Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Custodial 169, Speech 166, Classroom 165, Classroom 164, Classroom 181, Toilet 181T, Classroom 182, Toilet 182T, Classroom 183, Toilet 183T, Classroom 184, Toilet 184T, Classroom 185, Toilet 185T, Classroom 213, Classroom 213A, Classroom 208, Toilet 214A, Toilet 214 , Toilet 207A, Toilet 207, Custodial 206, Guidance 215, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303,	Y / S	NAD	Fair	ET5402AI11A ET5402AI11B ET5402AI11C ET5402AI11D ET5402AI11E ET5402AI11F ET5402AI11G	NA

Table D-I
Summary of Suspect ACM and Analytical Results

	Classroom 302, Classroom 301, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Office 307B, Custodial 307A, Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Passage 146A, Toilet 146B, Girls 146, Laundry 144, Boys 143, Corridor 154, Library 155, Main Office 159, Security 158, Principal 161, Music 117					

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
White Skim Coat Wall Plaster	Corridor 179, Classroom 177/178, Toilet 176, Toilet 175A, Toilet 175, Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Custodial 169, Speech 166, Classroom 165, Classroom 164, Classroom 181, Toilet 181T, Classroom 182, Toilet 182T, Classroom 183, Toilet 183T, Classroom 184, Toilet 184T, Classroom 185, Toilet 185T, Classroom 213, Classroom 213A, Classroom 208, Toilet 214A, Toilet 214 , Toilet 207A, Toilet 207, Custodial 206, Guidance 215, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303,	Y / S	NAD	Fair	ET5402AI12A ET5402AI12B ET5402AI12C ET5402AI12D ET5402AI12E ET5402AI12F ET5402AI12G	NA

Table D-I
Summary of Suspect ACM and Analytical Results

	Classroom 302, Classroom 301, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Office 307B, Custodial 307A, Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Passage 146A, Toilet 146B, Girls 146, Laundry 144, Boys 143, Corridor 154, Library 155, Main Office 159, Security 158, Principal 161, Music 117					

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Brown Fibrous Board Associated with Carpet Cove Base	Corridor 179, Corridor 156, Copy Room 173, Faculty Room 170, Corridor 154A, Speech 166, Classroom 165, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Corridor C200, Classroom 213, Classroom 213A, Classroom 208, Guidance 215, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Corridor 312	Y / M	NAD	Fair	ET5402AI13A ET5402AI13B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Off-White Rough 5- by -4 and 5- by -1 Foot Ceiling Tile	**Classroom 177/178, Classroom 174, Copy Room 173, Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Faculty Room 170, Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Custodial 206, Custodial 215, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201**	**Y / M**	**NAD[3]**	**Fair**	**ET5402AI14A ET5402AI14B**	**17,339 Square Feet**
Gray 2-Inch Diameter Mudded TSI Pipe Fitting	**Corridor 179, Classroom 177/178, Classroom 174, Faculty Room 170, Corridor 154A, Classroom 165, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Corridor C200, Classroom 213, Classroom 208, Classroom 216A, Classroom 216, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Storage 107, Toilet 106, Corridor 154A, Room 164, Room 213A**	**Y / T**	**1.3[6]**	**Fair**	**148-TR-B006**	**154 Linear Feet**
Black 6-Inch Cove Base	Classroom 177/178, Classroom 184, Office 307B, Main Office 159, Principal 161, Music 117	N / M	NAD	Fair	ET5402AI16A ET5402AI16B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Tan Adhesive Associated with Black 6-Inch Cove Base	Classroom 177/178, Classroom 184, Office 307B, Main Office 159, Principal 161, Music 117	N / M	NAD	Fair	ET5402AI17A ET5402AI17B	NA
Yellow Adhesive Associated with Blue and Red Carpet Squares	Classroom 177/178, Classroom 184	N / M	NAD	Fair	ET5402AI18A ET5402AI18B	NA
Dark Gray Adhesive Associated with Light Gray Cementitious Soffit Panel	**First Floor Soffit Areas, Gymnasium and Cafetorium Soffit Areas, Third Floor Roof Soffit Areas, Library Roof Soffit Areas**	**N / M**	**3.0**	**Fair**	**ET5402AI19A ET5402AI19B**	**6000 Square Feet**
Black Fibrous Board Associated with Classroom Heating Units	Classroom 177/178, Faculty Room 170, Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Office 307B, Lobby 149, Nurse 151, Office 151A, Corridor 154, Music 117	Y / M	NAD	Fair	ET5402AI20A ET5402AI20B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Gray Window Caulk	Classroom 177/178, Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Corridor 312, Toilet B311T, Toilet G311T, Office 307B, Music 117	N / M	NAD	Fair	ET5402AI21A ET5402AI21B	NA
Yellow Mastic Associated with Off-White 12- by 12-Inch Mottled with Beige and Light Gray Floor Tile	Elevator 168	N / M	NAD	Fair	ET5402AI22A ET5402AI22B	NA
Clear Caulk Associated with Heating Unit	Classroom 177/178	N / M	NAD	Fair	ET5402AI23A ET5402AI23B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Black Window Butyl	Classroom 177/178, Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Office 307B	N / M	NAD	Fair	ET5402AI24A ET5402AI24B	NA
White Door Lite Butyl	**Classroom 177/178, Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319**	**N / M**	**3.2**	**Fair**	**ET5402AI25A ET5402AI25B**	**7 Square Feet**
White Door Frame Caulk	Toilet 176	N / M	NAD	Fair	ET5402AI26A ET5402AI26B	NA
Off-White Gypsum Board	Toilet 176, Guidance 215, Office 214A, Office 214B, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Band 133, Storage 133A, OT/PT 136A, Girls Locker 136B	Y / M	NAD	Fair	ET5402AI27A ET5402AI27B	NA
Tan Gypsum Wall Board Associated Tan Seam Tape	Toilet 176, Guidance 215, Office 214A, Office 214B, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Band 133, Storage 133A, OT/PT 136A, Girls Locker 136B	N / M	NAD	Fair	ET5402AI28A ET5402AI28B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
White Gypsum Wall Board Associated White Joint Compound	Toilet 176, Guidance 215, Office 214A, Office 214B, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Band 133, Storage 133A, OT/PT 136A, Girls Locker 136B	Y / M	NAD	Fair	ET5402AI29A ET5402AI29B ET5402AI29C	NA
Light Gray 4-Inch Cove Base	Toilet 176	N / M	NAD	Fair	ET5402AI30A ET5402AI30B	NA
Beige Adhesive Associated with	Toilet 176	N / M	NAD	Fair	ET5402AI31A ET5402AI31B	NA
White Fixture Caulk	Toilet 176, Toilet 181T, Toilet 182T, Toilet 183T, Toilet 184T, Toilet 214, Toilet 214A, Toilet 207, Toilet 207A, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Office 151D, Nurse 151, Toilet 109, Toilet 185T	N / M	NAD	Fair	ET5402AI32A ET5402AI32B	NA
Off-White Gypsum Ceiling Board	Toilet 176, Toilet 175, Toilet 145, Shower 110, Storage 107, Motor Lab 135	Y / M	NAD	Fair	ET5402AI33A ET5402AI33B	NA
White Gypsum Ceiling Board Associated White Joint Compound	Toilet 176, Toilet 175, Toilet 145, Shower 110, Storage 107, Motor Lab 135	Y / M	NAD	Fair	ET5402AI35A ET5402AI35B ET5402AI35C	NA
Brown Door Frame Caulk Used as Repair Over White Caulk	Toilet 176	N / M	NAD	Fair	ET5402AI36A ET5402AI36B	NA
White CWT Grout Associated with White and Green CWT	Toilet 176, Toilet 175A, Toilet 175, Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Toilet 214A, Toilet 214, Toilet 207, Toilet 207A, Custodial 206, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Custodial 307A	Y / M	NAD	Fair	ET5402AI37A ET5402AI37B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Gray CWT Mortar Associated with White and Green CWT	Toilet 176, Toilet 175A, Toilet 175 , Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Toilet 214A, Toilet 214, Toilet 207, Toilet 207A, Custodial 206, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Custodial 307A	Y / M	NAD	Fair	ET5402AI38A ET5402AI38B	NA
Gray CFT Grout Associated with White and Green CFT	Toilet 176, Toilet 175A, Toilet 175, Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Toilet 214, Toilet 214A, Toilet 207, Toilet 207A, Custodial 206, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Custodial 307B	Y / M	NAD	Fair	ET5402AI39A ET5402AI39B	NA
Gray CFT Mortar Associated with White and Green CFT	Toilet 176, Toilet 175A, Toilet 175, Toilet 172, Toilet 172A, Toilet 171, Toilet 171A, Toilet 214, Toilet 214A, Toilet 207, Toilet 207A, Custodial 206, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Custodial 307B	Y / M	NAD	Fair	ET5402AI40A ET5402AI40B	NA
Black Adhesive Associated with Mirror	Toilet 175A, Toilet 214A, Toilet 207A, Toilet B311TA, Toilet G311TA, Toilet 106, Toilet 134	N / M	NAD	Fair	ET5402AI41A ET5402AI41B	NA
Gray Grout Associated with Counterblock	Toilet 175A, Toilet 214A, Toilet 207A, Toilet B311TA, Toilet G311TA	Y / M	NAD	Fair	ET5402AI42A ET5402AI42B	NA
Off-White Fixture and Pipe Chase Panel Caulk	Toilet 175	N / M	NAD	Fair	ET5402AI43A ET5402AI43B	NA
Light Gray 6-Inch Cove Base Painted Purple	Classroom 174	N / M	NAD	Fair	ET5402AI44A ET5402AI44B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Brown Adhesive Associated with Light Gray 6-Inch Cove Base Painted Purple	Classroom 174	N / M	NAD	Fair	ET5402AI45A ET5402AI45B	NA
Beige Pattern Flooring Material	**Classroom 174, Office 307B, Guidance 215, Office 214A, Office 214B**	**N / M**	**17.5[6]**	**Fair**	**155-TR-1132B**	**1,075 Square Feet**
Beige Adhesive Associated with Associated with Beige Pattern Flooring Material	**Classroom 174, Office 307B, Guidance 215, Office 214A, Office 214B**	**N / M**	**15**	**Fair**	**ET5402AI47A ET5402AI47B**	
Gray Wallpaper	Corridor 156, Copy Room 173, Faculty Room 170, Corridor 154A, Stair 100, Stair 186, Stair 210, Corridor C200, Guidance 215 (Also on Doors), Corridor 312, Stair 211, Stair 313, Stair 319, Corridor 179	Y / M	NAD	Fair	ET5402AI48A ET5402AI48B	NA
Gray Base Coat Wall Plaster	Classroom 174, Corridor 156, Copy Room 173, Faculty Room 170, Corridor 154A, Stair 100, Stair 186, Stair 210, Corridor C200, Corridor 312, Stair 211, Stair 313, Stair 319	Y / S	NAD	Fair	ET5402AI49A ET5402AI49B ET5402AI49C ET5402AI49D ET5402AI49E ET5402AI49F ET5402AI49G	NA
White Skim Coat Wall Plaster	Classroom 174, Corridor 156, Copy Room 173, Faculty Room 170, Corridor 154A, Stair 100, Stair 186, Stair 210, Corridor C200, Corridor 312, Stair 211, Stair 313, Stair 319	Y / S	NAD	Fair	ET5402AI50A ET5402AI50B ET5402AI50C ET5402AI50D ET5402AI50E ET5402AI50F ET5402AI50G	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Off-White Gypsum Wall Board	Classroom 174, Corridor 156, Copy Room 173, Faculty Room 170, Custodial 169, Corridor 154A, Corridor C200, Corridor 312, Lobby 149, Passage 146A	Y / M	NAD	Fair	ET5402AI51A ET5402AI51B	NA
White Caulk Associated with Countertop and Wall Transition	Toilet 171, Faculty Room 170, Speech 166, Classroom 165, Classroom 164, Classroom 213, Classroom 213A, Classroom 208, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301	N / M	NAD	Fair	ET5402AI53A ET5402AI53B	NA
Black 4-Inch Cove Base	Copy Room 173, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Toilet 145, Security 158, Band 133, Practice Room 118A, Practice Room 118B, Practice Room 118C	N / M	NAD	Fair	ET5402AI54A ET5402AI54B	NA
Tan Adhesive Associated with Black 4-Inch Cove Base	Copy Room 173, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Toilet 145, Security 158, Band 133, Practice Room 118A, Practice Room 118B, Practice Room 118C	N / M	NAD	Fair	ET5402AI55A ET5402AI55B	NA
Gray Sink Coating	Faculty Room 170, Classroom 164, Office 151C, Office 151D	N / M	NAD	Fair	ET5402AI56A ET5402AI56B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
White CWT Grout Associated with Tan and Beige CWT	Custodial 169, Classroom 181, Toilet 181T, Classroom 182, Toilet 182T, Classroom 183, Toilet 183T, Classroom 184, Toilet 184T, Classroom 185, Toilet 185T, Toilet 145, Laundry 144, Boys 143	Y / M	NAD	Fair	ET5402AI57A ET5402AI57B	NA
Gray CWT Mortar Associated with Tan and Beige CWT	Custodial 169, Classroom 181, Toilet 181T, Classroom 182, Toilet 182T, Classroom 183, Toilet 183T, Classroom 184, Toilet 184T, Classroom 185, Toilet 185T, Toilet 145, Laundry 144, Boys 143	Y / M	NAD	Fair	ET5402AI58A ET5402AI58B	NA
Gray CFT Grout Associated with 1 Inch- by -1 Inch Brown and Beige CFT	Custodial 169, Toilet 145	Y / M	NAD	Fair	ET5402AI59A ET5402AI59B	NA
Gray CFT Mortar Associated with 1 Inch- by -1 Inch Brown and Beige CFT	Custodial 169, Toilet 145	Y / M	NAD	Fair	ET5402AI60A ET5402AI60B	NA
White 2- by 4- Foot Fissured and Pinholed Ceiling Tile	Custodial 169, Passage 146A, Toilet 146B, Laundry 144	Y / M	NAD	Fair	ET5402AI61A ET5402AI61B	NA
Gray Cementitious Wall Patch Associated with Conduit Piping	Custodial 169	N / M	NAD	Fair	ET5402AI62A ET5402AI62B ET5402AI62C	NA
White Caulk Associated with Ceiling Perimeter and Pipe Penetrations	Custodial 169	N / M	NAD	Fair	ET5402AI63A ET5402AI63B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Beige Residual Adhesive on Metal Ceiling Deck	Custodial 169	N / M	NAD	Fair	ET5402AI64A ET5402AI64B	NA
White Fire Stop Sealant	Corridor 179, Corridor C200	N / M	NAD	Fair	ET5402AI65A ET5402AI65B	NA
Red Fire Stop Sealant	Corridor 154A, Speech 166, Stair 186	N / M	NAD	Fair	ET5402AI66A ET5402AI66B	NA
Off-White 2- by 4-Foot Textured Ceiling Tile	Speech 166, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Corridor 312, Toilet B311TA, Toilet G311TA, Office 307B, Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Corridor 154, Main Office 159, Security 158, Principal 161	Y / M	NAD	Fair	ET5402AI67A ET5402AI67B	NA
Gray Spray-Applied Fire Proofing Overtop of Residual Brown Spray-Applied Fire Proofing	**166, Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Corridor 154, Main Office 159, Security 158, Principal 161, Music 117, Practice Room 118A, Practice Room 118B, Practice Room 118C, Passage 112, Boys Locker 108, Toilet 109, Drying 111, OT Office 139, Shower 110, Girls Locker 136B, Motor Lab 135, Toilet 134, OT/PT Office 136A, Room 135A, Closet 153, Room 136, Room 134, Room 141, Room 157, Room 139**	**Y / S**	**NAD[3]**	**Fair**	**ET5402AI68A ET5402AI68B ET5402AI68C ET5402AI68D ET5402AI68E ET5402AI68F ET5402AI68G**	**8,272 Square Feet**

Table D-I
Summary of Suspect ACM and Analytical Results

Brown CFT Adhesive	Custodial 169, Toilet 145	Y / M	NAD	Fair	ET5402AI69A ET5402AI69B	NA
Black Sink Coating	Classroom 165, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301	N / M	NAD	Fair	ET5402AI70A ET5402AI70B	NA
Green Spray-Applied Fire Proofing	**Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 203, Classroom 201, Classroom 202, Room 214A, Room 214B, Room 215**	**Y / T**	**Assumed [3]**	**Fair**	**ET5402AI71**	**5,120 Square Feet**
Black Caulk	Classroom 165, Stair 180 (Exterior Door Window)	N / M	NAD	Fair	ET5402AI72A ET5402AI72B	NA
Beige 12- by 12-Inch Streaked with Gray and Brown Floor Tile	**Classroom 164**	**N / M**	**7.0**	**Fair**	**ET5402AI73A ET5402AI73B**	**895 Square Feet**

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Black Mastic Associated with Beige 12- by 12-Inch Streaked with Gray and Brown Floor Tile	Classroom 164	N / M	Trace	Fair	ET5402AI74A ET5402AI74B	NA
Gray Floor Filler	Classroom 164 (Floor Repair Adjacent to Window)	N / M	NAD	Fair	ET5402AI75A ET5402AI75B	NA
Off-White 12- by 12-Inch Speckled Floor Tile	Classroom 164, OT Office 139	N / M	NAD	Fair	ET5402AI77A ET5402AI77B	NA
Black Mastic Associated with Off-White 12- by 12-Inch Speckled Floor Tile	Classroom 164, OT Office 139	N / M	NAD	Fair	ET5402AI78A ET5402AI78B	NA
Brown 6-Inch Cove Base	Classroom 164	N / M	NAD	Fair	ET5402AI79A ET5402AI79B	NA
Brown Adhesive Associated with Brown 6-Inch Cove Base	Classroom 164	N / M	NAD	Fair	ET5402AI80A ET5402AI80B	NA
Gray Base Coat Ceiling Plaster	Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319, Band 133, Storage 133A	Y / S	NAD	Fair	ET5402AI81A ET5402AI81B ET5402AI81C ET5402AI81D ET5402AI81E	NA
White Skim Coat Ceiling Plaster	Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319, Band 133, Storage 133A	Y / S	NAD	Fair	ET5402AI82A ET5402AI82B ET5402AI82C ET5402AI82D ET5402AI82E	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Off-White Speckled with Brown and Gray Terrazzo Flooring	Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319, Stair B5, Stair B6, Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Corridor 154, Cafetorium 131	N / M	NAD	Fair	ET5402AI83A ET5402AI83B	NA
Gray Mortar Associated with Off-White Speckled with Brown and Gray Terrazzo Flooring	Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319, Stair B5, Stair B6, Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Corridor 154, Cafetorium 131	N / M	NAD	Fair	ET5402AI84A ET5402AI84B	NA
Off-White Speckled Gray and Brown Terrazzo Cove Base	Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319, Lobby 149, Vestibule 150A, Vestibule 150B, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Corridor 154, Vestibule 116	N / M	NAD	Fair	ET5402AI85A ET5402AI85B	NA
Gray Mortar Associated with Off-White Speckled with Gray and Brown Terrazzo Cove Base	Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319, Lobby 149, Vestibule 150A, Vestibule 150B, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D, Storage 152A, Exam 152, Toilet 145, Corridor 142, Corridor 154, Vestibule 116	N / M	NAD	Fair	ET5402AI86A ET5402AI86B	NA
White Grout Associated with Stair Risers	Stair 180, Stair 186, Stair 210, Stair 211, Stair 313, Stair 319	N / M	NAD	Fair	ET5402AI87A ET5402AI87B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
White Caulk Associated with Bottom Step	Stair 180, Stair 186	N / M	Trace	Fair	ET5402AI88A ET5402AI88B	NA
Gray CFT Grout Associated with 1 Inch- by -1 Inch Beige, Tan, and Gray CFT	Classroom 181, Toilet 181T, Classroom 182, Toilet 182T, Classroom 183, Toilet 183T, Classroom 184, Toilet 184T, Toilet 185T, Laundry 144, Boys 143, Boys Locker 108, Passage 112, Drying 111, Shower 110, Toilet 109, Toilet 106, Office 105, OT/PT 136A, Girls Locker 135B, Toilet 134	N / M	NAD	Fair	ET5402AI89A ET5402AI89B	NA
Gray CFT Mortar Associated with 1 Inch- by -1 Inch Beige, Tan, and Gray CFT	Classroom 181, Toilet 181T, Classroom 182, Toilet 182T, Classroom 183, Toilet 183T, Classroom 184, Toilet 184T, Toilet 185T, Laundry 144, Boys 143, Boys Locker 108, Passage 112, Drying 111, Shower 110, Toilet 109, Toilet 106, Office 105, OT/PT 136A, Girls Locker 135B, Toilet 134	N / M	NAD	Fair	ET5402AI90A ET5402AI90B	NA
Off-White 1- by 1-Foot Fissured and Pinholed Ceiling Tile	Toilet 181T, Toilet 182T, Toilet 183T, Toilet 184T, Toilet 185T	Y / M	NAD	Fair	ET5402AI91A ET5402AI91B	NA
White Adhesive Associated with Off-White 1- by 1-Foot Fissured and Pinholed Ceiling Tile	Toilet 181T, Toilet 182T, Toilet 183T, Toilet 184T, Toilet 185T	N / M	NAD	Fair	ET5402AI92A ET5402AI92B	NA
Gray Concrete Slab Expansion Joint	Corridor 179, Classroom 183, Corridor C200, Classroom 204, Classroom 304, Corridor 312	N / M	NAD	Fair	ET5402AI93A ET5402AI93B	NA
Gray CFT Grout Associated with Light Gray Quarry Tile	Classroom 185	Y / M	NAD	Fair	ET5402AI95A ET5402AI95B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Gray CFT Mortar Associated with Light Gray Quarry Tile	Classroom 185	Y / M	NAD	Fair	ET5402AI96A ET5402AI96B	NA
Off-White Door Lite Butyl	**Stair 180, Stair 186, Stair 210**	**N / M**	**1.5**	**Fair**	**ET5402AI97A ET5402AI97B**	**12 Square Feet**
White 2-Inch Diameter Pipe TSI Jacket Associated with Yellow Fiberglass	Toilet 214A, Toilet 214, Toilet 207A, Toilet 207, Passage 146A, Toilet 146B, Laundry 144	Y / T	NAD	Fair	ET5402AI99A ET5402AI99B ET5402AI99C	NA
White Pipe TSI End Sealant	Toilet 214A, Toilet 214, Toilet 207A, Toilet 207, Passage 146A, Toilet 146B, Laundry 144	N / M	NAD	Fair	ET5402AI100A ET5402AI100B ET5402AI100C	NA
White CWT Grout Associated with Beige 2- by -2 Inch CWT	Toilet 214A, Toilet 214, Toilet 207A, Toilet 207, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T	Y / M	NAD	Fair	ET5402AI101A ET5402AI101B	NA
Beige CWT Adhesive Associated with Beige 2- by -2 Inch CWT	Toilet 214A, Toilet 214, Toilet 207A, Toilet 207, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T	Y / M	NAD	Fair	ET5402AI102A ET5402AI102B	NA
White 2- by 4-Foot Smooth Ceiling Tile	Toilet 214A, Toilet 214, Toilet 207, Toilet 207A, Toilet B311T, Toilet G311T	Y / M	NAD	Fair	ET5402AI103A ET5402AI103B	NA
Clear Repair Caulk	Classroom 205A, Toilet G311TA	N / M	NAD	Fair	ET5402AI105A ET5402AI105B	NA
Gray Block Mortar Above Window System	Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Office 307B, Elevator 168, Pipe Tunnel, Custodial 119, Gym 131, Storage 107, Cafetorium 130	Y / M	NAD	Fair	ET5402AI108A ET5402AI108B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Yellow Panel Adhesive	**Elevator 168 (Elevator Car Walls)**	**N / M**	**Assumed[4]**	**Fair**	**ET5402AI109**	**160 Square Feet**
Off-White 12-by 12-Inch Mottled with Beige and Light Gray Floor Tile	Elevator 168	N / M	NAD	Fair	ET5402AI110A ET5402AI110B	NA
Elevator Control Panel and Associated Electrical Components	**Elevator 168, Elevator Mechanical Room**	**N / M**	**Assumed[4]**	**Fair**	**ET5402AI111**	**25 Square Feet**
Yellow Carpet Adhesive Associated with Blue and Brown Carpet	Office 307B	N / M	NAD	Fair	ET5402AI112A ET5402AI112B	NA
Gray HVAC Seam Sealant	Pipe Tunnel	N / M	NAD	Fair	ET5402AI113A ET5402AI113B	NA
Gray Block Mortar Associated with Red CMU Block	Stair B5, Stair B6	Y / M	NAD	Fair	ET5402AI114A ET5402AI114B	NA
Gray Brick Mortar	Lobby 149, Vestibule 150A, Vestibule 150B, Corridor 142, Vestibule 116	Y / M	NAD	Fair	ET5402AI115A ET5402AI115B	NA
Brown 4-Inch Cove Base	Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D	N / M	NAD	Fair	ET5402AI117A ET5402AI117B	NA
Tan Adhesive Associated with Brown 4-Inch Cove Base	Lobby 149, Nurse 151, Office 151A, Office 151B, Office 151C, Office 151D	N / M	NAD	Fair	ET5402AI118A ET5402AI118B	NA
White CWT Grout Associated with White 4-by -4 Inch CWT	Toilet 145, Passage 146A, Toilet 146B	Y / M	NAD	Fair	ET5402AI119A ET5402AI119B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Off-White CWT Adhesive Associated with White 4- by -4 Inch CWT	Toilet 145, Passage 146A, Toilet 146B	Y / M	NAD	Fair	ET5402AI120A ET5402AI120B	NA
Gray CFT Grout Associated with 2- by -2 Inch Light Gray CFT	Passage 146A, Toilet 146B	Y / M	NAD	Fair	ET5402AI121A ET5402AI121B	NA
Gray CFT Mortar Associated with 2- by -2 Inch Light Gray CFT	Passage 146A, Toilet 146B	Y / M	NAD	Fair	ET5402AI122A ET5402AI122B	NA
Gray CWT Grout Associated with Pink CWT	Girls 146	Y / M	NAD	Fair	ET5402AI123A ET5402AI123B	NA
Brown CWT Adhesive Associated with Pink CWT	Girls 146	Y / M	NAD	Fair	ET5402AI124A ET5402AI124B	NA
Gray CFT Grout Associated with Pink CFT	Girls 146	Y / M	NAD	Fair	ET5402AI125A ET5402AI125B	NA
Gray CFT Mortar Associated with Pink CWT	Girls 146	Y / M	NAD	Fair	ET5402AI126A ET5402AI126B	NA
Gray Base Coat Ceiling Plaster	Girls 146, Boys 143, Library 155, Cafetorium 131	Y / S	NAD	Fair	ET5402AI127A ET5402AI127B ET5402AI127C ET5402AI127D ET5402AI127E ET5402AI127F ET5402AI127G	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Beige Skim Coat Ceiling Plaster	Girls 146, Boys 143, Library 155, Cafetorium 131	Y / S	NAD	Fair	ET5402AI128A ET5402AI128B ET5402AI128C ET5402AI128D ET5402AI128E ET5402AI128F ET5402AI128G	NA
Yellow Carpet Adhesive Associated with Blue, Red, and Purple Carpet	Main Office 159, Security 158, Principal 161, Band 133, Music 117, Practice Room 118A, Practice Room 118B, Practice Room 118C	N / M	NAD	Fair	ET5402AI129A ET5402AI129B	NA
Blue Stage Curtain	Cafetorium 131	Y / M	NAD	Fair	ET5402AI130A ET5402AI130B	NA
White Textured Acoustical Panel Wallboard	**Cafetorium 131, Gym 130**	**Y / M**	**NAD[3]**	**Fair**	**ET5402AI131A ET5402AI131B**	**1,300 Square Feet**
Gray Block Mortar Associated with Smooth Glazed Block	Cafetorium 131, Band 133, Storage 133A, Corridor 129, Storage 121, Gym Storage 140, Passage 112, Boys Locker 108, Drying 111, Shower 110, Toilet 109, Toilet 106, Office 105, OT Office 139, OT/PT 136A, Room 135A, Motor Lab 135, Girls Locker 135B, Toilet 134	Y / M	NAD	Fair	ET5402AI132A ET5402AI132B	NA
Off-White Refractory Brick Associated with Kiln	Storage 121	Y / M	NAD	Fair	ET5402AI133A ET5402AI133B	NA
Brown Adhesive Associated with White Textured Acoustical Panel Wallboard	**Cafetorium 132, Gym 130**	**N / M**	**4.2**	**Fair**	**ET5402AI134A ET5402AI134B**	**1,300 Square Feet**
Boiler Components	**Boiler Room B001**	**N / M**	**Assumed[10]**	**Fair**	**ET5402AI135**	**400 Square Feet**

Table D-I
Summary of Suspect ACM and Analytical Results

White 12-Inch Diameter Hot Water Pipe TSI Jacket Associated with Yellow Fiberglass	Boiler Room B001	Y / T	NAD	Fair	ET5402AI136A ET5402AI136B ET5402AI136C	NA
White Pipe TSI End Sealant Associated with Hot Water Pipes	Boiler Room B001	N / M	NAD	Fair	ET5402AI137A ET5402AI137B ET5402AI137C	NA
Off-White 6-Inch Diameter City Water Pipe TSI Jacket Associated with Yellow Fiberglass	Boiler Room B001	Y / T	NAD	Fair	ET5402AI138A ET5402AI138B ET5402AI138C	NA
White Pipe TSI End Sealant Associated with Off-White 6-Inch Diameter City Water Pipe TSI Jacket Associated with Yellow Fiberglass	Boiler Room B001	N / M	NAD	Fair	ET5402AI139A ET5402AI139B ET5402AI139C	NA
Off-White 6-Inch Diameter Domestic Cold Water Pipe TSI Jacket Associated with Yellow Fiberglass	Boiler Room B001	Y / T	NAD	Fair	ET5402AI140A ET5402AI140B ET5402AI140C	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Black Tar Associated with Off-White 6-Inch Diameter City Water Pipe TSI Jacket Associated with Yellow Fiberglass	Boiler Room B001	N / T	NAD	Fair	ET5402AI141A ET5402AI141B ET5402AI141C	NA
Off-White 12-Inch Diameter Pipe TSI Jacket	**Boiler Room B001**	**Y / T**	**NAD[3]**	**Fair**	**ET5402AI142**	**25 Linear Feet**
White Pipe TSI	**Boiler Room B001**	**Y / T**	**25.0[5]**	**Fair**	**11-2**	
Gray Pipe TSI End Sealant	**Boiler Room B001**	**Y / T**	**NAD[3]**	**Fair**	**ET5402AI144**	**15 Square Feet**
White Boiler Breeching TSI Cloth Jacket	**Boiler Room B001**	**Y / T**	**Assumed[3]**	**Fair**	**ET5402AI145**	**50 Linear Feet**
White Boiler Breeching TSI	**Boiler Room B001**	**Y / T**	**55.0[5]**	**Fair**	**11-3**	
White Tank TSI Jacket	Boiler Room B001	Y / T	NAD	Fair	ET5402AI147A ET5402AI147B ET5402AI147C	NA
Light Gray Tank TSI	Boiler Room B001	Y / T	NAD	Fair	ET5402AI148A ET5402AI148B ET5402AI148C	NA
Silver HVAC TSI Jacket Associated with Yellow Fiberglass	Boiler Room B001	Y / T	NAD	Fair	ET5402AI149A ET5402AI149B ET5402AI149C	NA
Off-White 2-Inch Diameter Domestic Hot Water Pipe TSI Jacket Associated with Yellow Fiberglass	Boiler Room B001	Y / T	NAD	Fair	ET5402AI151A ET5402AI151B ET5402AI151C	NA

Table D-I
Summary of Suspect ACM and Analytical Results

White Cement	**Boiler Room B001**	**N / M**	**70.0**	**Fair**	**11-1[5]**	**15 Square Feet**
Light Gray Mortar	North, South, East, and West Exterior Pillars	N / M	NAD	Fair	ET5402AI153A ET5402AI153B	NA
Gray Brick Mortar	North, South, East, and West Exterior Walls	N / M	NAD	Fair	ET5402AI154A ET5402AI154B	NA
Beige Surfacing Coat Associated with Pillars	North, South, East, and West Exterior Walls	Y / S	NAD	Fair	ET5402AI155A ET5402AI155B ET5402AI155C	NA
Black Tar Above Exterior Corridor 154 Door	**Above Corridor 154 Exterior Door**	**N / M**	**7.0**	**Fair**	**ET5402AI156A ET5402AI156B**	**3 Square Feet**
Dark Gray Window Frame Caulk	North, South, East, and West Exterior Walls	N / M	NAD	Fair	ET5402AI157A ET5402AI157B	NA
Black Window Butyl	North, South, East, and West Exterior Windows	N / M	NAD	Fair	ET5402AI158A ET5402AI158B	NA
Light Gray Cementitious Soffit Panel	**North, South, East, and West Exterior Soffits**	**Y / M**	**16.0**	**Fair**	**659-TR-1136[7] 660-TR-1102**	**6,000 Square Feet**
Dark Gray Caulk Associated with Soffit Panel	North, South, East, and West Exterior Soffits	N / M	NAD	Fair	ET5402AI160A ET5402AI160B	NA
Beige Expansion Joint Caulk	North and South Exterior Walls	N / M	NAD	Fair	ET5402AI161A ET5402AI161B	NA
White 2- by 2-Foot Smooth Ceiling Tile	Kitchen 128, OT Office 139	Y / M	NAD	Fair	ET5402AI162A ET5402AI162B	NA
White Caulk Associated with Drinking Fountain	Boys Locker 108	N / M	NAD	Fair	ET5402AI163A ET5402AI163B	NA
Beige Carpet Adhesive Associated with Blue Carpet On Walls	Motor Lab 135	N / M	NAD	Fair	ET5402AI164A ET5402AI164B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

White Door Insulation Associated with Square Window Doors	**Stair 186, Stair 180, Stair 210, Stair 211, Stair 319, Stair 313, Corridor 154/154A, Corridor 131, Room 185**	**Y / T**	**2.5**	**Fair**	**ET5402AI166A ET5402AI166B ET5402AI166C**	**320 Square Feet**
Brown Door Insulation	Room 147A, Room 144	Y / T	NAD	Fair	ET5402AI167A ET5402AI167B ET5402AI167C	NA
Black HVAC Vibration Damping Cloth	Pipe Tunnel	N / M	NAD	Fair	ET5402AI168A ET5402AI168B	NA
Pipe TSI	**Crawlspace/Pipe Tunnel Area**	**Y / T**	**Assumed[9, 11]**	**Poor**	**ET5402AI169**	**4,900 Square Feet**
Pipe TSI	**Toilet 109, Shower 110, Toilet 123, Toilet 124, Toilet 134, Motor Lab 135, Toilet 145, Laundry 144, Boys 143, Second Floor Bathroom Chase, Third Floor Bathroom Chase**	**Y / T**	**Assumed[9, 11]**	**Poor**	**ET5402AI170**	**1,450 Square Feet**
Light Gray EPDM Roofing	Roof 1 (First Layer)	N / M	NAD	Fair	ET5402AI171A ET5402AI171B	NA
White Gypsum Board	Roof 1 (Second Layer)	Y / M	NAD	Fair	ET5402AI172A ET5402AI172B	NA
Black Insulation Backing Paper Comingled with Black Tar Associated with Yellow Insulation	Roof 1 (Third Layer)	N / M	NAD	Fair	ET5402AI173A ET5402AI173B	NA
Black Insulation Backing Paper Comingled with Black Tar Associated with Yellow Insulation	Roof 1 (Fourth Layer)	N / M	NAD	Fair	ET5402AI174A ET5402AI174B	NA
Black Roof Vapor Barrier	Roof 1 (Bottom Layer on Deck)	N / M	NAD	Fair	ET5402AI175A ET5402AI175B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Black Roof Flashing Tar Associated with Skylights	**Roof 1**	**N / M**	**1.9**	**Fair**	**ET5402AI176A ET5402AI176B**	**175 Square Feet**
Light Gray EPDM Roofing	Roof 2, Roof 3 (First Layer)	N / M	NAD	Fair	ET5402AI177A ET5402AI177B	NA
White Gypsum Board	Roof 2, Roof 3 (Second Layer)	Y / M	NAD	Fair	ET5402AI178A ET5402AI178B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 2, Roof 3 (Third Layer)	Y / M	NAD	Fair	ET5402AI179A ET5402AI179B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 2, Roof 3 (Fourth Layer)	Y / M	NAD	Fair	ET5402AI180A ET5402AI180B	NA
Black Roof Vapor Barrier	Roof 2, Roof 3 (Bottom Layer on Concrete Deck)	N / M	NAD	Fair	ET5402AI181A ET5402AI181B	NA
Black Roof Flashing Tar Associated with Skylights	Roof 2, Roof 3	N / M	NAD	Fair	ET5402AI182A ET5402AI182B	NA
White Flashing Caulk	Roof 2, Roof 3, Roof 4, Roof 5, Roof 6, Roof 7 Flashings	N / M	NAD	Fair	ET5402AI183A ET5402AI183B	NA
Light Gray EPDM Roofing	Roof 4 (First Layer)	N / M	NAD	Fair	ET5402AI184A ET5402AI184B	NA
White Gypsum Board	Roof 4 (Second Layer)	Y / M	NAD	Fair	ET5402AI185A ET5402AI185B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 4 (Third Layer)	Y / M	NAD	Fair	ET5402AI186A ET5402AI186B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 4 (Fourth Layer)	Y / M	NAD	Fair	ET5402AI187A ET5402AI187B	NA
Black Roof Vapor Barrier	Roof 4 (Bottom Layer on Deck)	N / M	NAD	Fair	ET5402AI188A ET5402AI188B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Black Flashing Tar Associated with Skylights	Roof 4	N / M	NAD	Fair	ET5402AI189A ET5402AI189B	NA
Light Gray EPDM Roofing	Roof 5, Roof 7 (First Layer)	N / M	NAD	Fair	ET5402AI190A ET5402AI190B	NA
White Gypsum Board	Roof 5, Roof 7 (Second Layer)	Y / M	NAD	Fair	ET5402AI191A ET5402AI191B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 5, Roof 7 (Third Layer)	Y / M	NAD	Fair	ET5402AI192A ET5402AI192B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 5, Roof 7 (Fourth Layer)	Y / M	NAD	Fair	ET5402AI193A ET5402AI193B	NA
Black Roof Vapor Barrier	Roof 5, Roof 7 (Bottom Layer on Deck)	N / M	NAD	Fair	ET5402AI194A ET5402AI194B	NA
Black Flashing Tar Associated with Skylights	Roof 5, Roof 7	N / M	NAD	Fair	ET5402AI195A ET5402AI195B	NA
Dark Gray Caulk Associated with Metal Cap Panel Seams	Roof 1, Roof 2, Roof 3, Roof 4, Roof 5, Roof 6, Roof 7, Roof 8, Roof 10	N / M	NAD	Fair	ET5402AI196A ET5402AI196B	NA
Gray Caulk Used as Repair On Metal Cap Panel Seams	Roof 10	N / M	NAD	Fair	ET5402AI197A ET5402AI197B	NA
Light Gray EPDM Roofing	Roof 6 (First Layer)	N / M	NAD	Fair	ET5402AI198A ET5402AI198B	NA
White Gypsum Board	Roof 6 (Second Layer)	Y / M	NAD	Fair	ET5402AI199A ET5402AI199B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 6 (Third Layer)	Y / M	NAD	Fair	ET5402AI200A ET5402AI200B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1, 2]	Friable /ACM Type	% Asbestos	Condition	Sample Numbers	Estimated Quantity[2]
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 6 (Fourth Layer)	Y / M	NAD	Fair	ET5402AI201A ET5402AI201B	NA
Black Roof Vapor Barrier	Roof 6 (Bottom Layer on Deck)	N / M	NAD	Fair	ET5402AI202A ET5402AI202B	NA
Gray Caulk Used as Repair On Flashing	Roof 7	N / M	NAD	Fair	ET5402AI203A ET5402AI203B	NA
Light Gray EPDM Roofing	Roof 8 (First Layer)	N / M	NAD	Fair	ET5402AI204A ET5402AI204B	NA
White Gypsum Board	Roof 8 (Second Layer)	Y / M	NAD	Fair	ET5402AI205A ET5402AI205B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 8 (Third Layer)	Y / M	NAD	Fair	ET5402AI206A ET5402AI206B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 8 (Fourth Layer)	Y / M	NAD	Fair	ET5402AI207A ET5402AI207B	NA
White Gypsum Board	Roof 8 (Fifth Layer)	Y / M	NAD	Fair	ET5402AI208A ET5402AI208B	NA
Black Roof Vapor Barrier	Roof 8 (Bottom Layer on Deck)	N / M	NAD	Fair	ET5402AI209A ET5402AI209B	NA
Light Gray EPDM Roofing	Roof 9 (First Layer)	N / M	NAD	Fair	ET5402AI210A ET5402AI210B	NA
White Gypsum Board	Roof 9 (Second Layer)	N / M	NAD	Fair	ET5402AI211A ET5402AI211B	NA
Black Roof Vapor Barrier	Roof 9 (Bottom Layer on Deck)	N / M	NAD	Fair	ET5402AI212A ET5402AI212B	NA
Gray Caulk	Roof 4 (Skylight Repair)	N / M	NAD	Fair	ET5402AI213A ET5402AI213B	NA
Light Gray EPDM Roofing	Roof 10 (First Layer)	N / M	NAD	Fair	ET5402AI214A ET5402AI214B	NA
White Gypsum Board	Roof 10 (Second Layer)	Y / M	NAD	Fair	ET5402AI215A ET5402AI215B	NA

Table D-I
Summary of Suspect ACM and Analytical Results

Black Insulation Backing Paper Associated with Yellow Insulation	Roof 10 (Third Layer)	Y / M	NAD	Fair	ET5402AI216A ET5402AI216B	NA
Black Insulation Backing Paper Associated with Yellow Insulation	Roof 10 (Fourth Layer)	Y / M	NAD	Fair	ET5402AI217A ET5402AI217B	NA
Black Roof Tar	Roof 10 (Fifth Layer)	N / M	NAD	Fair	ET5402AI218A ET5402AI218B	NA
Brown Isolation Board	Roof 10 (Bottom Layer on Deck)	Y / M	NAD	Fair	ET5402AI219A ET5402AI219B	NA
Black Roof Flashing Tar Associated with Skylights	Roof 10	N / M	NAD	Fair	ET5402AI220A ET5402AI220B	NA

Table D-II

Summary of Suspect PCB-Containing Caulk/Sealants and Analytical Results

Color / Material Description	General Location [1, 2]	Sample Numbers	Total PCB (ppm)
Black Window Frame Caulk	Corridor 179, Classroom 177/178, Corridor C200, Toilet 214, Toilet 207, Corridor 312	ET5402PI07	23.9
White Caulk Associated with Window Frame and CWT	**Corridor 179, Stair 180, Stair 186, Stair 210, Corridor C200, Corridor 312, Stair 211, Stair 313, Stair 319, Corridor 154, Corridor 154A**	**ET5402PI08**	**118,000**
Black Door Frame Caulk	**Corridor 179, Classroom 165, Classroom 164, Stair 180, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Stair 186, Stair 210, Corridor 312, Stair 211, Stair 313, Stair 319, Corridor 154, Library 155, Main Office 159, Security 158, Principal 161, Corridor 129, Vestibule 116, Corridor 154A, Corridor C200**	**ET5402PI09**	**24,000**
Gray Window Caulk	**Classroom 177/178, Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Corridor 312, Toilet B311T, Toilet G311T, Office 307B, Room 207, Room 208, Room 214**	**ET5402PI21**	**20,500**
Clear Caulk Associated with Heating Unit	**Classroom 177/178**	**ET5402PI23**	**30,000**
White Door Frame Caulk	Toilet 176	ET5402PI26	13.9

Table D-II

Summary of Suspect PCB-Containing Caulk/Sealants and Analytical Results

Color / Material Description	General Location [1, 2]	Sample Numbers	Total PCB (ppm)
White Fixture Caulk	Toilet 176, Toilet 181T, Toilet 182T, Toilet 183T, Toilet 184T, Toilet 214, Toilet 214A, Toilet 207, Toilet 207A, Toilet B311TA, Toilet B311T, Toilet G311TA, Toilet G311T, Office 151D, Nurse 151, Toilet 109, Toilet 185T	ET5402PI32	1.63
Brown Door Frame Caulk Used as Repair Over White Caulk	Toilet 176	ET5402PI36	7.13
Off-White Fixture and Pipe Chase Panel Caulk	Toilet 175	ET5402PI43	11.6
White Caulk Associated with Countertop and Wall Transition	Toilet 171, Faculty Room 170, Speech 166, Classroom 165, Classroom 164, Classroom 213, Classroom 213A, Classroom 208, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301	ET5402PI53	4.5
White Caulk Associated with Ceiling Perimeter and Pipe Penetrations	Custodial 169	ET5402PI63	3.57
White Fire Stop Sealant	Corridor 179, Corridor C200	ET5402PI65	4.28
Red Fire Stop Sealant	Corridor 154A, Speech 166, Stair 186	ET5402PI66	2.62
Black Caulk	Classroom 165, Stair 100 (Exterior Door Window)	ET5402PI72	3.7
White Caulk Associated with Bottom Step	Stair 180, Stair 186	ET5402PI88	7.13
Clear Repair Caulk	Classroom 205A, Toilet G311TA	ET5402PI105	2.76

Table D-II

Summary of Suspect PCB-Containing Caulk/Sealants and Analytical Results

Color / Material Description	General Location [1, 2]	Sample Numbers	Total PCB (ppm)
Dark Gray Window Frame Caulk	**Classroom 177/178, Classroom 165, Classroom 164, Classroom 181, Classroom 182, Classroom 183, Classroom 184, Classroom 185, Classroom 213, Classroom 213A, Classroom 208, Office 214A, Office 214B, Classroom 216, Classroom 216A, Classroom 205A, Classroom 205, Classroom 204, Classroom 203, Classroom 202, Classroom 201, Classroom 310, Classroom 309, Classroom 308, Classroom 307, Classroom 306, Classroom 305B, Classroom 305A, Classroom 304, Classroom 303, Classroom 302, Classroom 301, Corridor 312, Toilet B311T, Toilet G311T, Office 307B, Room 207, Room 208, Room 214**	**ET5402PI157**	**727**
Dark Gray Caulk Associated with Soffit Panel	**First Floor Soffit Area, Gymnasium and Cafetorium Soffit Area, Third Floor Soffit Area, Library Roof Soffit Area**	**ET5402PI160**	**32,800**
Beige Expansion Joint Caulk	**North and South Exterior Where First Story Meets Third Story Building**	**ET5402PI161**	**45,000**
White Caulk Associated with Drinking Fountain	Boys Locker 108	ET5402PI163	12.7
White Flashing Caulk	Roof 2, Roof 3, Roof 4, Roof 5, Roof 6, Roof 7	ET5402PI183	12.7
Dark Gray Caulk Associated with Metal Cap Panel Seams	Roof 1, Roof 2, Roof 3, Roof 4, Roof 5, Roof 6, Roof 7, Roof 8, Roof 10	ET5402PI196	2.37
Gray Caulk Used as Repair On Metal Cap Seams	Roof 10	ET5402PI197	5.89
Gray Caulk Used as Repair On Flashing	**Roof 7**	**ET5402PI203**	**164**
Gray Caulk	Roof 4 (Skylight Repair)	ET5402PI213	0.888

APPENDIX E

SUMMARY OF XRF RESULTS AND CALIBRATION CHECKS

Table E-I

Summary of XRF Test Results - Lead Detected at Greater than or Equal to 1 mg/cm^2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
31	1/6/2026	18:12:08	Room	Wall	Ceramic	A	Intact	Green	ET5402	Storage 121	3.6
32	1/6/2026	18:12:26	Room	Wall	Ceramic	B	Intact	Green	ET5402	Storage 121	4.6
33	1/6/2026	18:12:43	Room	Wall	Ceramic	C	Intact	Green	ET5402	Storage 121	4.1
34	1/6/2026	18:13:01	Room	Wall	Ceramic	D	Intact	Green	ET5402	Storage 121	3.7
38	1/6/2026	18:21:09	Room	Wall	Block	A	Intact	Green	ET5402	Kitchen 128	2.0
39	1/6/2026	18:21:35	Room	Wall	Block	B	Intact	Green	ET5402	Kitchen 128	2.3
40	1/6/2026	18:21:56	Room	Wall	Block	C	Intact	Green	ET5402	Kitchen 128	2.5
41	1/6/2026	18:35:36	Room	Wall	Block	C	Intact	Green	ET5402	Kitchen 128	2.4
42	1/6/2026	18:36:06	Room	Wall	Block	D	Intact	Green	ET5402	Kitchen 128	2.4
388	1/7/2026	19:41:26	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Principal 161	1.0
389	1/7/2026	19:41:57	Door	Frame	Metal	B	Intact	Off-White	ET5402	Principal 161	1.4
652	2/17/2026	16:25:27	I-Beam	N/A	Metal	Center	Intact	Orange	ET5402	Crawlspace	15.3

Notes:

Alpha numerical room side designations were based on A beginning with the address side of the building and progressing clockwise around the room.

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
6	1/6/2026	17:48:01	Room	Wall	Plaster	B	Intact	White	ET5402	Cafetorium 132	0.2
9	1/6/2026	17:51:32	Door	Jamb	Metal	D	Intact	Beige	ET5402	Cafetorium 132	0.4
10	1/6/2026	17:51:52	Door	Frame	Metal	D	Intact	Beige	ET5402	Cafetorium 132	0.4
15	1/6/2026	17:57:41	Door	Jamb	Metal	C	Intact	White	ET5402	Stage 132A	0.1
16	1/6/2026	17:58:02	Door	Frame	Metal	C	Intact	White	ET5402	Stage 132A	0.1
21	1/6/2026	18:02:13	Room	Ceiling	Plaster	Center	Intact	Off-White	ET5402	Band 133	0.1
23	1/6/2026	18:05:03	Room	Wall	Block	A	Intact	Light Green	ET5402	Storage 133A	0.2
26	1/6/2026	18:06:06	Room	Wall	Block	D	Intact	Light Green	ET5402	Storage 133A	0.1
29	1/6/2026	18:11:03	Door	Frame	Metal	C	Intact	Off-White	ET5402	Storage 121	0.5
30	1/6/2026	18:11:24	Door	Jamb	Metal	C	Intact	Off-White	ET5402	Storage 121	0.6
35	1/6/2026	18:15:25	Room	Ceiling	Plaster	Center	Intact	Off-White	ET5402	Storage 121	0.1
51	1/6/2026	19:00:15	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Custodial 119	0.6
52	1/6/2026	19:00:35	Door	Frame	Metal	D	Intact	Off-White	ET5402	Custodial 119	0.2
53	1/6/2026	19:01:04	Room	Floor	Concrete	Center	Intact	Gray	ET5402	Custodial 119	0.2
58	1/6/2026	19:06:00	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Music Rm 117	0.6
59	1/6/2026	19:06:28	Door	Frame	Metal	D	Intact	Light Green	ET5402	Music Rm 117	0.2
60	1/6/2026	19:08:03	Door	Frame	Metal	C	Intact	Light Green	ET5402	Practice Rm 118A	0.2
61	1/6/2026	19:08:59	Door	Jamb	Metal	C	Intact	Off-White	ET5402	Practice Rm 118A	0.7
74	1/6/2026	19:22:01	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Boys Locker 108	0.3
77	1/6/2026	19:23:11	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Boys Locker 108	0.2
78	1/6/2026	19:24:36	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Shower 110	0.1
79	1/6/2026	19:24:57	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Shower 110	0.1
83	1/6/2026	19:28:32	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Drying 111	0.2
84	1/6/2026	19:28:53	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Drying 111	0.2
85	1/6/2026	19:29:10	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Drying 111	0.1
86	1/6/2026	19:29:28	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Drying 111	0.1
92	1/6/2026	19:42:46	Door	Jamb	Metal	A	Intact	Off-White	ET5402	Storage 107	0.4
93	1/6/2026	19:43:05	Door	Frame	Metal	A	Intact	Off-White	ET5402	Storage 107	0.5
94	1/6/2026	19:46:20	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Office 105	0.4
96	1/6/2026	19:47:06	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Office 105	0.2
98	1/6/2026	19:47:53	Door	Jamb	Metal	D	Intact	Beige	ET5402	Office 105	0.1
100	1/6/2026	19:48:59	Door	Frame	Metal	C	Intact	Beige	ET5402	Toilet 106	0.4
101	1/6/2026	19:49:21	Door	Jamb	Metal	C	Intact	Beige	ET5402	Toilet 106	0.6
108	1/6/2026	19:56:51	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Toilet 109	0.1

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
109	1/6/2026	19:57:10	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Toilet 109	0.3
110	1/6/2026	19:57:39	Door	Jamb	Metal	B	Intact	Beige	ET5402	Toilet 109	0.6
111	1/6/2026	19:57:58	Door	Frame	Metal	B	Intact	Beige	ET5402	Toilet 109	0.4
113	1/6/2026	20:00:36	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Passage 112	0.1
114	1/6/2026	20:00:53	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Passage 112	0.1
115	1/6/2026	20:01:09	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Passage 112	0.1
120	1/6/2026	20:05:15	Stair	Risers	Metal	Center	Intact	Gray	ET5402	Stair 114	0.1
121	1/6/2026	20:05:41	Stair	Treads	Metal	Center	Intact	Yellow	ET5402	Stair 114	0.3
122	1/6/2026	20:06:08	Room	Floor	Concrete	Center	Intact	Gray	ET5402	Stair 114	0.3
125	1/6/2026	20:11:24	Room	Wall	Plaster	B	Intact	Dark Gray	ET5402	Boiler Room	0.3
126	1/6/2026	20:11:43	Room	Wall	Plaster	B	Intact	Light Gray	ET5402	Boiler Room	0.2
129	1/6/2026	20:12:52	Room	Wall	Plaster	D	Intact	Dark Gray	ET5402	Boiler Room	0.2
131	1/6/2026	20:13:37	Room	Floor	Concrete	Center	Intact	Gray	ET5402	Boiler Room	0.2
132	1/6/2026	20:14:08	Door	Jamb	Metal	A	Intact	Light Gray	ET5402	Boiler Room	0.4
133	1/6/2026	20:14:28	Door	Frame	Metal	A	Intact	Light Gray	ET5402	Boiler Room	0.3
134	1/6/2026	20:23:47	Room	Wall	Ceramic	A	Intact	Beige	ET5402	OT Office 139	0.1
135	1/6/2026	20:24:05	Room	Wall	Ceramic	B	Intact	Beige	ET5402	OT Office 139	0.1
136	1/6/2026	20:24:21	Room	Wall	Ceramic	C	Intact	Beige	ET5402	OT Office 139	0.2
138	1/6/2026	20:25:21	Door	Jamb	Metal	B	Intact	Beige	ET5402	OT Office 139	0.6
139	1/6/2026	20:25:47	Door	Frame	Metal	B	Intact	Beige	ET5402	OT Office 139	0.1
140	1/6/2026	20:27:35	Room	Wall	Ceramic	A	Intact	Beige	ET5402	OT/PT 136A	0.3
142	1/6/2026	20:28:13	Room	Wall	Gypsum	C	Intact	White	ET5402	OT/PT 136A	0.1
144	1/6/2026	20:30:15	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Office 135A	0.1
145	1/6/2026	20:30:32	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Office 137	0.1
147	1/6/2026	20:31:06	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Office 135A	0.2
152	1/6/2026	20:44:12	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Girls Locker Rm 136B	0.1
154	1/6/2026	20:46:00	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Toilet 134	0.1
155	1/6/2026	20:46:15	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Toilet 134	0.1
156	1/6/2026	20:46:50	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Toilet 134	0.1
157	1/6/2026	20:47:15	Door	Jamb	Metal	D	Intact	Beige	ET5402	Toilet 134	0.6
158	1/6/2026	20:47:33	Door	Frame	Metal	D	Intact	Beige	ET5402	Toilet 134	0.5
159	1/6/2026	20:53:45	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Entry 136	0.1
162	1/6/2026	20:54:36	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Entry 136	0.1
163	1/6/2026	20:55:01	Door	Jamb	Metal	D	Intact	Beige	ET5402	Entry 136	0.5

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
164	1/6/2026	20:55:19	Door	Frame	Metal	D	Intact	Beige	ET5402	Entry 136	0.5
165	1/6/2026	21:00:51	Door	Frame	Metal	B	Intact	Beige	ET5402	Gym Storage 140	0.2
166	1/6/2026	21:01:09	Door	Jamb	Metal	B	Intact	Beige	ET5402	Gym Storage 140	0.2
167	1/6/2026	21:01:35	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Gym Storage 140	0.1
168	1/6/2026	21:01:52	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Gym Storage 140	0.2
171	1/6/2026	21:06:25	Room	Wall	Gypsum	A	Intact	Green	ET5402	Nurse 151	0.1
174	1/6/2026	21:07:39	Room	Wall	Gypsum	D	Intact	White	ET5402	Nurse 151	0.2
175	1/6/2026	21:08:08	Room	Ceiling	Gypsum	Center	Intact	Purple	ET5402	Nurse 151	0.1
177	1/6/2026	21:10:19	Room	Wall	Gypsum	B	Intact	Beige	ET5402	Office 151A	0.1
178	1/6/2026	21:10:36	Room	Wall	Gypsum	C	Intact	Beige	ET5402	Office 151A	0.1
179	1/6/2026	21:10:54	Room	Wall	Gypsum	D	Intact	Beige	ET5402	Office 151A	0.4
193	1/6/2026	21:22:25	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Exam 152	0.3
194	1/6/2026	21:22:42	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Exam 152	0.2
195	1/6/2026	21:23:02	Room	Wall	Plaster	C	Intact	Yellow	ET5402	Exam 152	0.2
197	1/6/2026	21:24:19	Door	Jamb	Metal	A	Intact	White	ET5402	Exam 152	0.4
198	1/6/2026	21:24:40	Door	Frame	Metal	A	Intact	White	ET5402	Exam 152	0.4
201	1/6/2026	21:28:27	Room	Wall	Gypsum	C	Intact	Off-White	ET5402	Storage 152A	0.2
202	1/6/2026	21:28:46	Room	Wall	Gypsum	D	Intact	Off-White	ET5402	Storage 152A	0.2
207	1/6/2026	21:32:00	Room	Ceiling	Gypsum	Center	Intact	Purple	ET5402	Toilet 145	0.1
210	1/6/2026	21:36:09	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Lobby 149	0.2
214	1/6/2026	21:38:31	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Corridor 142	0.5
215	1/6/2026	21:38:59	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Corridor 141	0.5
216	1/6/2026	21:39:17	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Corridor 141	0.6
221	1/6/2026	21:48:06	Door	Jamb	Metal	B	Intact	Blue	ET5402	Gymnasium 130	0.6
222	1/6/2026	21:48:27	Door	Frame	Metal	B	Intact	Blue	ET5402	Gymnasium 130	0.2
232	1/7/2026	17:43:48	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Boys Bath 143	0.1
234	1/7/2026	17:44:44	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Boys Bath 143	0.4
235	1/7/2026	17:45:02	Door	Frame	Metal	B	Intact	Off-White	ET5402	Boys Bath 143	0.3
236	1/7/2026	17:46:36	Door	Frame	Metal	B	Intact	Off-White	ET5402	Laundry 144	0.3
237	1/7/2026	17:46:53	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Laundry 144	0.3
238	1/7/2026	17:47:27	Room	Wall	Plaster	A	Intact	Green	ET5402	Laundry 144	0.1
239	1/7/2026	17:47:45	Room	Wall	Plaster	B	Intact	Green	ET5402	Laundry 144	0.2
242	1/7/2026	17:48:47	Room	Wall	Plaster	C	Intact	Green	ET5402	Laundry 144	0.1
243	1/7/2026	17:49:06	Room	Wall	Plaster	D	Intact	Green	ET5402	Laundry 144	0.2
251	1/7/2026	17:53:49	Door	Jamb	Metal	A	Intact	Off-White	ET5402	Girls Bath 146	0.5

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
252	1/7/2026	17:54:08	Door	Frame	Metal	A	Intact	Off-White	ET5402	Girls Bath 146	0.4
256	1/7/2026	17:57:46	Room	Wall	Ceramic	B	Intact	White	ET5402	Toilet 146B	0.2
259	1/7/2026	17:58:40	Room	Floor	Ceramic	Center	Intact	Off-White	ET5402	Toilet 146B	0.1
260	1/7/2026	18:09:49	Room	Floor	Ceramic	Center	Intact	Off-White	ET5402	Passage 146A	0.1
264	1/7/2026	18:10:59	Room	Wall	Ceramic	D	Intact	White	ET5402	Passage 146A	0.3
265	1/7/2026	18:11:27	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Passage 146A	0.4
266	1/7/2026	18:11:43	Door	Frame	Metal	B	Intact	Off-White	ET5402	Passage 146A	0.3
269	1/7/2026	18:22:56	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Stair 313	0.1
275	1/7/2026	18:25:11	Window	Sill	Metal	D	Intact	Brown	ET5402	Stair 313	0.1
278	1/7/2026	18:28:09	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Corridor 312	0.1
286	1/7/2026	18:32:07	Window	Sill	Metal	C	Intact	Brown	ET5402	Corridor 312	0.1
287	1/7/2026	18:32:28	Window	Frame	Metal	C	Intact	Brown	ET5402	Corridor 312	0.1
288	1/7/2026	18:35:01	Room	Wall	Plaster	B	Intact	White	ET5402	Classroom 305B	0.2
291	1/7/2026	18:36:15	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Classroom 305B	0.3
292	1/7/2026	18:36:34	Door	Frame	Metal	B	Intact	Off-White	ET5402	Classroom 305B	0.1
293	1/7/2026	18:38:08	Window	Sill	Metal	D	Intact	Brown	ET5402	Classroom 305A	0.1
294	1/7/2026	18:38:27	Window	Frame	Metal	D	Intact	Brown	ET5402	Classroom 305A	0.1
295	1/7/2026	18:38:56	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 305A	0.2
296	1/7/2026	18:39:57	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 304	0.3
297	1/7/2026	18:40:13	Room	Wall	Plaster	B	Intact	White	ET5402	Classroom 304	0.2
298	1/7/2026	18:40:34	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 304	0.2
300	1/7/2026	18:41:28	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Classroom 304	0.3
301	1/7/2026	18:41:46	Door	Frame	Metal	B	Intact	Off-White	ET5402	Classroom 304	0.3
302	1/7/2026	18:43:18	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 303	0.2
303	1/7/2026	18:43:35	Room	Wall	Plaster	B	Intact	White	ET5402	Classroom 303	0.3
306	1/7/2026	18:44:48	Window	Casing	Metal	D	Intact	Brown	ET5402	Classroom 303	0.1
308	1/7/2026	18:46:51	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 302	0.3
309	1/7/2026	18:47:07	Room	Wall	Plaster	B	Intact	White	ET5402	Classroom 302	0.2
312	1/7/2026	18:48:19	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Classroom 302	0.2
313	1/7/2026	18:48:36	Door	Frame	Metal	B	Intact	Off-White	ET5402	Classroom 302	0.2
316	1/7/2026	18:51:16	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 301	0.2
319	1/7/2026	18:52:52	Window	Frame	Metal	D	Intact	Brown	ET5402	Classroom 301	0.1
331	1/7/2026	19:00:19	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 310	0.4
332	1/7/2026	19:00:45	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Classroom 310	0.3
333	1/7/2026	19:01:02	Door	Frame	Metal	D	Intact	Off-White	ET5402	Classroom 310	0.3

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
334	1/7/2026	19:02:21	Window	Sill	Metal	B	Intact	Brown	ET5402	Classroom 309	0.1
336	1/7/2026	19:03:13	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 309	0.1
339	1/7/2026	19:06:57	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 308	0.3
340	1/7/2026	19:07:17	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 308	0.1
341	1/7/2026	19:07:50	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Classroom 308	0.3
342	1/7/2026	19:08:06	Door	Frame	Metal	D	Intact	Off-White	ET5402	Classroom 308	0.2
347	1/7/2026	19:11:07	Door	Jamb	Metal	D	Intact	Green	ET5402	Girls Bath G311TA	0.3
348	1/7/2026	19:11:25	Door	Frame	Metal	D	Intact	Green	ET5402	Girls Bath G311TA	0.1
351	1/7/2026	19:14:00	Room	Wall	Ceramic	C	Intact	Green	ET5402	Boys Bath B311T	0.1
352	1/7/2026	19:14:19	Room	Wall	Ceramic	D	Intact	Green	ET5402	Boys Bath B311TA	0.1
353	1/7/2026	19:16:07	Room	Wall	Gypsum	A	Intact	Blue	ET5402	Office 307B	0.3
357	1/7/2026	19:17:41	Window	Sill	Metal	B	Intact	Brown	ET5402	Office 307B	0.1
359	1/7/2026	19:18:29	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Office 307B	0.3
360	1/7/2026	19:18:45	Door	Frame	Metal	D	Intact	Off-White	ET5402	Office 307B	0.2
362	1/7/2026	19:21:34	Room	Wall	Plaster	B	Intact	Gray	ET5402	Classroom 307	0.3
364	1/7/2026	19:22:23	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Classroom 307	0.3
365	1/7/2026	19:22:39	Door	Frame	Metal	D	Intact	Off-White	ET5402	Classroom 307	0.3
367	1/7/2026	19:25:00	Window	Sill	Metal	B	Intact	Brown	ET5402	Classroom 306	0.1
368	1/7/2026	19:25:22	Window	Frame	Metal	B	Intact	Brown	ET5402	Classroom 306	0.1
372	1/7/2026	19:31:50	Door	Jamb	Metal	C	Intact	Off-White	ET5402	Waiting 157	0.4
373	1/7/2026	19:32:07	Door	Frame	Metal	C	Intact	Off-White	ET5402	Waiting 157	0.4
376	1/7/2026	19:34:08	Window	Sill	Metal	A	Intact	Brown	ET5402	Security 158	0.2
377	1/7/2026	19:34:25	Window	Frame	Metal	A	Intact	Brown	ET5402	Security 158	0.1
379	1/7/2026	19:35:18	Room	Wall	Plaster	B	Intact	White	ET5402	Security 158	0.3
382	1/7/2026	19:37:39	Room	Wall	Plaster	A	Intact	White	ET5402	Main Office 159	0.2
384	1/7/2026	19:38:21	Room	Wall	Plaster	C	Intact	White	ET5402	Main Office 159	0.3
386	1/7/2026	19:39:26	Window	Sill	Metal	A	Intact	Brown	ET5402	Main Office 159	0.2
390	1/7/2026	19:43:00	Room	Wall	Plaster	A	Intact	Light Gray	ET5402	Principal 161	0.3
391	1/7/2026	19:43:20	Room	Wall	Plaster	B	Intact	Light Gray	ET5402	Principal 161	0.3
403	1/7/2026	19:54:10	Window	Frame	Metal	C	Intact	Brown	ET5402	Corridor 154	0.1
406	1/7/2026	19:59:07	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Stair 211	0.2
411	1/7/2026	20:01:43	Window	Casing	Metal	D	Intact	Brown	ET5402	Stair 211	0.1
418	1/7/2026	20:17:28	Window	Sill	Metal	D	Intact	Brown	ET5402	Classroom 205A	0.1
419	1/7/2026	20:17:49	Window	Frame	Metal	D	Intact	Brown	ET5402	Classroom 205A	0.1
420	1/7/2026	20:19:33	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 205	0.3

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
421	1/7/2026	20:19:59	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Classroom 205	0.4
422	1/7/2026	20:20:16	Door	Frame	Metal	B	Intact	Off-White	ET5402	Classroom 205	0.3
423	1/7/2026	20:21:31	Door	Frame	Metal	B	Intact	Off-White	ET5402	Classroom 204	0.3
424	1/7/2026	20:21:49	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Classroom 204	0.2
426	1/7/2026	20:22:35	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Classroom 204	0.1
429	1/7/2026	20:24:58	Room	Wall	Plaster	A	Intact	Light Blue	ET5402	Classroom 203	0.4
430	1/7/2026	20:25:15	Room	Wall	Plaster	B	Intact	Light Blue	ET5402	Classroom 203	0.4
436	1/7/2026	20:29:26	Room	Wall	Plaster	B	Intact	Light Blue	ET5402	Classroom 202	0.4
445	1/7/2026	20:34:43	Window	Sill	Metal	D	Intact	Brown	ET5402	Classroom 201	0.1
446	1/7/2026	20:35:24	Window	Frame	Metal	D	Intact	Brown	ET5402	Classroom 201	0.1
449	1/7/2026	20:38:18	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Stair 210	0.2
459	1/7/2026	20:43:34	Window	Sill	Metal	B	Intact	Brown	ET5402	Classroom 213	0.1
460	1/7/2026	20:43:52	Window	Frame	Metal	B	Intact	Brown	ET5402	Classroom 213	0.1
461	1/7/2026	20:45:25	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 213A	0.2
462	1/7/2026	20:45:48	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Classroom 213A	0.3
463	1/7/2026	20:46:05	Door	Frame	Metal	D	Intact	Off-White	ET5402	Classroom 213A	0.3
466	1/7/2026	20:48:11	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Classroom 208	0.4
467	1/7/2026	20:48:36	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Classroom 208	0.4
471	1/7/2026	20:51:48	Room	Wall	Ceramic	B	Intact	Green	ET5402	Girls Bath 214	0.1
472	1/7/2026	20:52:04	Room	Wall	Ceramic	C	Intact	Green	ET5402	Girls Bath 214	0.1
474	1/7/2026	20:52:53	Door	Jamb	Metal	D	Intact	Green	ET5402	Girls Bath 214A	0.3
475	1/7/2026	20:53:11	Door	Frame	Metal	D	Intact	Green	ET5402	Girls Bath 214A	0.3
478	1/7/2026	20:56:19	Room	Wall	Gypsum	C	Intact	White	ET5402	Guidance 215	0.2
479	1/7/2026	20:56:37	Room	Wall	Gypsum	D	Intact	White	ET5402	Guidance 215	0.3
480	1/7/2026	21:01:13	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Guidance 215	0.4
481	1/7/2026	21:01:30	Door	Frame	Metal	D	Intact	Off-White	ET5402	Guidance 215	0.2
482	1/7/2026	21:02:28	Room	Wall	Gypsum	A	Intact	White	ET5402	Office 214A	0.3
488	1/7/2026	21:06:02	Window	Sill	Metal	B	Intact	Brown	ET5402	Office 214B	0.2
489	1/7/2026	21:06:19	Window	Frame	Metal	B	Intact	Brown	ET5402	Office 214B	0.1
492	1/7/2026	21:07:26	Room	Wall	Gypsum	C	Intact	White	ET5402	Office 214B	0.3
498	1/7/2026	21:10:48	Window	Frame	Metal	B	Intact	Brown	ET5402	Classroom 216	0.1
499	1/7/2026	21:12:30	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Classroom 216A	0.5
500	1/7/2026	21:12:49	Door	Frame	Metal	D	Intact	Off-White	ET5402	Classroom 216A	0.3
505	1/7/2026	21:15:49	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Corridor C200	0.3
511	1/7/2026	21:18:28	Window	Frame	Metal	C	Intact	Brown	ET5402	Corridor C200	0.1

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
516	1/7/2026	21:25:14	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Corridor 179	0.1
518	1/7/2026	21:25:55	Room	Wall	Ceramic	B	Intact	Green	ET5402	Corridor 179	0.1
519	1/7/2026	21:26:21	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Corridor 179	0.3
520	1/7/2026	21:26:50	Door	Jamb	Metal	B	Intact	Brown	ET5402	Corridor 179	0.1
521	1/7/2026	21:27:09	Door	Frame	Metal	B	Intact	Brown	ET5402	Corridor 179	0.1
525	1/7/2026	21:29:14	Window	Frame	Metal	C	Intact	Brown	ET5402	Corridor 179	0.1
530	1/7/2026	21:33:21	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Stair 180	0.2
539	1/7/2026	21:38:09	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Stair 186	0.2
550	1/7/2026	21:44:22	Room	Wall	Plaster	C	Intact	Light Blue	ET5402	Classroom 178	0.3
552	1/7/2026	21:45:06	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Classroom 178	0.3
553	1/7/2026	21:45:38	Door	Frame	Metal	D	Intact	Gray	ET5402	Classroom 178	0.2
561	1/7/2026	21:51:15	Room	Wall	Ceramic	B	Intact	Green	ET5402	Toilet 175	0.1
562	1/7/2026	21:51:31	Room	Wall	Ceramic	C	Intact	Green	ET5402	Toilet 175	0.1
563	1/7/2026	21:51:46	Room	Wall	Ceramic	D	Intact	Green	ET5402	Toilet 175	0.1
564	1/7/2026	21:52:14	Door	Jamb	Metal	B	Intact	Green	ET5402	Toilet 175	0.2
565	1/7/2026	21:52:30	Door	Frame	Metal	B	Intact	Green	ET5402	Toilet 175	0.3
568	1/7/2026	21:55:22	Room	Wall	Plaster	C	Intact	Purple	ET5402	Restorative Room 174	0.4
570	1/7/2026	21:56:09	Door	Jamb	Metal	C	Intact	Off-White	ET5402	Restorative Room 174	0.4
571	1/7/2026	21:56:26	Door	Frame	Metal	C	Intact	Off-White	ET5402	Restorative Room 174	0.3
576	1/7/2026	22:00:12	Door	Jamb	Metal	A	Intact	Off-White	ET5402	Copy Room 173	0.3
577	1/7/2026	22:00:29	Door	Frame	Metal	A	Intact	Off-White	ET5402	Copy Room 173	0.2
580	1/7/2026	22:02:40	Room	Wall	Plaster	C	Intact	Beige	ET5402	Faculty 170	0.2
585	1/7/2026	22:05:20	Room	Wall	Ceramic	D	Intact	Green	ET5402	Toilet 171	0.1
586	1/7/2026	22:05:59	Door	Jamb	Metal	A	Intact	Off-White	ET5402	Toilet 171	0.3
587	1/7/2026	22:06:15	Door	Frame	Metal	A	Intact	Off-White	ET5402	Toilet 171	0.4
592	1/7/2026	22:10:43	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Custodial 169	0.1
593	1/7/2026	22:11:04	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Custodial 169	0.1
594	1/7/2026	22:11:22	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Custodial 169	0.1
595	1/7/2026	22:11:38	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Custodial 169	0.1
598	1/7/2026	22:14:50	Room	Wall	Plaster	C	Intact	Light Green	ET5402	Classroom 165	0.3
599	1/7/2026	22:15:09	Room	Wall	Plaster	D	Intact	Light Green	ET5402	Classroom 165	0.1
600	1/7/2026	22:15:40	Door	Jamb	Metal	B	Intact	Brown	ET5402	Classroom 165	0.2
602	1/7/2026	22:18:06	Room	Wall	Plaster	A	Intact	Light Green	ET5402	Classroom 164	0.2
606	1/7/2026	22:19:46	Window	Casing	Metal	B	Intact	Brown	ET5402	Classroom 164	0.2
608	1/7/2026	22:22:05	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 181	0.2

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
612	1/7/2026	22:23:42	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Classroom 181	0.3
613	1/7/2026	22:23:58	Door	Frame	Metal	B	Intact	Off-White	ET5402	Classroom 181	0.4
618	1/7/2026	22:28:24	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 182	0.2
620	1/7/2026	22:29:11	Room	Wall	Plaster	C	Intact	Light Green	ET5402	Classroom 182	0.3
621	1/7/2026	22:29:28	Room	Wall	Plaster	D	Intact	Light Green	ET5402	Classroom 182	0.3
622	1/7/2026	22:29:58	Door	Jamb	Metal	D	Intact	Brown	ET5402	Classroom 182	0.1
624	1/7/2026	22:32:27	Room	Wall	Plaster	A	Intact	Light Gray	ET5402	Classroom 183	0.1
628	1/7/2026	22:34:02	Window	Sill	Metal	D	Intact	Brown	ET5402	Classroom 183	0.1
629	1/7/2026	22:34:29	Window	Frame	Metal	D	Intact	Brown	ET5402	Classroom 183	0.1
631	1/7/2026	22:36:10	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Toilet 183T	0.1
635	1/7/2026	22:39:16	Room	Wall	Plaster	B	Intact	Light Green	ET5402	Classroom 184	0.4
636	1/7/2026	22:39:44	Room	Wall	Plaster	C	Intact	Light Green	ET5402	Classroom 184	0.2
637	1/7/2026	22:40:01	Room	Wall	Plaster	D	Intact	Light Green	ET5402	Classroom 184	0.4
638	1/7/2026	22:40:29	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Classroom 184	0.2
639	1/7/2026	22:40:45	Door	Frame	Metal	B	Intact	Off-White	ET5402	Classroom 184	0.2
642	1/7/2026	22:43:45	Room	Wall	Plaster	C	Intact	Beige	ET5402	Classroom 185	0.3
643	1/7/2026	22:44:01	Room	Wall	Plaster	D	Intact	Beige	ET5402	Classroom 185	0.3
644	1/7/2026	22:44:26	Door	Jamb	Metal	D	Intact	Brown	ET5402	Classroom 185	0.1
645	1/7/2026	22:44:43	Door	Frame	Metal	D	Intact	Brown	ET5402	Classroom 185	0.1
654	2/17/2026	16:43:43	Room	Wall	Plaster	A	Intact	Dark Gray	ET5402	Crawlspace Entrance	0.1
659	2/17/2026	16:45:50	Room	Wall	Plaster	D	Intact	Dark Gray	ET5402	Crawlspace Entrance	0.1
660	2/17/2026	16:46:10	Room	Wall	Plaster	D	Intact	Light Gray	ET5402	Crawlspace Entrance	0.2

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
4	1/6/2026	17:47:19	Room	Wall	Block	A	Intact	Light Blue	ET5402	Cafetorium 132	0.0
5	1/6/2026	17:47:36	Room	Wall	Block	B	Intact	Light Blue	ET5402	Cafetorium 132	0.0
7	1/6/2026	17:48:44	Room	Wall	Block	C	Intact	Light Blue	ET5402	Cafetorium 132	0.0
8	1/6/2026	17:49:02	Room	Wall	Block	D	Intact	Light Blue	ET5402	Cafetorium 132	0.0
11	1/6/2026	17:55:33	Room	Wall	Block	A	Intact	White	ET5402	Stage 132A	0.0
12	1/6/2026	17:55:58	Room	Wall	Block	B	Intact	Light Blue	ET5402	Stage 132A	0.0
13	1/6/2026	17:56:48	Room	Wall	Block	C	Intact	White	ET5402	Stage 132A	0.0
14	1/6/2026	17:57:08	Room	Wall	Block	D	Intact	White	ET5402	Stage 132A	0.0
17	1/6/2026	18:00:23	Room	Wall	Gypsum	A	Intact	White	ET5402	Band 133	0.0
18	1/6/2026	18:00:56	Room	Wall	Block	B	Intact	Light Green	ET5402	Band 133	0.0
19	1/6/2026	18:01:17	Room	Wall	Block	C	Intact	Light Green	ET5402	Band 133	0.0
20	1/6/2026	18:01:39	Room	Wall	Block	D	Intact	Light Green	ET5402	Band 133	0.0
22	1/6/2026	18:03:54	Room	Ceiling	Plaster	Center	Intact	Off-White	ET5402	Storage 133A	0.0
24	1/6/2026	18:05:23	Room	Wall	Block	B	Intact	Light Green	ET5402	Storage 133A	0.0
25	1/6/2026	18:05:43	Room	Wall	Gypsum	C	Intact	Light Green	ET5402	Storage 133A	0.0
27	1/6/2026	18:06:47	Door	Jamb	Wood	C	Intact	Light Green	ET5402	Storage 133A	0.0
28	1/6/2026	18:07:06	Door	Frame	Wood	C	Intact	Light Green	ET5402	Storage 133A	0.0
36	1/6/2026	18:19:56	Door	Jamb	Metal	C	Intact	White	ET5402	Kitchen 128	0.0
37	1/6/2026	18:20:22	Door	Frame	Metal	C	Intact	White	ET5402	Kitchen 128	0.0
43	1/6/2026	18:39:53	Room	Wall	Block	A	Intact	Gray	ET5402	Custodial 119	0.0
44	1/6/2026	18:40:14	Room	Wall	Block	A	Intact	White	ET5402	Custodial 119	0.0
45	1/6/2026	18:40:43	Room	Wall	Block	B	Intact	White	ET5402	Custodial 119	0.0
46	1/6/2026	18:58:18	Room	Wall	Block	B	Intact	Gray	ET5402	Custodial 119	0.0
47	1/6/2026	18:58:41	Room	Wall	Block	C	Intact	Gray	ET5402	Custodial 119	0.0
48	1/6/2026	18:58:59	Room	Wall	Block	C	Intact	White	ET5402	Custodial 119	0.0
49	1/6/2026	18:59:18	Room	Wall	Block	D	Intact	White	ET5402	Custodial 119	0.0
50	1/6/2026	18:59:36	Room	Wall	Block	D	Intact	Gray	ET5402	Custodial 119	0.0
54	1/6/2026	19:04:15	Room	Wall	Plaster	A	Intact	Beige	ET5402	Music Rm 117	0.0
55	1/6/2026	19:04:34	Room	Wall	Plaster	B	Intact	Beige	ET5402	Music Rm 117	0.0
56	1/6/2026	19:04:59	Room	Wall	Plaster	C	Intact	Beige	ET5402	Music Rm 117	0.0
57	1/6/2026	19:05:21	Room	Wall	Plaster	D	Intact	White	ET5402	Music Rm 117	0.0
62	1/6/2026	19:10:52	Room	Wall	Block	A	Intact	Beige	ET5402	Practice Rm 118A	0.0
63	1/6/2026	19:11:12	Room	Wall	Block	B	Intact	Beige	ET5402	Practice Rm 118A	0.0
64	1/6/2026	19:11:28	Room	Wall	Block	C	Intact	Beige	ET5402	Practice Rm 118A	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
65	1/6/2026	19:11:48	Room	Wall	Block	D	Intact	Beige	ET5402	Practice Rm 118A	0.0
66	1/6/2026	19:12:36	Room	Wall	Block	A	Intact	Beige	ET5402	Practice Rm 118B	0.0
67	1/6/2026	19:12:53	Room	Wall	Block	B	Intact	Beige	ET5402	Practice Rm 118B	0.0
68	1/6/2026	19:13:23	Room	Wall	Block	C	Intact	Beige	ET5402	Practice Rm 118B	0.0
69	1/6/2026	19:13:41	Room	Wall	Block	D	Intact	Beige	ET5402	Practice Rm 118B	0.0
70	1/6/2026	19:14:25	Room	Wall	Block	A	Intact	Beige	ET5402	Practice Rm 118C	0.0
71	1/6/2026	19:14:43	Room	Wall	Block	B	Intact	Beige	ET5402	Practice Rm 118C	0.0
72	1/6/2026	19:15:11	Room	Wall	Block	C	Intact	Beige	ET5402	Practice Rm 118C	0.0
73	1/6/2026	19:15:35	Room	Wall	Block	D	Intact	Beige	ET5402	Practice Rm 118C	0.0
75	1/6/2026	19:22:19	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Boys Locker 108	0.0
76	1/6/2026	19:22:50	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Boys Locker 108	0.0
80	1/6/2026	19:25:18	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Shower 110	0.0
81	1/6/2026	19:25:39	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Shower 110	0.0
82	1/6/2026	19:26:14	Room	Ceiling	Gypsum	Center	Intact	White	ET5402	Shower 110	0.0
87	1/6/2026	19:40:03	Room	Wall	Block	A	Intact	Off-White	ET5402	Storage 107	0.0
88	1/6/2026	19:40:19	Room	Wall	Block	B	Intact	Off-White	ET5402	Storage 107	0.0
89	1/6/2026	19:40:38	Room	Wall	Block	C	Intact	Off-White	ET5402	Storage 107	0.0
90	1/6/2026	19:40:54	Room	Wall	Block	D	Intact	Off-White	ET5402	Storage 107	0.0
91	1/6/2026	19:42:08	Room	Ceiling	Plaster	Center	Intact	White	ET5402	Storage 107	0.0
95	1/6/2026	19:46:40	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Office 105	0.0
97	1/6/2026	19:47:23	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Office 105	0.0
99	1/6/2026	19:48:12	Door	Frame	Metal	D	Intact	Beige	ET5402	Office 105	0.0
102	1/6/2026	19:49:53	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Toilet 106	0.0
103	1/6/2026	19:50:11	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Toilet 106	0.0
104	1/6/2026	19:50:27	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Toilet 106	0.0
105	1/6/2026	19:50:44	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Toilet 106	0.0
106	1/6/2026	19:56:17	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Toilet 109	0.0
107	1/6/2026	19:56:34	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Toilet 109	0.0
112	1/6/2026	20:00:19	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Passage 112	0.0
116	1/6/2026	20:03:40	Room	Wall	Block	A	Intact	White	ET5402	Stair 114	0.0
117	1/6/2026	20:03:58	Room	Wall	Block	B	Intact	White	ET5402	Stair 114	0.0
118	1/6/2026	20:04:14	Room	Wall	Block	C	Intact	White	ET5402	Stair 114	0.0
119	1/6/2026	20:04:39	Room	Wall	Block	D	Intact	White	ET5402	Stair 114	0.0
123	1/6/2026	20:10:44	Room	Wall	Block	A	Intact	Light Gray	ET5402	Boiler Room	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
124	1/6/2026	20:11:02	Room	Wall	Block	A	Intact	Dark Gray	ET5402	Boiler Room	0.0
127	1/6/2026	20:12:12	Room	Wall	Block	C	Intact	Light Gray	ET5402	Boiler Room	0.0
128	1/6/2026	20:12:29	Room	Wall	Block	C	Intact	Dark Gray	ET5402	Boiler Room	0.0
130	1/6/2026	20:13:10	Room	Wall	Plaster	D	Intact	Light Gray	ET5402	Boiler Room	0.0
137	1/6/2026	20:24:41	Room	Wall	Ceramic	D	Intact	Beige	ET5402	OT Office 139	0.0
141	1/6/2026	20:27:52	Room	Wall	Ceramic	B	Intact	Beige	ET5402	OT/PT 136A	0.0
143	1/6/2026	20:28:36	Room	Wall	Ceramic	D	Intact	Beige	ET5402	OT/PT 136A	0.0
146	1/6/2026	20:30:50	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Office 135A	0.0
148	1/6/2026	20:32:04	Room	Ceiling	Gypsum	Center	Intact	White	ET5402	Motor Lab 135	0.0
149	1/6/2026	20:43:00	Room	Wall	Gypsum	A	Intact	White	ET5402	Girls Locker Rm 136B	0.0
150	1/6/2026	20:43:25	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Girls Locker Rm 136B	0.0
151	1/6/2026	20:43:53	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Girls Locker Rm 136B	0.0
153	1/6/2026	20:45:43	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Toilet 134	0.0
160	1/6/2026	20:54:03	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Entry 136	0.0
161	1/6/2026	20:54:19	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Entry 136	0.0
169	1/6/2026	21:02:18	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Gym Storage 140	0.0
170	1/6/2026	21:02:34	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Gym Storage 140	0.0
172	1/6/2026	21:06:49	Room	Wall	Gypsum	B	Intact	White	ET5402	Nurse 151	0.0
173	1/6/2026	21:07:15	Room	Wall	Gypsum	C	Intact	Green	ET5402	Nurse 151	0.0
176	1/6/2026	21:09:55	Room	Wall	Gypsum	A	Intact	Blue	ET5402	Office 151A	0.0
180	1/6/2026	21:11:14	Room	Ceiling	Gypsum	Center	Intact	Beige	ET5402	Office 151A	0.0
181	1/6/2026	21:13:27	Room	Wall	Gypsum	A	Intact	Purple	ET5402	Clinic 151B	0.0
182	1/6/2026	21:13:55	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Clinic 151B	0.0
183	1/6/2026	21:14:28	Room	Wall	Gypsum	C	Intact	Light Blue	ET5402	Clinic 151B	0.0
184	1/6/2026	21:14:47	Room	Wall	Gypsum	D	Intact	Light Blue	ET5402	Clinic 151B	0.0
185	1/6/2026	21:16:54	Room	Wall	Gypsum	A	Intact	Light Blue	ET5402	Dental 151C	0.0
186	1/6/2026	21:17:14	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Dental 151C	0.0
187	1/6/2026	21:17:35	Room	Wall	Gypsum	C	Intact	Light Blue	ET5402	Dental 151C	0.0
188	1/6/2026	21:17:54	Room	Wall	Gypsum	D	Intact	Light Blue	ET5402	Dental 151C	0.0
189	1/6/2026	21:19:42	Room	Wall	Gypsum	A	Intact	Off-White	ET5402	Lab 151D	0.0
190	1/6/2026	21:19:57	Room	Wall	Gypsum	B	Intact	Off-White	ET5402	Lab 151D	0.0
191	1/6/2026	21:20:14	Room	Wall	Gypsum	C	Intact	Off-White	ET5402	Lab 151D	0.0
192	1/6/2026	21:20:32	Room	Wall	Gypsum	D	Intact	Off-White	ET5402	Lab 151D	0.0
196	1/6/2026	21:23:23	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Exam 152	0.0
199	1/6/2026	21:26:57	Room	Wall	Gypsum	A	Intact	Off-White	ET5402	Storage 152A	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
200	1/6/2026	21:27:13	Room	Wall	Gypsum	B	Intact	Off-White	ET5402	Storage 152A	0.0
203	1/6/2026	21:30:22	Room	Wall	Gypsum	A	Intact	Off-White	ET5402	Toilet 145	0.0
204	1/6/2026	21:30:47	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Toilet 145	0.0
205	1/6/2026	21:31:12	Room	Wall	Gypsum	C	Intact	Off-White	ET5402	Toilet 145	0.0
206	1/6/2026	21:31:28	Room	Wall	Gypsum	D	Intact	Off-White	ET5402	Toilet 145	0.0
208	1/6/2026	21:32:33	Door	Jamb	Metal	D	Intact	White	ET5402	Toilet 145	0.0
209	1/6/2026	21:32:52	Door	Frame	Metal	D	Intact	White	ET5402	Toilet 145	0.0
211	1/6/2026	21:36:34	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Lobby 149	0.0
212	1/6/2026	21:36:55	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Lobby 149	0.0
213	1/6/2026	21:38:10	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Corridor 142	0.0
217	1/6/2026	21:46:00	Room	Wall	Block	A	Intact	White	ET5402	Gymnasium 130	0.0
218	1/6/2026	21:46:33	Room	Wall	Block	B	Intact	White	ET5402	Gymnasium 130	0.0
219	1/6/2026	21:46:59	Room	Wall	Block	C	Intact	White	ET5402	Gymnasium 130	0.0
220	1/6/2026	21:47:34	Room	Wall	Block	D	Intact	White	ET5402	Gymnasium 130	0.0
229	1/7/2026	17:42:58	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Boys Bath 143	0.0
230	1/7/2026	17:43:16	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Boys Bath 143	0.0
231	1/7/2026	17:43:32	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Boys Bath 143	0.0
233	1/7/2026	17:44:17	Room	Floor	Ceramic	Center	Intact	Beige	ET5402	Boys Bath 143	0.0
240	1/7/2026	17:48:09	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Laundry 144	0.0
241	1/7/2026	17:48:27	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Laundry 144	0.0
244	1/7/2026	17:49:26	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Laundry 144	0.0
245	1/7/2026	17:49:49	Room	Floor	Ceramic	Center	Intact	Beige	ET5402	Laundry 144	0.0
246	1/7/2026	17:52:02	Room	Wall	Ceramic	A	Intact	Pink	ET5402	Girls Bath 146	0.0
247	1/7/2026	17:52:18	Room	Wall	Ceramic	B	Intact	Pink	ET5402	Girls Bath 146	0.0
248	1/7/2026	17:52:37	Room	Wall	Ceramic	C	Intact	Pink	ET5402	Girls Bath 146	0.0
249	1/7/2026	17:52:58	Room	Wall	Ceramic	D	Intact	Pink	ET5402	Girls Bath 146	0.0
250	1/7/2026	17:53:17	Room	Floor	Ceramic	Center	Intact	Pink	ET5402	Girls Bath 146	0.0
253	1/7/2026	17:56:36	Door	Frame	Metal	A	Intact	Off-White	ET5402	Toilet 146B	0.0
254	1/7/2026	17:56:57	Door	Jamb	Metal	A	Intact	Off-White	ET5402	Toilet 146B	0.0
255	1/7/2026	17:57:29	Room	Wall	Ceramic	A	Intact	White	ET5402	Toilet 146B	0.0
257	1/7/2026	17:58:02	Room	Wall	Ceramic	C	Intact	White	ET5402	Toilet 146B	0.0
258	1/7/2026	17:58:18	Room	Wall	Ceramic	D	Intact	White	ET5402	Toilet 146B	0.0
261	1/7/2026	18:10:13	Room	Wall	Ceramic	A	Intact	White	ET5402	Passage 146A	0.0
262	1/7/2026	18:10:30	Room	Wall	Ceramic	B	Intact	White	ET5402	Passage 146A	0.0
263	1/7/2026	18:10:44	Room	Wall	Ceramic	C	Intact	White	ET5402	Passage 146A	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
267	1/7/2026	18:21:59	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Stair 313	0.0
268	1/7/2026	18:22:26	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Stair 313	0.0
270	1/7/2026	18:23:14	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Stair 313	0.0
271	1/7/2026	18:23:35	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Stair 313	0.0
272	1/7/2026	18:23:56	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Stair 313	0.0
273	1/7/2026	18:24:16	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Stair 313	0.0
274	1/7/2026	18:24:50	Window	Frame	Metal	D	Intact	Brown	ET5402	Stair 313	0.0
276	1/7/2026	18:25:39	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Stair 313	0.0
277	1/7/2026	18:25:56	Door	Frame	Metal	B	Intact	Off-White	ET5402	Stair 313	0.0
279	1/7/2026	18:28:53	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Corridor 312	0.0
280	1/7/2026	18:29:17	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Corridor 312	0.0
281	1/7/2026	18:29:42	Room	Wall	Ceramic	B	Intact	Green	ET5402	Corridor 312	0.0
282	1/7/2026	18:30:33	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Corridor 312	0.0
283	1/7/2026	18:30:54	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Corridor 312	0.0
284	1/7/2026	18:31:16	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Corridor 312	0.0
285	1/7/2026	18:31:36	Room	Wall	Ceramic	D	Intact	Green	ET5402	Corridor 312	0.0
289	1/7/2026	18:35:22	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 305B	0.0
290	1/7/2026	18:35:49	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 305B	0.0
299	1/7/2026	18:40:57	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 304	0.0
304	1/7/2026	18:43:55	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 303	0.0
305	1/7/2026	18:44:18	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 303	0.0
307	1/7/2026	18:45:06	Window	Frame	Metal	D	Intact	Brown	ET5402	Classroom 303	0.0
310	1/7/2026	18:47:30	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 302	0.0
311	1/7/2026	18:47:51	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 302	0.0
314	1/7/2026	18:50:21	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 301	0.0
315	1/7/2026	18:50:44	Room	Wall	Plaster	B	Intact	White	ET5402	Classroom 301	0.0
317	1/7/2026	18:51:45	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 301	0.0
318	1/7/2026	18:52:35	Window	Sill	Metal	D	Intact	Brown	ET5402	Classroom 301	0.0
320	1/7/2026	18:54:36	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Stair 319	0.0
321	1/7/2026	18:54:59	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Stair 319	0.0
322	1/7/2026	18:55:19	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Stair 319	0.0
323	1/7/2026	18:55:35	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Stair 319	0.0
324	1/7/2026	18:55:54	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Stair 319	0.0
325	1/7/2026	18:56:16	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Stair 319	0.0
326	1/7/2026	18:56:35	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Stair 319	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
327	1/7/2026	18:57:06	Stair	Risers	Metal	Center	Intact	Brown	ET5402	Stair 319	0.0
328	1/7/2026	18:57:24	Stair	Treads	Metal	Center	Intact	Brown	ET5402	Stair 319	0.0
329	1/7/2026	18:59:32	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 310	0.0
330	1/7/2026	18:59:55	Room	Wall	Plaster	B	Intact	White	ET5402	Classroom 310	0.0
335	1/7/2026	19:02:38	Window	Frame	Metal	B	Intact	Brown	ET5402	Classroom 309	0.0
337	1/7/2026	19:05:48	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 308	0.0
338	1/7/2026	19:06:23	Room	Wall	Plaster	B	Intact	White	ET5402	Classroom 308	0.0
343	1/7/2026	19:09:46	Room	Wall	Ceramic	A	Intact	Green	ET5402	Girls Bath G311T	0.0
344	1/7/2026	19:10:04	Room	Wall	Ceramic	B	Intact	Green	ET5402	Girls Bath G311T	0.0
345	1/7/2026	19:10:23	Room	Wall	Ceramic	C	Intact	Green	ET5402	Girls Bath G311T	0.0
346	1/7/2026	19:10:39	Room	Wall	Ceramic	D	Intact	Green	ET5402	Girls Bath G311T	0.0
349	1/7/2026	19:13:23	Room	Wall	Ceramic	A	Intact	Green	ET5402	Boys Bath B311T	0.0
350	1/7/2026	19:13:43	Room	Wall	Ceramic	B	Intact	Green	ET5402	Boys Bath B311T	0.0
354	1/7/2026	19:16:27	Room	Wall	Gypsum	B	Intact	Blue	ET5402	Office 307B	0.0
355	1/7/2026	19:16:51	Room	Wall	Gypsum	C	Intact	White	ET5402	Office 307B	0.0
356	1/7/2026	19:17:08	Room	Wall	Gypsum	D	Intact	White	ET5402	Office 307B	0.0
358	1/7/2026	19:17:59	Window	Frame	Metal	B	Intact	Brown	ET5402	Office 307B	0.0
361	1/7/2026	19:21:07	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 307	0.0
363	1/7/2026	19:21:58	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 307	0.0
366	1/7/2026	19:24:28	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 306	0.0
369	1/7/2026	19:30:50	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Waiting 157	0.0
370	1/7/2026	19:31:08	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Waiting 157	0.0
371	1/7/2026	19:31:25	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Waiting 157	0.0
374	1/7/2026	19:33:20	Door	Frame	Metal	C	Intact	Off-White	ET5402	Security 158	0.0
375	1/7/2026	19:33:38	Door	Jamb	Metal	C	Intact	Off-White	ET5402	Security 158	0.0
378	1/7/2026	19:34:55	Room	Wall	Plaster	A	Intact	White	ET5402	Security 158	0.0
380	1/7/2026	19:35:37	Room	Wall	Plaster	C	Intact	White	ET5402	Security 158	0.0
381	1/7/2026	19:35:53	Room	Wall	Plaster	D	Intact	White	ET5402	Security 158	0.0
383	1/7/2026	19:38:01	Room	Wall	Plaster	B	Intact	White	ET5402	Main Office 159	0.0
385	1/7/2026	19:38:43	Room	Wall	Plaster	D	Intact	Green	ET5402	Main Office 159	0.0
387	1/7/2026	19:39:43	Window	Frame	Metal	A	Intact	Brown	ET5402	Main Office 159	0.0
392	1/7/2026	19:43:38	Room	Wall	Plaster	C	Intact	Light Gray	ET5402	Principal 161	0.0
393	1/7/2026	19:43:55	Room	Wall	Plaster	D	Intact	Light Gray	ET5402	Principal 161	0.0
394	1/7/2026	19:46:47	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Library 155	0.0
395	1/7/2026	19:47:05	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Library 155	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
396	1/7/2026	19:47:29	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Library 155	0.0
397	1/7/2026	19:47:54	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Library 155	0.0
398	1/7/2026	19:52:22	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Corridor 154	0.0
399	1/7/2026	19:52:42	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Corridor 154	0.0
400	1/7/2026	19:52:57	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Corridor 154	0.0
401	1/7/2026	19:53:17	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Corridor 154	0.0
402	1/7/2026	19:53:53	Window	Casing	Metal	C	Intact	Brown	ET5402	Corridor 154	0.0
404	1/7/2026	19:57:51	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Stair 211	0.0
405	1/7/2026	19:58:13	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Stair 211	0.0
407	1/7/2026	19:59:24	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Stair 211	0.0
408	1/7/2026	19:59:48	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Stair 211	0.0
409	1/7/2026	20:00:43	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Stair 211	0.0
410	1/7/2026	20:01:02	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Stair 211	0.0
412	1/7/2026	20:01:59	Window	Frame	Metal	D	Intact	Brown	ET5402	Stair 211	0.0
413	1/7/2026	20:02:30	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Stair 211	0.0
414	1/7/2026	20:02:46	Door	Frame	Metal	B	Intact	Off-White	ET5402	Stair 211	0.0
415	1/7/2026	20:16:12	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Classroom 205A	0.0
416	1/7/2026	20:16:32	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 205A	0.0
417	1/7/2026	20:17:01	Room	Wall	Plaster	D	Intact	White	ET5402	Classroom 205A	0.0
425	1/7/2026	20:22:19	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Classroom 204	0.0
427	1/7/2026	20:22:58	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 204	0.0
428	1/7/2026	20:23:25	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Classroom 204	0.0
431	1/7/2026	20:25:38	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 203	0.0
432	1/7/2026	20:26:03	Room	Wall	Plaster	D	Intact	Light Blue	ET5402	Classroom 203	0.0
433	1/7/2026	20:26:51	Window	Casing	Metal	D	Intact	Brown	ET5402	Classroom 203	0.0
434	1/7/2026	20:27:24	Window	Frame	Metal	D	Intact	Brown	ET5402	Classroom 203	0.0
435	1/7/2026	20:29:03	Room	Wall	Plaster	A	Intact	Light Blue	ET5402	Classroom 202	0.0
437	1/7/2026	20:29:48	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 202	0.0
438	1/7/2026	20:30:19	Room	Wall	Plaster	D	Intact	Light Blue	ET5402	Classroom 202	0.0
439	1/7/2026	20:30:46	Door	Jamb	Metal	A	Intact	Off-White	ET5402	Classroom 202	0.0
440	1/7/2026	20:31:05	Door	Frame	Metal	A	Intact	Off-White	ET5402	Classroom 202	0.0
441	1/7/2026	20:33:07	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Classroom 201	0.0
442	1/7/2026	20:33:29	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Classroom 201	0.0
443	1/7/2026	20:33:51	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 201	0.0
444	1/7/2026	20:34:11	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Classroom 201	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
447	1/7/2026	20:37:34	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Stair 210	0.0
448	1/7/2026	20:37:54	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Stair 210	0.0
450	1/7/2026	20:38:35	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Stair 210	0.0
451	1/7/2026	20:38:55	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Stair 210	0.0
452	1/7/2026	20:39:16	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Stair 210	0.0
453	1/7/2026	20:39:36	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Stair 210	0.0
454	1/7/2026	20:40:07	Stair	Risers	Metal	Center	Intact	Brown	ET5402	Stair 210	0.0
455	1/7/2026	20:40:23	Stair	Treads	Metal	Center	Intact	Brown	ET5402	Stair 210	0.0
456	1/7/2026	20:42:15	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Classroom 213	0.0
457	1/7/2026	20:42:40	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Classroom 213	0.0
458	1/7/2026	20:43:02	Room	Wall	Plaster	D	Intact	Light Blue	ET5402	Classroom 213	0.0
464	1/7/2026	20:47:23	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 208	0.0
465	1/7/2026	20:47:52	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Classroom 208	0.0
468	1/7/2026	20:49:20	Window	Sill	Metal	B	Intact	Brown	ET5402	Classroom 208	0.0
469	1/7/2026	20:49:37	Window	Frame	Metal	B	Intact	Brown	ET5402	Classroom 208	0.0
470	1/7/2026	20:51:27	Room	Wall	Ceramic	A	Intact	Green	ET5402	Girls Bath 214A	0.0
473	1/7/2026	20:52:24	Room	Wall	Ceramic	D	Intact	Green	ET5402	Girls Bath 214	0.0
476	1/7/2026	20:55:30	Room	Wall	Gypsum	A	Intact	White	ET5402	Guidance 215	0.0
477	1/7/2026	20:56:02	Room	Wall	Gypsum	B	Intact	White	ET5402	Guidance 215	0.0
483	1/7/2026	21:02:45	Room	Wall	Gypsum	B	Intact	White	ET5402	Office 214A	0.0
484	1/7/2026	21:03:03	Room	Wall	Gypsum	C	Intact	White	ET5402	Office 214A	0.0
485	1/7/2026	21:03:18	Room	Wall	Gypsum	D	Intact	White	ET5402	Office 214A	0.0
486	1/7/2026	21:03:40	Door	Jamb	Metal	D	Intact	Off-White	ET5402	Office 214A	0.0
487	1/7/2026	21:04:00	Door	Frame	Metal	D	Intact	Off-White	ET5402	Office 214A	0.0
490	1/7/2026	21:06:52	Room	Wall	Gypsum	A	Intact	White	ET5402	Office 214B	0.0
491	1/7/2026	21:07:09	Room	Wall	Gypsum	B	Intact	White	ET5402	Office 214B	0.0
493	1/7/2026	21:07:42	Room	Wall	Gypsum	D	Intact	White	ET5402	Office 214B	0.0
494	1/7/2026	21:09:15	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 216	0.0
495	1/7/2026	21:09:40	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Classroom 216	0.0
496	1/7/2026	21:10:00	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Classroom 216	0.0
497	1/7/2026	21:10:30	Window	Casing	Metal	B	Intact	Brown	ET5402	Classroom 216	0.0
501	1/7/2026	21:13:13	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 216A	0.0
502	1/7/2026	21:14:42	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Corridor C200	0.0
503	1/7/2026	21:15:04	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Corridor C200	0.0
504	1/7/2026	21:15:22	Room	Wall	Ceramic	B	Intact	Green	ET5402	Corridor C200	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
506	1/7/2026	21:16:41	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Corridor C200	0.0
507	1/7/2026	21:17:01	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Corridor C200	0.0
508	1/7/2026	21:17:20	Room	Wall	Ceramic	D	Intact	Green	ET5402	Corridor C200	0.0
509	1/7/2026	21:17:42	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Corridor C200	0.0
510	1/7/2026	21:18:12	Window	Casing	Metal	C	Intact	Brown	ET5402	Corridor C200	0.0
512	1/7/2026	21:22:59	Room	Wall	Plaster	A	Intact	Yellow	ET5402	Corridor 156	0.0
513	1/7/2026	21:23:19	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Corridor 156	0.0
514	1/7/2026	21:23:39	Room	Wall	Ceramic	C	Intact	Green	ET5402	Corridor 156	0.0
515	1/7/2026	21:24:05	Room	Wall	Plaster	C	Intact	Yellow	ET5402	Corridor 156	0.0
517	1/7/2026	21:25:37	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Corridor 179	0.0
522	1/7/2026	21:28:07	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Corridor 179	0.0
523	1/7/2026	21:28:29	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Corridor 179	0.0
524	1/7/2026	21:28:56	Window	Casing	Metal	C	Intact	Brown	ET5402	Corridor 179	0.0
526	1/7/2026	21:29:39	Room	Wall	Ceramic	D	Intact	Green	ET5402	Corridor 179	0.0
527	1/7/2026	21:30:03	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Corridor 179	0.0
528	1/7/2026	21:32:39	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Stair 180	0.0
529	1/7/2026	21:32:59	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Stair 180	0.0
531	1/7/2026	21:33:39	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Stair 180	0.0
532	1/7/2026	21:34:01	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Stair 180	0.0
533	1/7/2026	21:34:22	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Stair 180	0.0
534	1/7/2026	21:34:41	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Stair 180	0.0
535	1/7/2026	21:35:06	Door	Jamb	Metal	B	Intact	Off-White	ET5402	Stair 180	0.0
536	1/7/2026	21:35:24	Door	Frame	Metal	B	Intact	Off-White	ET5402	Stair 180	0.0
537	1/7/2026	21:37:24	Room	Wall	Plaster	A	Intact	Off-White	ET5402	Stair 186	0.0
538	1/7/2026	21:37:46	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Stair 186	0.0
540	1/7/2026	21:38:26	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Stair 186	0.0
541	1/7/2026	21:38:50	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Stair 186	0.0
542	1/7/2026	21:39:10	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Stair 186	0.0
543	1/7/2026	21:39:29	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Stair 186	0.0
544	1/7/2026	21:40:03	Window	Sill	Metal	D	Intact	Brown	ET5402	Stair 186	0.0
545	1/7/2026	21:40:22	Window	Frame	Metal	D	Intact	Brown	ET5402	Stair 186	0.0
546	1/7/2026	21:40:49	Stair	Risers	Metal	Center	Intact	Brown	ET5402	Stair 186	0.0
547	1/7/2026	21:41:06	Stair	Treads	Metal	Center	Intact	Brown	ET5402	Stair 186	0.0
548	1/7/2026	21:43:40	Room	Wall	Plaster	A	Intact	Light Blue	ET5402	Classroom 178	0.0
549	1/7/2026	21:44:01	Room	Wall	Plaster	B	Intact	Light Blue	ET5402	Classroom 178	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
551	1/7/2026	21:44:41	Room	Wall	Plaster	D	Intact	Light Blue	ET5402	Classroom 178	0.0
554	1/7/2026	21:47:09	Door	Frame	Metal	A	Intact	Brown	ET5402	Toilet 176	0.0
555	1/7/2026	21:47:27	Door	Jamb	Metal	A	Intact	Brown	ET5402	Toilet 176	0.0
556	1/7/2026	21:47:50	Room	Wall	Ceramic	A	Intact	Green	ET5402	Toilet 176	0.0
557	1/7/2026	21:48:09	Room	Wall	Ceramic	B	Intact	Green	ET5402	Toilet 176	0.0
558	1/7/2026	21:48:33	Room	Wall	Gypsum	C	Intact	Gray	ET5402	Toilet 176	0.0
559	1/7/2026	21:48:51	Room	Wall	Gypsum	D	Intact	Gray	ET5402	Toilet 176	0.0
560	1/7/2026	21:51:00	Room	Wall	Ceramic	A	Intact	Green	ET5402	Toilet 175A	0.0
566	1/7/2026	21:54:48	Room	Wall	Plaster	A	Intact	Purple	ET5402	Restorative Room 174	0.0
567	1/7/2026	21:55:05	Room	Wall	Plaster	B	Intact	Purple	ET5402	Restorative Room 174	0.0
569	1/7/2026	21:55:39	Room	Wall	Plaster	D	Intact	Purple	ET5402	Restorative Room 174	0.0
572	1/7/2026	21:58:22	Room	Wall	Plaster	A	Intact	Beige	ET5402	Copy Room 173	0.0
573	1/7/2026	21:59:07	Room	Wall	Plaster	B	Intact	Beige	ET5402	Copy Room 173	0.0
574	1/7/2026	21:59:23	Room	Wall	Plaster	C	Intact	Beige	ET5402	Copy Room 173	0.0
575	1/7/2026	21:59:40	Room	Wall	Plaster	D	Intact	Beige	ET5402	Copy Room 173	0.0
578	1/7/2026	22:02:02	Room	Wall	Plaster	A	Intact	Beige	ET5402	Faculty 170	0.0
579	1/7/2026	22:02:20	Room	Wall	Plaster	B	Intact	Beige	ET5402	Faculty 170	0.0
581	1/7/2026	22:03:02	Room	Wall	Plaster	D	Intact	Beige	ET5402	Faculty 170	0.0
582	1/7/2026	22:04:16	Room	Wall	Ceramic	A	Intact	Green	ET5402	Toilet 171	0.0
583	1/7/2026	22:04:31	Room	Wall	Ceramic	B	Intact	Green	ET5402	Toilet 171	0.0
584	1/7/2026	22:04:47	Room	Wall	Ceramic	C	Intact	Green	ET5402	Toilet 171	0.0
588	1/7/2026	22:06:52	Room	Wall	Ceramic	A	Intact	Green	ET5402	Toilet 172	0.0
589	1/7/2026	22:07:08	Room	Wall	Ceramic	B	Intact	Green	ET5402	Toilet 172	0.0
590	1/7/2026	22:07:24	Room	Wall	Ceramic	C	Intact	Green	ET5402	Toilet 172	0.0
591	1/7/2026	22:07:39	Room	Wall	Ceramic	D	Intact	Green	ET5402	Toilet 172	0.0
596	1/7/2026	22:13:45	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 165	0.0
597	1/7/2026	22:14:26	Room	Wall	Plaster	B	Intact	Light Green	ET5402	Classroom 165	0.0
601	1/7/2026	22:15:58	Door	Frame	Metal	B	Intact	Brown	ET5402	Classroom 165	0.0
603	1/7/2026	22:18:25	Room	Wall	Plaster	B	Intact	Light Green	ET5402	Classroom 164	0.0
604	1/7/2026	22:18:51	Room	Wall	Plaster	C	Intact	White	ET5402	Classroom 164	0.0
605	1/7/2026	22:19:16	Room	Wall	Plaster	D	Intact	Light Green	ET5402	Classroom 164	0.0
607	1/7/2026	22:20:04	Window	Frame	Metal	B	Intact	Brown	ET5402	Classroom 164	0.0
609	1/7/2026	22:22:25	Room	Wall	Plaster	B	Intact	Off-White	ET5402	Classroom 181	0.0
610	1/7/2026	22:22:49	Room	Wall	Plaster	C	Intact	Off-White	ET5402	Classroom 181	0.0
611	1/7/2026	22:23:15	Room	Wall	Plaster	D	Intact	Off-White	ET5402	Classroom 181	0.0

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
614	1/7/2026	22:25:30	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Toilet 181T	0.0
615	1/7/2026	22:25:46	Room	Wall	Ceramic	B	Intact	Beige	ET5402	Toilet 181T	0.0
616	1/7/2026	22:26:01	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Toilet 181T	0.0
617	1/7/2026	22:26:17	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Toilet 181T	0.0
619	1/7/2026	22:28:45	Room	Wall	Plaster	B	Intact	Light Green	ET5402	Classroom 182	0.0
623	1/7/2026	22:30:15	Door	Frame	Metal	D	Intact	Brown	ET5402	Classroom 182	0.0
625	1/7/2026	22:32:50	Room	Wall	Plaster	B	Intact	Light Blue	ET5402	Classroom 183	0.0
626	1/7/2026	22:33:14	Room	Wall	Plaster	C	Intact	Light Blue	ET5402	Classroom 183	0.0
627	1/7/2026	22:33:32	Room	Wall	Plaster	D	Intact	Light Blue	ET5402	Classroom 183	0.0
630	1/7/2026	22:35:55	Room	Wall	Ceramic	A	Intact	Beige	ET5402	Toilet 183T	0.0
632	1/7/2026	22:36:27	Room	Wall	Ceramic	C	Intact	Beige	ET5402	Toilet 183T	0.0
633	1/7/2026	22:36:43	Room	Wall	Ceramic	D	Intact	Beige	ET5402	Toilet 183T	0.0
634	1/7/2026	22:38:52	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 184	0.0
640	1/7/2026	22:42:45	Room	Wall	Plaster	A	Intact	White	ET5402	Classroom 185	0.0
641	1/7/2026	22:43:24	Room	Wall	Plaster	B	Intact	Beige	ET5402	Classroom 185	0.0
653	2/17/2026	16:43:08	Room	Wall	Plaster	A	Intact	Light Gray	ET5402	Crawlspace Entrance	0.0
655	2/17/2026	16:44:05	Room	Wall	Block	B	Intact	Dark Gray	ET5402	Crawlspace Entrance	0.0
656	2/17/2026	16:44:38	Room	Wall	Block	B	Intact	Light Gray	ET5402	Crawlspace Entrance	0.0
657	2/17/2026	16:45:03	Room	Wall	Plaster	C	Intact	Light Gray	ET5402	Crawlspace Entrance	0.0
658	2/17/2026	16:45:31	Room	Wall	Plaster	C	Intact	Dark Gray	ET5402	Crawlspace Entrance	0.0

Table E-IV
Summary of XRF Calibration Results

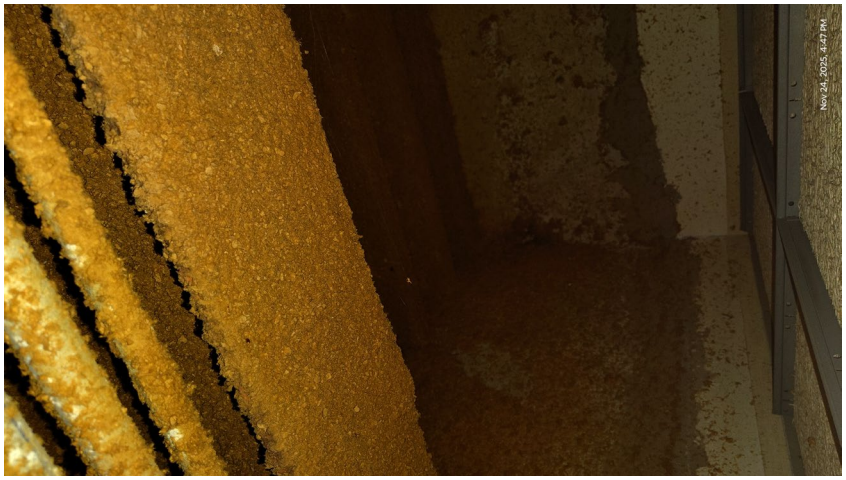
Reading Nos.	Date	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
1	1/6/2026	17:37:35			Wood	Calibration			ET5402		0.9
2	1/6/2026	17:37:57			Wood	Calibration			ET5402		1.0
3	1/6/2026	17:38:19			Wood	Calibration			ET5402		1.0
223	1/6/2026	21:52:14			Wood	Calibration			ET5402		1.0
224	1/6/2026	21:52:35			Wood	Calibration			ET5402		0.9
225	1/6/2026	21:52:56			Wood	Calibration			ET5402		1.1
226	1/7/2026	17:38:47			Wood	Calibration			ET5402		1.0
227	1/7/2026	17:39:08			Wood	Calibration			ET5402		0.9
228	1/7/2026	17:39:29			Wood	Calibration			ET5402		0.9
646	1/7/2026	22:47:12			Wood	Calibration			ET5402		1.0
647	1/7/2026	22:47:33			Wood	Calibration			ET5402		1.0
648	1/7/2026	22:47:55			Wood	Calibration			ET5402		1.0
649	2/17/2026	16:04:23			Wood	Calibration			ET5402		1.0
650	2/17/2026	16:04:46			Wood	Calibration			ET5402		1.0
651	2/17/2026	16:05:09			Wood	Calibration			ET5402		0.9
661	2/17/2026	16:53:24			Wood	Calibration			ET5402		1.0
662	2/17/2026	16:53:49			Wood	Calibration			ET5402		0.9
663	2/17/2026	16:54:12			Wood	Calibration			ET5402		0.8

APPENDIX F

PHOTOGRAPHS



Photograph 1: **View of Off-White 2-by-2 Foot Textured Ceiling Tile With Loose Brown Spray-Applied Fire Proofing On Top.**



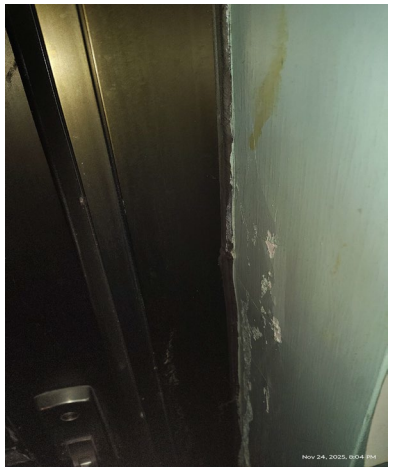
Photograph 2: **View of Brown Spray-Applied Fire Proofing.**



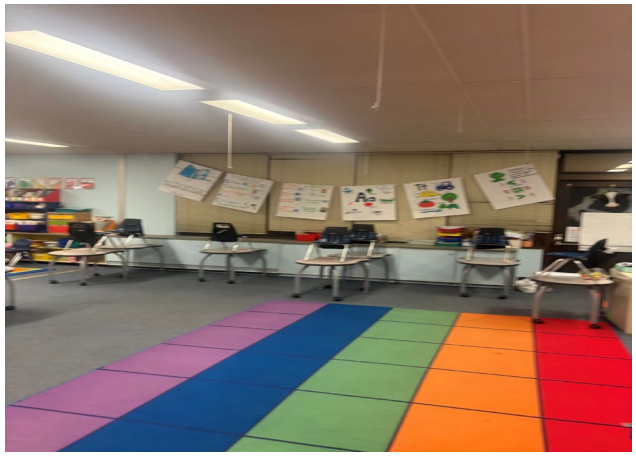
Photograph 3: **View of Off-White 2-Inch Diameter Pipe TSI Jacket With Brown-Spray Applied Fire Proofing Covering The Pipe.**



Photograph 4: **View of Gray 2-Inch Diameter Pipe TSI Jacket With Brown Spray-Applied Fire Proofing Covering The Pipe.**



Photograph 5: **View of Black Door Frame Caulk.**



Photograph 6: **View of Off-White Rough 5-by-4 Foot Ceiling Tile With Loose Brown Spray-Applied Fire Proofing On Top.**



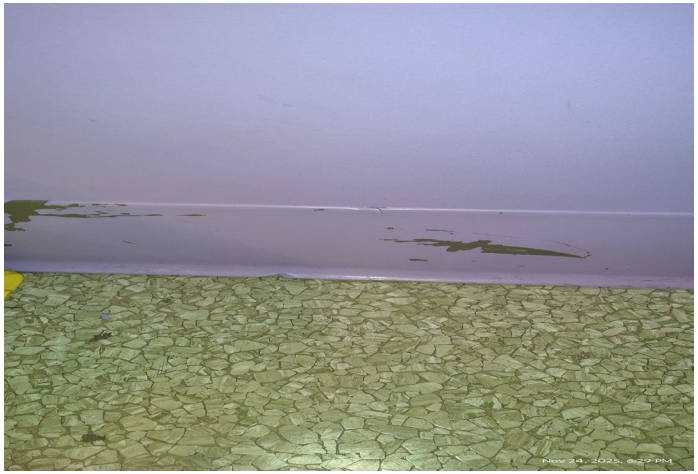
Photograph 7: **View of Gray 2-Inch Diameter Mudded TSI Pipe Fitting Covered With Brown Spray-Applied Fire Proofing.**



Photograph 8: **View of Dark Gray Adhesive Associated With Light Gray Cementitious Soffit Panels.**



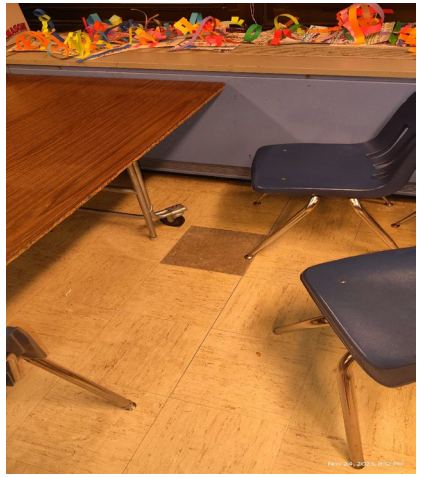
Photograph 9: **View of Door With White Door Lite Butyl.**



Photograph 10: **View of Beige Pattern Linoleum Flooring Material.**



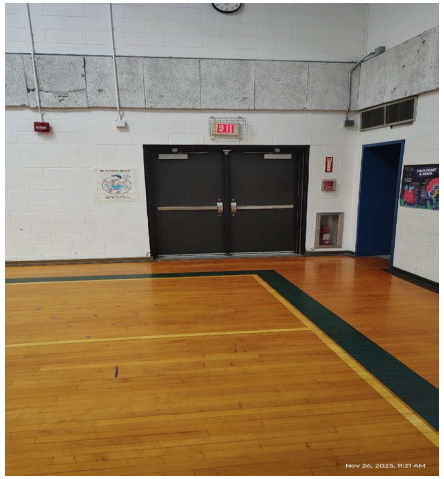
Photograph 11: **View of Green Spray-Applied Covering Over Brown Spray-Applied Fire Proofing.**



Photograph 12: **View of Beige 12-by-12 Inch Streaked With Gray/Brown Floor Tile.**



Photograph 13: **View of Off-White Door Lite Butyl.**



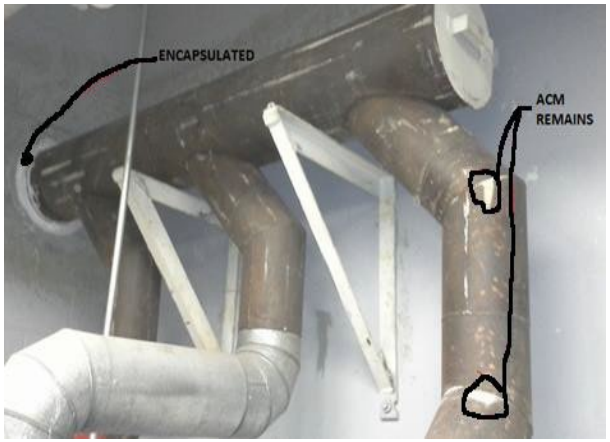
Photograph 14: **View of White Textured Acoustical Panel Wallboards and Associated Brown Adhesive.**



Photograph 15: **View of Boilers and Assumed Boiler Components.**



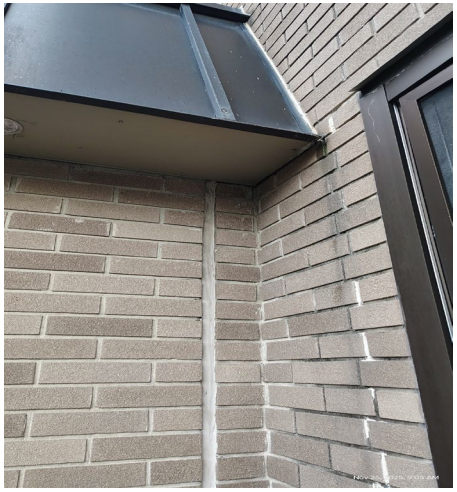
Photograph 16: **View of Off-White 12-Inch Diameter Pipe TSI Jacket With Associated White Pipe TSI and Gray End Sealant.**



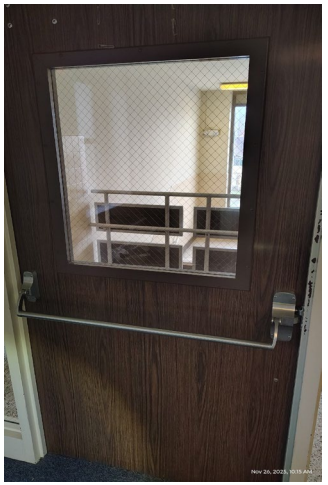
Photograph 17: **View of White Boiler Breeching TSI and White Boiler Breeching Cement.**



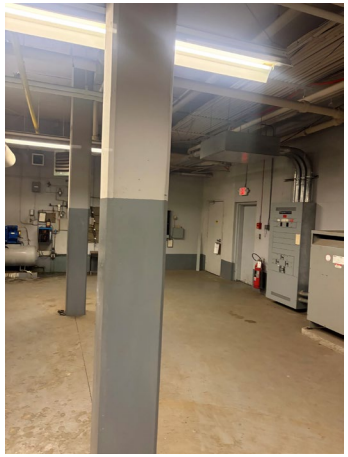
Photograph 18: **View of Black Tar Above Exterior Door For Corridor 154.**



Photograph 19: **View of Light Gray Cementitious Soffit Panel.**



Photograph 20: **View of Door Style White Door Insulation.**



Photograph 21: **View of Basement Crawlspace Door With Assumed TSI.**



Photograph 22: **View of Black Roof Flashing Tar Associated With Skylights.**



Photograph 23: **View of Roofing System No. 10.**



Photograph 24: **View of Roofing System No. 2.**



Photograph 25: **View of Roofing System Nos. 4,5,7, and 9.**



Photograph 26: **View of Roofing System Nos. 5 and 6.**



Photograph 27: **View of Window System Due For Replacement.**



Photograph 28: **View of Window System Due For Replacement.**

APPENDIX G

PREVIOUS ASBESTOS/HAZARDOUS MATERIALS SURVEY REPORTS

2010 AHERA TRIENNIAL REINSPECTION REPORT

THEODORE ROOSEVELT ELEMENTARY SCHOOL

Prepared for:

BINGHAMTON CITY SCHOOL DISTRICT
10 ROBINSON STREET
CITY OF BINGHAMTON
BROOME COUNTY, NEW YORK

JANUARY 2011

1031.01

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HAWK
ENGINEERING, PC

HE Project #: 1031.01

PROJECT DATA SHEET

Project Name: 2010 AHERA Triennial Reinspection

Project Description: Provide a 2010 Asbestos Hazard Emergency Response Act (AHERA) Triennial Reinspection, in accordance with 40 CFR 763.85(b), for the Binghamton City School District of all friable and non-friable known or assumed Asbestos Containing Materials (ACM) within this building.

Report Purpose: At least once every three (3) years after a management plan is in effect, each local education agency shall conduct a reinspection in each school building that they lease, own, or otherwise use as a school building.

Project Location:	Roosevelt Elementary, Binghamton City School District City of Binghamton, Broome County, New York State
Report Prepared For:	Binghamton City School District 10 Robinson Street Binghamton, New York 13901 Attn: Thomas Keenan Ph: 607/762-8349
Owner:	Binghamton City School District 164 Hawley Street Binghamton, New York 13901 Ph: 607/762-8100
Report Prepared By:	Hawk Engineering, pc PO Box 427 Binghamton, New York 13902 Ph: 607/584-0140

Prepared By: Timothy W. Marble
Environmental Project Manager

Reviewed By: Charles T. Gaynor II, PE
President

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SHEET HA 001 BOILER ROOM/CRAWLSPACE LEVEL DRAWING
SHEET HA 002 LEVEL ONE DRAWING
SHEET HA 003 LEVEL TWO/THREE DRAWING

APPENDICES

APPENDIX A LABORATORY DOCUMENTATION
APPENDIX B BULK SAMPLE INFORMATION FROM JENNINGS ENVIRONMENTAL MANAGEMENT, INC.
APPENDIX C LICENSE AND ACCREDITATIONS

EXECUTIVE SUMMARY

The 2010 AHERA Triennial Reinspection of the Binghamton City School District, Theodore Roosevelt Elementary School should be kept with the asbestos files as required by AHERA. This report is a complete review of this building. It contains previously collected samples, five samples acquired during this review and a complete room-by-room listing that can be found in Part II of this report.

The review was conducted in compliance for requirements under AHERA 40 CFR, Part 763.85(b). The Triennial Reinspection report will also provide a basis from which the Owner can make informed decisions regarding future projects involving asbestos. The site visit by Timothy W. Marble of Hawk Engineering, p.c. was performed on September 22, 2010.

All bulk samples previously collected were sent to a laboratory certified by the Environmental Laboratory Accreditation Program (ELAP) for analysis by Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM) as required. See Appendix A for laboratory documentation.

Please note that in Part II, Section 2.3 – Measuring and Locating Tables, the number in parenthesis after the Room Code is the number on the room door (if there was one).

Thermal Asbestos Containing Material

Quantities of asbestos containing (ACM) thermal insulation have been removed during previous renovation projects. Fitting insulation is visible in the crawl spaces, boiler room, and kitchen/loading dock spaces in chases and above ceilings. Inline pipe insulation is fiberglass except on Roof leaders. Existing mudpack roof drain insulation and roof leader insulation was sampled and tested trace for asbestos. The roof drains and leader insulation are assumed positive.

Boiler room pipe insulation debris located hot water flue pipe and at chimney was sampled and tested positive for asbestos.

Crawl space mud pipe fitting insulation laying on the floor (B004) and pipe riser chases (B006) were sampled and tested positive for asbestos.

Remaining asbestos containing thermal insulation has been identified in Part II, Section 2.3 – Measuring and Locating Tables. Quantities of asbestos containing thermal insulation have been estimated behind walls and above ceilings in areas where it is likely to exist.

Surfacing Asbestos Containing Material

Quantities of asbestos containing (ACM) spray on fireproofing have been removed during previous renovation projects. Steel beams on exterior walls were inaccessible during a previous abatement project and asbestos fireproofing still remains in these areas. Asbestos containing spray on fireproofing is also present in crawlspace chase openings, chases and above ceilings on levels one, two and three of the building. There are two types of asbestos containing spray on fireproofing: gray fluffy material with white & green specs and white/orange/brown material. Note: in areas of previous fireproofing removal a newer non-asbestos gray (fluffy) fireproofing was reinstalled.

Hard ceiling and wall plasters were previously sampled and tested negative for asbestos.

Soft ceiling plaster at gym soffit, cafeteria/stage, library and adjoining areas were sampled and tested negative for asbestos.

Remaining asbestos containing surfacing materials have been identified in Part II, Section 2.3 – Measuring and Locating Tables.

Miscellaneous Asbestos Containing Material

Miscellaneous materials that were previously sampled and tested positive for asbestos include: door caulk (black) and chalkboards.

Linoleum (tan/white) present in spaces 1132B and 1132C were sampled and tested positive for asbestos.

12"x12" floor tile mastic (space 1164), light green linoleum (space 1174), light tan linoleum (spaces 2203, 2204, 2205, and 3304) and exterior perimeter transite soffits (1st & 2nd levels) are assumed positive for asbestos.

Miscellaneous asbestos containing materials have been identified in Part II, Section 2.3 – Measuring and Locating Tables.

PART I BULK SAMPLING AND TESTING

1.1 GENERAL STATEMENTS CONCERNING ASBESTOS INSPECTIONS

A. It is the intention of this report to delineate the location and amount of asbestos containing materials (hereafter referred to as ACM) within this facility. As with any post construction survey, ACM may go undetected in or behind walls, ceilings and floors. It is imperative to review existing heating and plumbing plans before starting any renovation projects with your Architect. Make access holes in floors, walls, and ceilings, if necessary, to determine the location of ACM that may remain. Properly trained personnel must conduct this review. Bulk sampling of suspect materials should be implemented prior to any renovation work where workers may come in contact with suspect ACM.

B. In accordance to the Environmental Protection Agency and New York State (Code Rule 56), material determined to contain less than 1% asbestos by weight shall be considered a non-asbestos containing material. This criterion is used when applicable in this report. Sample results indicated in the bulk Sample Summary will reflect actual laboratory results and percentages when available. "Trace" results indicate an asbestos content of <1% by weight.

C. On August 3, 1992 the New York State Environmental Laboratory Approval Program (ELAP), amended the requirements for the analysis of Non-Friable Organically Bound asbestos containing materials, (NOB's). This term refers to a wide variety of Non-Friable materials, embedded in flexible to rigid asphalt or vinyl matrices. The list of NOB's includes but is not limited to, vinyl floor tile, mastic, asphalt shingles and roofing materials.

ELAP concluded that analysis by Transmission Electron Microscopy (TEM) is the ONLY method that can be used to report a true negative result for NOB samples.

1.2 SAMPLING LOCATION PROTOCOL

A. FRIABLE SURFACING MATERIALS (e.g., Fireproofings, Acoustical Plasters, etc.)

1. LOCATION

   a. Each homogeneous area is sketched approximately to scale.

   b. The sketch is evenly divided into nine sections.

   c. Of these nine sections, one is randomly selected for sampling.

   d. A core sample of the material is taken as close to the center of the selected section as possible. The number of sections and the method of selecting those to be sampled are described below.

2. QUANTITY

   a. In accordance with the guidelines of the US EPA as defined in AHERA, the minimum quantity of samples necessary to classify a friable surfacing material to be non-asbestos containing is as indicated in the table below. No sampling is required if the material is assumed to contain asbestos. A single positive sample from a homogeneous area requires the entire homogeneous area to be classified as an asbestos containing material.

AREA SIZE	REQUIRED SAMPLE QUANTITY
Less than or equal to 1000 square feet	3
Greater than 1000 square feet, less than or equal to 5000 square feet	5
Greater than 5000 square feet	7

B. THERMAL SYSTEM INSULATION

1. LOCATION

   a. Each functional part of the thermal system is classified into a homogeneous area.

   b. For each homogeneous area, the inspector selects sample locations in diverse areas of the building.

   c. Each sampling location is selected to be representative of the homogeneous area as a whole.

2. QUANTITY

   a. A minimum of three samples from each homogeneous area must test negative to confirm thermal material as non-asbestos. Fewer samples are required if the material is determined to be asbestos containing. No samples are required if the material is assumed to contain asbestos.

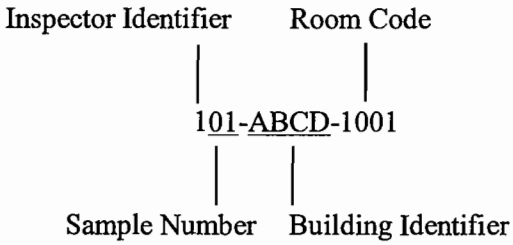
C. MISCELLANEOUS AND NON-FRIABLE MATERIALS

1. The asbestos inspector, in making his own determination, and in accordance with EPA guidelines, will sample a quantity sufficient to determine the presence or absence of

asbestos. No samples are required if the material is assumed to contain asbestos.

D. SAMPLE LABELING

1. Each sample is labeled in a manner that identifies the inspector, the sample number, building identifier, and the room code from where the sample was taken. The example shown below is representative of the system used for this report.



1.3 BULK SAMPLE SUMMARY

A. THERMAL INSULATION

Sample Code	Drawing ID	Color	Material Type	% Asb
628-TR-146A	628	GRAY	PIPE FITTING (DOMESTIC)	NAD
629-TR-146A	629	GRAY	PIPE FITTING (DOMESTIC)	NAD
630-TR-146A	630	GRAY	PIPE FITTING (DOMESTIC)	NAD
131-TR-B001	131	GRAY	BOILER BREECHING MUD	NAD
132-TR-B001	132	WHITE	BOILER BREECHING INSULATION	NAD
133-TR-B001	133	GRAY	FLUE MUD DEBRIS @CHIMNEY	36.4
134-TR-B001	134	WHITE	HOT WATER FLUE PIPE DEBRIS	50
135-TR-B001	135	GRAY	PIPE MUD DEBRIS ON GENERATOR	NAD
136-TR-B001	136	WHITE	PIPE INSUL. ON GENERATOR	NAD
137-TR-B001	137	GRAY	PIPE MUD DEBRIS ON GENERATOR	NAD
138-TR-B004	138	WHT/GRY	PIPE FITTING (HEAT) ON GROUND	2.1
139-TR-B004	139	WHT/GRY	PIPE FITTING (HEAT)	TRACE
140-TR-B004	139	GRAY	PIPE FITTING (DOMESTIC)	NAD
141-TR-B005	141	BLACK	FELT PIPE WRAP IN CHASE	NAD
144-TR-B006	144	GRAY	PIPE FITTING (HEAT) IN CHASE	NAD
145-TR-B006	145	GRAY	PIPE FITTING (DOMESTIC) IN CHASE	TRACE
146-TR-B006	146	GRAY	PIPE FITTING (DOMESTIC) IN CHASE	3.3
148-TR-B006	148	GRAY	PIPE FITTING IN CHASE	1.3
152-TR-1112	152	WHITE	ROOF DRAIN LEADER FITTING	TRACE
153-TR-1112	153	WHITE	ROOF DRAIN BOWL FITTING	TRACE
157-TR-1128A	157	WHITE	PIPE FITTING (DOMESTIC)	TRACE

NAD - NO ASBESTOS DETECTED
TRACE - <1% ASBESTOS DETECTED

B. SURFACING MATERIALS

Sample Code	Drawing ID	Color	Material Type	% Asb
608-TR-1169A	608	BROWN	FIREPROOFING	10
609-TR-1169A	609	BROWN	FIREPROOFING	12
610-TR-1169A	610	GRAY	FIREPROOFING	10
611-TR-1169A	611	GRAY	FIREPROOFING	12
142-TR-B005	142	GRAY	FIREPROOF INSUL. IN CHASE (FLUFFY)	NAD
147-TR-B006	147	GRY/WHT	FIREPROOF INSUL. IN CHASE	26.7
149-TR-B006	147	GRY/WHT	FIREPROOF INSUL. IN CHASE	11.4
150-TR-1174	150	WHT/ORA	FIREPROOF INSUL. ABOVE CEIL.	13.5
151-TR-1107	151	GRY/WHT	FIREPROOF INSUL. IN WALL @ SINK	20
158-TR-1132A	158	WHITE	CEILING PLASTER - TOP (FLUFFY)	NAD

C. MISCELLANEOUS MATERIALS

Sample Code	Drawing ID	Color	Material Type	% Asb
601-TR-3313	601	BRN/GRN	CHALK/TACK BOARD ADHESIVE	NAD
602-TR-3313	602	BROWN	TACKBOARD	NAD
603-TR-2216	603	GRAY	CHALKBOARD – TOP	NAD
604-TR-1188	604	BROWN	TACKBOARD	NAD
605-TR-1177	605	GRAY	CHALKBOARD – TOP	NAD
606-TR-1177	606	BROWN	CHALKBOARD – BOTTOM	NAD
607-TR-1185	607	BRN/GRN	CHALK/TACK BOARD ADHESIVE	NAD
612-TR-1117	612	GRY/BLK	CHALKBOARD	14.3
613-TR-1117	613	GRY/BLK	CHALKBOARD	22.2
614-TR-1164	614	BLACK	DOOR CAULK	23.1
615-TR-1102	615	BROWN	DOOR CAULK	NAD
616-TR-1130	616	BROWN	DOOR CAULK	NAD
617-TR-1132A	617	WH/BRN	SHEET ROCK UNDER STAGE STAIRS	NAD
618-TR-1132	618	GRAY	GLAZED BLOCK MORTAR	NAD
619-TR-1132	619	TAN	GLAZED BLOCK	NAD
620-TR-1132	620	GRAY	TILE ON TOP OF METAL CEILING TILE	NAD
621-TR-146A	621	GRAY	CERAMIC FLOOR TILE GROUT	NAD
622-TR-146A	622	PINK	CERAMIC FLOOR TILE	NAD

NAD - NO ASBESTOS DETECTED
WHT - WHITE
GRN - GREEN
BRN – BROWN
ORA – ORANGE
GRY - GRAY

C. MISCELLANEOUS MATERIALS (CONTINUED)

Sample Code	Drawing ID	Color	Material Type	% Asb
623-TR-146A	623	WHITE	CERAMIC WALL TILE GROUT	NAD
624-TR-146A	624	WHITE	SINK CAULK	NAD
625-TR-1128	625	GRAY	GLAZED BLOCK MORTAR	NAD
626-TR-1128	626	GRAY	TILE ON TOP OF METAL CEILING TILE	NAD
627-TR-146A	627	WHITE	CERAMIC WALL TILE GROUT	NAD
143-TR-B005	143	GRAY	CEMENTIOUS MATERIAL IN CHASE	TRACE
154-TR-1184	154	BLACK	SINK COATING	TRACE
155-TR-1132B	155	TAN/WHT	LINOLEUM	17.5
156-TR-1128	156	GRAY	METAL PAN CEILING INSULATION	NAD

No other suspect miscellaneous materials were seen or tested for this building review.

NA - SAMPLE NOT ANALYZED
NAD - NO ASBESTOS DETECTED
TRACE - <1% ASBESTOS DETECTED
SLVR - SILVER
WHT - WHITE
GRN - GREEN
BRN – BROWN
ORA - ORANGE

PART II MEASURING AND LOCATING SUMMARY

2.1 ACM ASSESSMENT CODES

1	Thermal System Insulation - Damaged/Significantly Damaged
2	Surfacing ACM - Damaged Friable
3	Surfacing ACM – Significantly Damaged Friable
4	Miscellaneous ACM – Damaged or Significantly Damaged Friable
5	ACM with Potential for Damage
6	ACM with Potential for Significant Damage
7	Any Remaining Friable ACM - known or suspected
B	Non-friable ACM Material
C	Clean Area
D	ACM Dirt Floor Area
E	Estimated Materials
F	Special Circumstances/Access Denied

2.2 DEFINITIONS

Non-Friable ACM material - Records should be kept noting the locations of these materials in order to avoid inadvertent disturbance.

Clean Area - No ACM was detected in this area. Consult with the Architect/Engineer prior to renovations to ensure that no ACM exists in inaccessible areas.

ACM Dirt Floor Area - This ACM represents an imminent health hazard due to the nature of the material. It is recommended the Owner restrict access to this area and label any accesses to prevent potential unauthorized entry and exposure to asbestos materials.

Estimated Materials - ACM is suspected to be present behind walls, floors or ceilings. Records should be kept noting the locations of this suspected material to avoid inadvertent disturbance during renovations.

Special Circumstances/Access Denied - Access to area was prohibited or not possible at the time of this survey. These locations should be noted for future reference so that if renovations are planned, an assessment can be made to determine if asbestos is present in these areas.

2.3 MEASURING AND LOCATING TABLES

100-Pipe Insulation	A: Corrugated	B: Pre-Form	C: Joint & Elbow	D: Pipe Debris
300-Ceiling	A: Tile	B: Plaster	C: Transite	
400-Wall	A: Panel	B: Plaster	C: Transite	D: Mastic
500-Floor	A: Tile	B: Dirt Floor	C: Linoleum	D: Mastic
700 – Fire Proofing	A: Ceiling	E. Debris		
800-Miscellaneous	A: Asbestos Board	B: Transite	C: Light Gasket	H: Adhesive
	N: Door Caulk			

ROOM CODE	ROOM USE	MATERIAL CODE	ASSESS. CODE	FEET ACM	or UNITS ACM
BASEMENT LEVEL					
B001	BOILER ROOM	100C	5	8	
		100D	1	2	
B002	STAIRWELL		C		
B003	STAIRWELL		C		
B004	CRAWL SPACE	100D	1	6	
B005	CRAWL SPACE	100D	1	2	
B006	CRAWL SPACE	100D	1	12	
		700D	1	20	
LEVEL ONE					
1102	EQUIPMENT ROOM		C		
1103	FIELD STORAGE		C		
1104	FIELD STORAGE		F		
1105 (108A)	BATHROOM		C		
1106	PIPE CHASE		C		
1107 (107)	STORAGE	700A	5	325	
		700D	1	1	
1108 (108)	BOY'S LOCKERS		C		
1109 (108B)	SHOWER	100C	E	16	
1110 (108C)	DRY ROOM		C		
1111	HALLWAY		C		
1112	ENTRANCE		C		
1113 (136D)	STORAGE		C		
1114	PIPE CHASE		C		
1115 (136C)	SHOWER		C		
1116 (136B)	DRY		C		
1117 (117)	CLASSROOM		C		
1118 (136A)	GIRL'S LOCKER ROOM		C		
1119 (119)	JANITOR		C		
1120	CORRIDOR	700A	1	1000	

2.3 MEASURING AND LOCATING TABLES

100-Pipe Insulation	A: Corrugated	B: Pre-Form	C: Joint & Elbow	D: Pipe Debris
300-Ceiling	A: Tile	B: Plaster	C: Transite	
400-Wall	A: Panel	B: Plaster	C: Transite	D: Mastic
500-Floor	A: Tile	B: Dirt Floor	C: Linoleum	D: Mastic
700 – Fire Proofing	A: Ceiling	E. Debris		
800-Miscellaneous	A: Asbestos Board	B: Transite	C: Light Gasket	H: Adhesive
	N: Door Caulk			

ROOM CODE	ROOM USE	MATERIAL CODE	ASSESS. CODE	FEET ACM	or UNITS ACM
1121	CORRIDOR		C		
1122 (122)	TRUCK STORAGE	700A	1	250	
1123	EXAM ROOMS		C		
1124	EXAM ROOMS		C		
1125 (125)	STORAGE		C		
1126 (126)	OFFICE		C		
1127 (127)	STORAGE	100C	1	2	
1128 (128)	KITCHEN		C		
1128A	PIPE CHASE	100C	1	2	
		700A	1	100	
1128B	BATHROOM	100C	E	6	
		700A	E	100	
1128C	BATHROOM	100C	E	6	
		700A	E	100	
1129	OFFICE		C		
1130 (130)	GYMNASIUM	700A	1	1000	
1131	RECEPTION		C		
1132 (132)	CAFETORIUM	100C	E	10	
		700A	E	3000	
1132A (132A)	STAGE	500C	B	160	
1133 (133)	BAND ROOM	700A	1	375	
1133A (133A)	STORAGE	700A	1	96	
1134	LOBBY		C		
1135	FOYER		C		
1136 (136)	GIRL'S LOCKER ROOM		C		
1137	FOYER		C		
1138	OFFICE		C		
1139 (139)	OFFICE	700A	E	325	
1140 (140)	STORAGE	700A	E	325	
1141	STORAGE	700A	E	120	
1142	CORRIDOR		C		
1143 (143)	MEN'S ROOM	700A	E	400	
1144	CORRIDOR		C		
1145	CORRIDOR		C		
1146 (146)	WOMEN'S	100C	E	6	
		700A	E	400	

2.3 MEASURING AND LOCATING TABLES

100-Pipe Insulation	A: Corrugated	B: Pre-Form	C: Joint & Elbow	D: Pipe Debris
300-Ceiling	A: Tile	B: Plaster	C: Transite	
400-Wall	A: Panel	B: Plaster	C: Transite	D: Mastic
500-Floor	A: Tile	B: Dirt Floor	C: Linoleum	D: Mastic
700 – Fire Proofing	A: Ceiling	E. Debris		
800-Miscellaneous	A: Asbestos Board	B: Transite	C: Light Gasket	H: Adhesive
	N: Door Caulk			

ROOM CODE	ROOM USE	MATERIAL CODE	ASSESS. CODE	FEET or UNITS ACM	ACM
1146A	ENTRANCE- WOMEN'S		C		
1147	STORAGE		C		
1148 (148)	STORAGE	700A	E	400	
1149	PIPE CHASE		C		
1150	OFFICE		C		
1151 (151)	NURSE'S OFFICE		C		
1152 (152)	STORAGE		C		
1153	STAIRWELL	700A	1	200	
1154	STAIRWELL	700A	1	200	
1155 (155)	LIBRARY	700A	1	2000	
1156	BATHROOM	100C	E	8	
		700A	1	100	
1157	BATHROOM	700A	1	60	
1158	CLOSET	700A	1	80	
1159 (159)	MAIN OFFICE		C		
1161 (161)	OFFICE		C		
1163 (163)	TOILET		C		
1164 (165)	CLASSROOM	100C	E	2	
		500A	B	850	
		700A	1	850	
1165 (165)	CLASSROOM	700A	1	850	
1166 (166)	STORAGE		C		
1169 (169)	JANITOR	700A	1	80	
1170 (170)	FACUILTY ROOM	700A	1	300	
1173 (173)	FACUILTY	700A	1	120	
1173A	BATHROOM	700A	1	40	
1173B	BATHROOM	700A	1	40	
1173C	SINK AREA	700A	1	40	
1173D	SINK AREA	700A	1	40	
1174 (174)	STORAGE	700A	1	225	
1177 (177)	CLASSROOM	100C	E	2	
		700A	1	850	
1181 (181)	CLASSROOM	100C	E	2	
		700A	1	850	
1182 (182)	CLASSROOM	100C	E	2	
		700A	1	850	
1184	CLASSROOM	100C	E	2	
		700A	1	850	

2.3 MEASURING AND LOCATING TABLES

100-Pipe Insulation	A: Corrugated	B: Pre-Form	C: Joint & Elbow	D: Pipe Debris
300-Ceiling	A: Tile	B: Plaster	C: Transite	
400-Wall	A: Panel	B: Plaster	C: Transite	D: Mastic
500-Floor	A: Tile	B: Dirt Floor	C: Linoleum	D: Mastic
700 – Fire Proofing	A: Ceiling	E. Debris		
800-Miscellaneous	A: Asbestos Board	B: Transite	C: Light Gasket	H: Adhesive
	N: Door Caulk			

ROOM CODE	ROOM USE	MATERIAL CODE	ASSESS. CODE	FEET or UNITS ACM
1184	CLASSROOM	100C	E	2
		700A	1	850
1185 (185)	CLASSROOM	100C	E	2
		700A	1	850
1186	CORRIDOR	700A	1	1700
1188 (183)	CLASSROOM	100C	E	2
		700A	1	850

LEVEL TWO

2201 (201)	CLASSROOM	100C	E	2
		700A	1	850
2202 (202)	CLASSROOM	100C	E	2
		700A	1	850
2203 (203)	STORAGE	700A	1	200
2204 (204)	STORAGE	700A	1	75
2205 (205)	STORAGE	700A	1	75
2207 (207)	BOY'S ROOM	700A	1	200
2208 (208)	GIRL'S ROOM	700A	1	200
2209 (209)	CLASSROOM	100C	E	2
		700A	1	850
2210 (210)	CLASSROOM	100C	E	2
		700A	1	850
2211 (211)	CLASSROOM	100C	E	2
		700A	1	850
2213 (213)	CLASSROOM	100C	E	2
		700A	1	850
2214 (214)	CLASSROOM	100C	E	2
		700A	1	850
2215 (215)	CLASSROOM	100C	E	2
		700A	1	850
2216 (216)	CLASSROOM	100C	E	2
		700A	1	850
2217 (217)	CLASSROOM	100C	E	2
		700A	1	850
2218 (218)	CLASSROOM	100C	E	2
		700A	1	850
2219	CORRIDOR	700A	1	1700

2.3 MEASURING AND LOCATING TABLES

100-Pipe Insulation	A: Corrugated	B: Pre-Form	C: Joint & Elbow	D: Pipe Debris
300-Ceiling	A: Tile	B: Plaster	C: Transite	
400-Wall	A: Panel	B: Plaster	C: Transite	D: Mastic
500-Floor	A: Tile	B: Dirt Floor	C: Linoleum	D: Mastic
700 – Fire Proofing	A: Ceiling	E. Debris		
800-Miscellaneous	A: Asbestos Board	B: Transite	C: Light Gasket	H: Adhesive
	N: Door Caulk			

ROOM CODE	ROOM USE	MATERIAL CODE	ASSESS. CODE	FEET or UNITS ACM
2222	PIPE CHASE	100C	E	20
		700A	1	100

LEVEL THREE

3301 (301) COMPUTER CLASSROOM	700A	1	70
3302 (302) CLASSROOM	700A	1	70
3304 (304) FACUILTY LOUNGE	500C	B	400
	700A	1	35
3307 (307) BOY'S ROOM	100C	E	6
	700A	1	100
3308 (308) GIRL'S ROOM	100C	E	6
	700A	1	70
3309 (309) CLASSROOM	100C	E	2
	700A	1	70
3310 (310) CLASSROOM	100C	E	2
	700A	1	70
3311 (311) CLASSROOM	100C	E	2
	700A	1	70
3313 (313) CLASSROOM	100C	E	2
	700A	1	70
3314 (314) CLASSROOM	100C	E	2
	700A	1	70
3315 (315) CLASSROOM	100C	E	2
	700A	1	70
3316 (316) CLASSROOM	100C	E	2
	700A	1	70
3317 (317) CLASSROOM	100C	E	2
	700A	1	70
3318 (318) CLASSROOM	100C	E	2
	700A	1	70
3319 CORRIDOR		C	
3320 STAIRS	700A	1	200
3321 STAIRS	700A	1	200
3322 PIPE CHASE	100C	E	6
3323 CLOSET		C	

2.3 MEASURING AND LOCATING TABLES

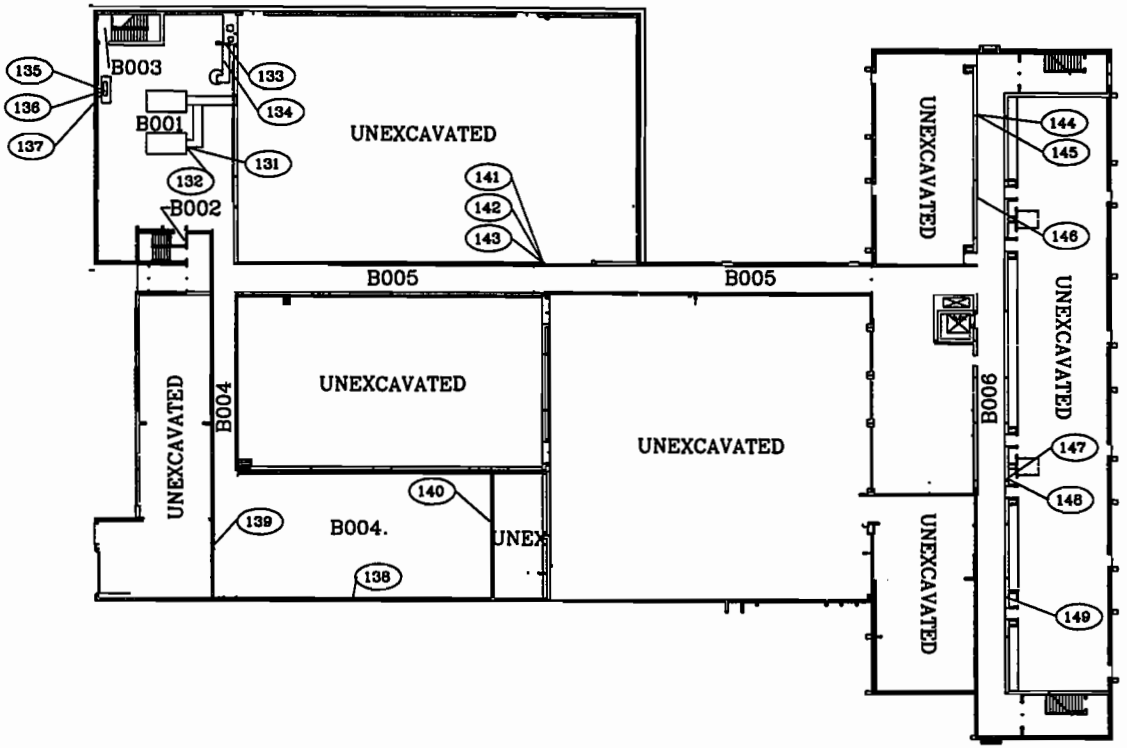
100-Pipe Insulation	A: Corrugated	B: Pre-Form	C: Joint & Elbow	D: Pipe Debris
300-Ceiling	A: Tile	B: Plaster	C: Transite	
400-Wall	A: Panel	B: Plaster	C: Transite	D: Mastic
500-Floor	A: Tile	B: Dirt Floor	C: Linoleum	D: Mastic
700 – Fire Proofing	A: Ceiling	E. Debris		
800-Miscellaneous	A: Asbestos Board	B: Transite	C: Light Gasket	H: Adhesive
	N: Door Caulk			

ROOM CODE	ROOM USE	MATERIAL CODE	ASSESS. CODE	FEET ACM	or UNITS ACM
BUILDING EXTERIOR					
4001	EXTERIOR	800B	B	2600	
		800N	B	11	

FIGURES

LEGEND:

(XXX) Bulk Sample Locations



HAWK
ENGINEERING, pc
Binghamton, NY.
(607) 584-0140

- CIVIL ENGINEERING
- CONSTRUCTION COORDINATION
- ENVIRONMENTAL ENGINEERING
- GEOTECHNICAL ENGINEERING
- PLANNING
- SURVEY & MAPPING

BINGHAMTON CSD

2010 AHERA TRIENNIAL REINSPECTION
THEODORE ROOSEVELT ELEMENTARY SCHOOL
9 OGDEN ST., BINGHAMTON, NY

REV NO.	DATE
1	
DATE:	11/15/10
PROJECT NO:	1034.01
CAD DWG FILE:	HA_TR_1034.DWG
DRAWN BY: TWM	CHECK BY: JM
DESIGN BY: JM	QA/QC BY: CTG

DRAWING TITLE

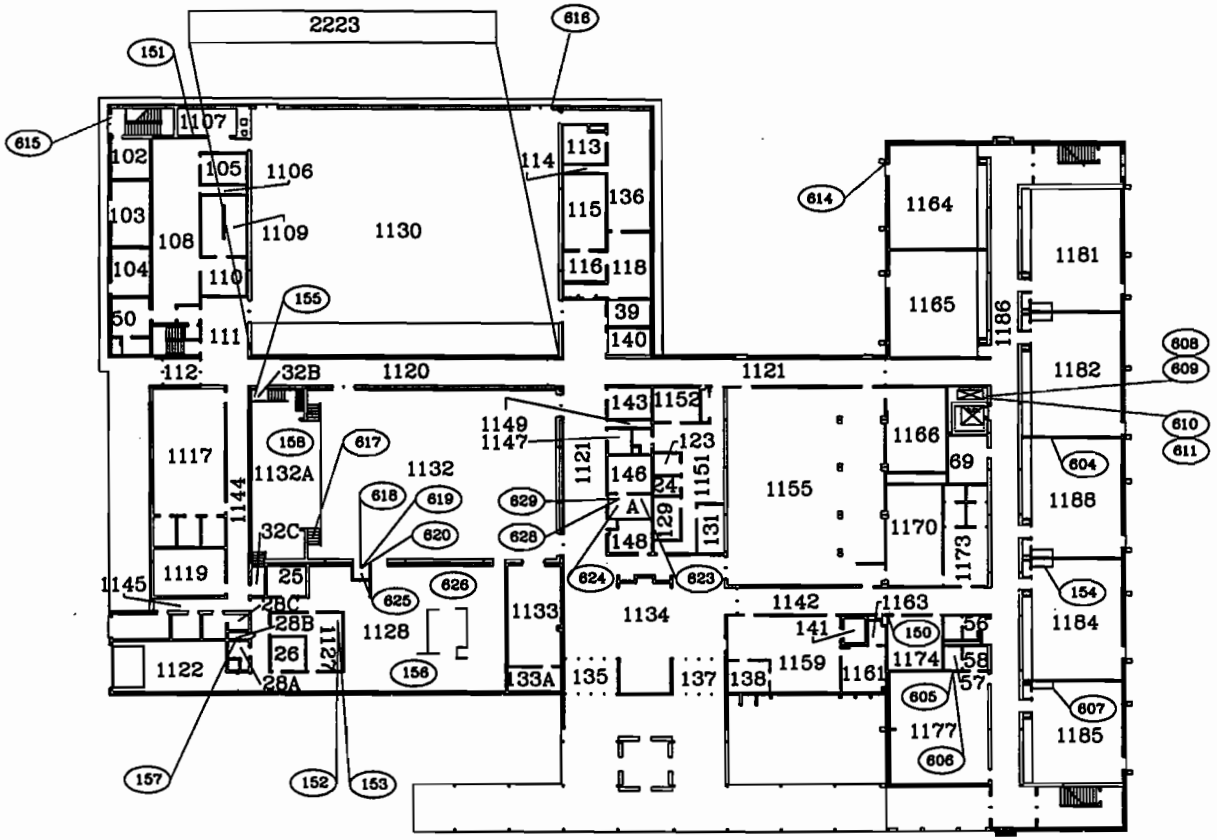
THEODORE ROOSEVELT ELEMENTARY
BOILER ROOM & CRAWLSPACE

HA001

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CADD DRAWING: DO NOT ALTER MANUALLY

LEGEND:

(XXX) Bulk Sample Locations



HAWK

ENGINEERING, pc

Binghamton, NY.

(607) 584-0140

- CIVIL ENGINEERING
- CONSTRUCTION COORDINATION
- ENVIRONMENTAL ENGINEERING
- GEOTECHNICAL ENGINEERING
- PLANNING

BINGHAMTON CSD

2010 AHERA TRIENNIAL REINSPECTION

THEODORE ROOSEVELT ELEMENTARY SCHOOL

9 OGDEN STREET, BINGHAMTON, NY

REV NO.	DATE
1	
DATE:	11/15/10
PROJECT NO:	1034.01
CAD DWG FILE:	HA_TR_1034.DWG
DRAWN BY: TWM	CHECK BY: JM
DESIGN BY: JM	QA/QC BY: CTG

DRAWING TITLE

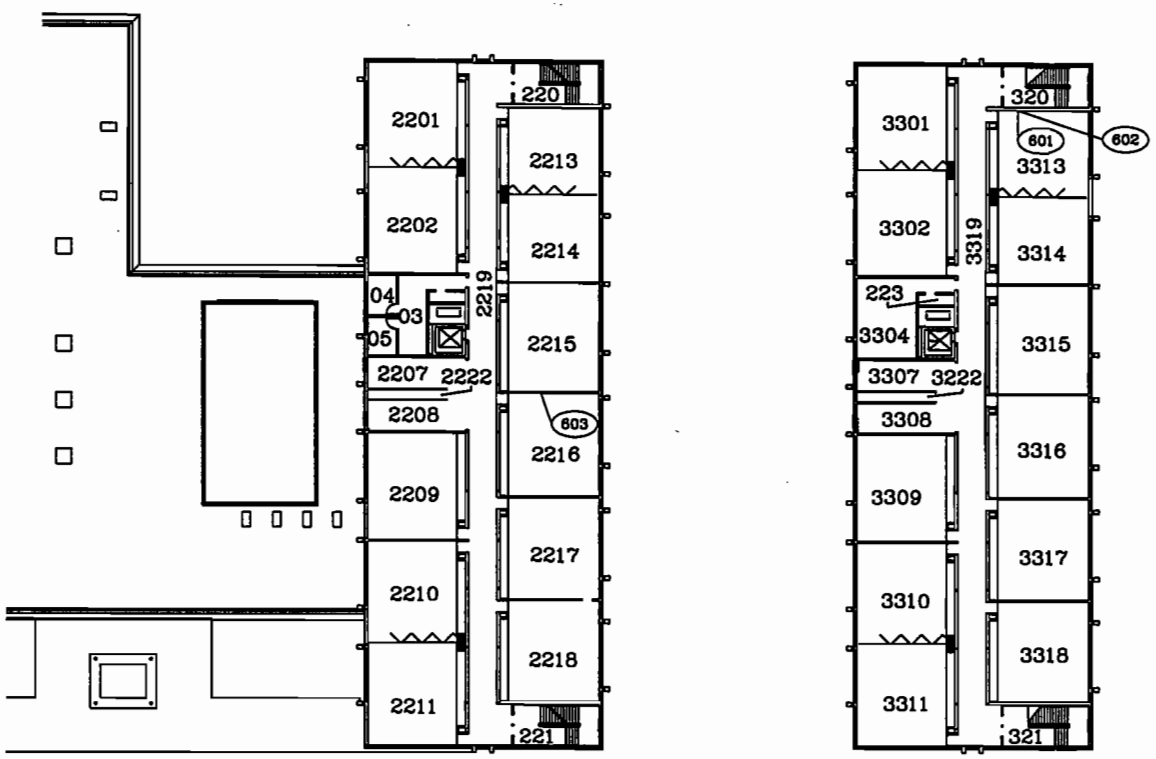
THEODORE ROOSEVELT ELEMENTARY
LEVEL ONE

HA002

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LEGEND:

(XXX) Bulk Sample Locations



HAWK
ENGINEERING, pc
Binghamton, NY.
(607) 584-0140

- CIVIL ENGINEERING
- CONSTRUCTION COORDINATION
- ENVIRONMENTAL ENGINEERING
- GEOTECHNICAL ENGINEERING
- PLANNING

BINGHAMTON CSD

2010 AHERA TRIENNIAL REINSPECTION
THEODORE ROOSEVELT ELEMENTARY SCHOOL
9 OGDEN STREET, BINGHAMTON, NY

REV NO.	DATE
1	
DATE:	11/15/10
PROJECT NO:	1034.01
CAD DWG FILE:	HA_TR_1034
DRAWN BY: TWM	CHECK BY: JM
DESIGN BY: JM	QA/QC BY: CTG

DRAWING TITLE

THEODORE ROOSEVELT ELEMENTARY
LEVELTWO & THREE

HA003

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APPENDIX A

LABORATORY DOCUMENTATION

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

January 11, 2008

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street
Binghamton, NY 13901

RE: Hawk Engineering, P.C.
Job Number 108011239
P.O. #7059.01
7059.01; Theodore Roosevelt

Dear John Muniak:

Enclosed are the results of Asbestos Analysis - Bulk Protocol of the following Hawk Engineering, P.C. samples, received at AmeriSci on Friday, January 11, 2008, for a 5 day turnaround:

601-TR-3313, 602-TR-3313, 603-TR-2216, 604-TR-1188, 605-TR-1177, 606-TR-1177, 607-TR-1185

The 7 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 8585 6178 5240 R. Hawk Engineering, P.C. requested ELAP PLM/TEM analysis of these samples.

The results of the analyses which were performed under NYSDOH ELAP Lab Certification # 10984 following ELAP 198.4 TEM guidelines are presented within the Summary Table of this report. The presence of matrix reduction data in the Summary Table normally indicates an NOB sample. For NOB samples the individual matrix reduction and TEM analysis results are listed in Table I. Complete PLM results for individual samples analyzed by ELAP 198.1 (friable) and ELAP 198.6 (NOB) are presented in the PLM Bulk Asbestos Report. This combined report relates ONLY to sample analysis expressed as percent composition by weight and percent asbestos. This report must not be used to claim product endorsement or approval by these laboratories, NVLAP, ELAP or any other associated agency. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

T. Brian Keith
Asbestos Laboratory Director

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 01/11/08 **AmeriSci Job #** 108011239
Date Examined 01/11/08 **P.O. #**
ELAP # 10984 **Page** 1 **of** 2
RE: 7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
601-TR-3313 **Location:**	108011239-01	***No***	NAD (by NYS ELAP 198.6) by C. David Mintz on 01/11/08
Analyst Description: Brown/Green, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Acid Sensitive 34.1 %, Heat Sensitive 55 %, Non-fibrous 10.9 %			
602-TR-3313 **Location:**	108011239-02	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 01/11/08
Analyst Description: Lt. Brown, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 8 %, Non-fibrous 92 %			
603-TR-2216 **Location:**	108011239-03	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 01/11/08
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
604-TR-1188 **Location:**	108011239-04	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 01/11/08
Analyst Description: Yellow-Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 8 %, Non-fibrous 92 %			
605-TR-1177 **Location:**	108011239-05	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 01/11/08
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
606-TR-1177	108011239-06	***No***	NAD
Location:			(ELAP 198.1; 400pc) by C. David Mintz on 01/11/08
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 75 %, Non-fibrous 25 %			
607-TR-1185	108011239-07	***No***	NAD
Location:			(ELAP 198.6; 400pc) by C. David Mintz on 01/11/08
Analyst Description: Black/Green, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Acid Sensitive 30.3 %, Heat Sensitive 57.6 %, Non-fibrous 12.1 %			

Reporting Notes:

Analyzed by: C. David Mintz _____ Date 1/11/08

*NAD = no asbestos detected, Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

AmeriSci Job #: **108011239**

Client Name: Hawk Engineering, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
7059.01; Theodore Roosevelt

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01 Location:	601-TR-3313		0.432	55.0	34.1	10.9	NAD	NAD
02 Location:	602-TR-3313		----	----	----	----	NAD	NA
03 Location:	603-TR-2216		----	----	----	----	NAD	NA
04 Location:	604-TR-1188		----	----	----	----	NAD	NA
05 Location:	605-TR-1177		----	----	----	----	NAD	NA
06 Location:	606-TR-1177		----	----	----	----	NAD	NA
07 Location:	607-TR-1185		0.087	57.6	30.3	12.1	NAD	NAD

Reviewed by: _____ Date Reviewed: 1/14/08 Analyzed By: Glenn F. Massey _____ Date Analyzed: 1/12/2008

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%;
PLM analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples (198.6 for NOB samples) (NY ELAP Lab # 10984);
TEM analysis by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984);

** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

108011239

CHAIN OF CUSTODY

HAWK ENGINEERING, P.C.

TECHNICIAN: JOHN MUNIAK	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.01 DATE: 1/10/08	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
601-TR-3313		✓	✓	✓	✓	✓							
602-TR-3313		✓		✓									
603-TR-2216		✓		✓									
604-TR-1188		✓		✓									
605-TR-1177		✓		✓									
606-TR-1177		✓		✓									
607-TR-1185		✓	✓	✓	✓	✓							

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Muniak DATE: 1/10/08

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

PROVIDE RESULTS TO HAWK

5 DAY TAT

BY: / / am pm

- FAX # (607) 584-0139

COMMENTS:

RECEIVED JAN 11 2008 By

Binghamton, New York 1-607-584-0140

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

July 23, 2008

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street
Binghamton, NY 13901

RE: Hawk Engineering, P.C.
Job Number 108071821
P.O. #7059.07
7059.07; Theodore Roosevelt

Dear John Muniak:

Enclosed are the results of Asbestos Analysis - Bulk Protocol of the following Hawk Engineering, P.C. samples, received at AmeriSci on Tuesday, July 22, 2008, for a 24 hour turnaround:

608-TR-1169A, 609-TR-1169A, 610-TR-1169A, 611-TR-1169A

The 4 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 8641 9729 6695 S. Hawk Engineering, P.C. requested ELAP PLM/TEM analysis of these samples.

The results of the analyses which were performed under NYSDOH ELAP Lab Certification # 10984 following ELAP 198.4 TEM guidelines are presented within the Summary Table of this report. The presence of matrix reduction data in the Summary Table normally indicates an NOB sample. For NOB samples the individual matrix reduction and TEM analysis results are listed in Table I. Complete PLM results for individual samples analyzed by ELAP 198.1 (friable) and ELAP 198.6 (NOB) are presented in the PLM Bulk Asbestos Report. This combined report relates ONLY to sample analysis expressed as percent composition by weight and percent asbestos. This report must not be used to claim product endorsement or approval by these laboratories, NVLAP, ELAP or any other associated agency. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

T. Brian Keith
Asbestos Laboratory Director

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 07/22/08
Date Examined 07/23/08

AmeriSci Job # 108071821
P.O. #

RE: 7059.07; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
608-TR-1169A **Location:**	108071821-01	*Yes*	10 % (by NYS ELAP 198.1) by C. David Mintz on 07/23/08
Analyst Description: Lt Brown & White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 10.0 % **Other Material:** Cellulose 70 %, Fibrous glass 4 %, Non-fibrous 16 %			
609-TR-1169A **Location:**	108071821-02	*Yes*	12 % (by NYS ELAP 198.1) by C. David Mintz on 07/23/08
Analyst Description: Lt. Brown & White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 12.0 % **Other Material:** Cellulose 70 %, Fibrous glass 4 %, Non-fibrous 14 %			
610-TR-1169A **Location:**	108071821-03	*Yes*	10 % (by NYS ELAP 198.1) by C. David Mintz on 07/23/08
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 10.0 % **Other Material:** Cellulose 1 %, Fibrous glass 70 %, Non-fibrous 19 %			
611-TR-1169A **Location:**	108071821-04	*Yes*	12 % (by NYS ELAP 198.1) by C. David Mintz on 07/23/08
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 12.0 % **Other Material:** Cellulose 1 %, Fibrous glass 70 %, Non-fibrous 17 %			

See Reporting notes on last page

Client Name: Hawk Engineering, P.C.

PLM Bulk Asbestos Report

7059.07; Theodore Roosevelt

Reporting Notes:

Analyzed by: C. David Mintz C D Mintz Date 7/23/08

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

10807182 1

CHAIN OF CUSTODY

HAWK ENGINEERING, P.C.

TECHNICIAN: JOHN MUNIAK	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.07 DATE: 7/21/08	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
608-TR-1169A		✓		✓									
609-TR-1169A		✓		✓									
610-TR-1169A		✓		✓									
611-TR-1169A		✓		✓									

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Muniak DATE: 7/21/08

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

PROVIDE RESULTS TO HAWK
24 HOUR TAT
BY: / / am pm

- FAX # (607) 584-0139

COMMENTS:

RECEIVED
JUL 22 2008
By

Binghamton, New York 1-607-584-0144

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

July 30, 2008

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street
Binghamton, NY 13901

RE: Hawk Engineering, P.C.
Job Number 108072095
P.O. #7059.07
7059.07; Theodore Roosevelt

Dear John Muniak:

Enclosed are the results of Asbestos Analysis - Bulk Protocol of the following Hawk Engineering, P.C. samples, received at AmeriSci on Wednesday, July 30, 2008, for a 24 hour turnaround:

612-TR-1117, 613-TR-1117

The 2 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 8641 9729 7268 S. Hawk Engineering, P.C. requested ELAP PLM/TEM analysis of these samples.

The results of the analyses which were performed under NYSDOH ELAP Lab Certification # 10984 following ELAP 198.4 TEM guidelines are presented within the Summary Table of this report. The presence of matrix reduction data in the Summary Table normally indicates an NOB sample. For NOB samples the individual matrix reduction and TEM analysis results are listed in Table I. Complete PLM results for individual samples analyzed by ELAP 198.1 (friable) and ELAP 198.6 (NOB) are presented in the PLM Bulk Asbestos Report. This combined report relates ONLY to sample analysis expressed as percent composition by weight and percent asbestos. This report must not be used to claim product endorsement or approval by these laboratories, NVLAP, ELAP or any other associated agency. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

T. Brian Keith
Asbestos Laboratory Director

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 07/30/08
Date Examined 07/30/08

AmeriSci Job # 108072095
P.O. #
Page 1 **of** 1

RE: 7059.07; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
612-TR-1117	108072095-01	*Yes*	14.3 % (by NYS ELAP 198.1) by C. David Mintz on 07/30/08
Location:			
Analyst Description: Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 14.3 % **Other Material:** Non-fibrous 85.7 %			
613-TR-1117	108072095-02	*Yes*	22.2 % (by NYS ELAP 198.1) by C. David Mintz on 07/30/08
Location:			
Analyst Description: Gray, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 22.2 % **Other Material:** Non-fibrous 77.8 %			

Reporting Notes:
Analyzed by: C. David Mintz C D Mintz Date 7/30/08
*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
Reviewed By:_____

1080720955

CHAIN OF CUSTODY

HAWK ENGINEERING, P.C.

TECHNICIAN: JOHN MUNIAK	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.07 DATE: 7/29/08	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
612-TR-1117		✓		✓									
613-TR-1117		✓		✓									

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Muniak DATE: 7/29/08

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

PROVIDE RESULTS TO HAWK
24 HOUR TAT
BY: / / am pm

- FAX # (607) 584-0139

COMMENTS:

RECEIVED JUL 30 2008 By KM

Binghamton, New York 1-607-584-0140

AMERI SCI

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

November 7, 2008

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street
Binghamton, NY 13901

RE: Hawk Engineering, P.C.
Job Number 108111125
P.O. #7059.01
7059.01; Theodore Roosevelt

Dear John Muniak:

Enclosed are the results of Asbestos Analysis - Bulk Protocol of the following Hawk Engineering, P.C. samples, received at AmeriSci on Thursday, November 06, 2008, for a 5 day turnaround:

614-TR-1164, 615-TR-1102

The 2 samples, placed in zip lock bag, were shipped to AmeriSci via Fed Ex 8641 9729 7670 r. Hawk Engineering, P.C. requested ELAP PLM/TEM analysis of these samples.

The results of the analyses which were performed under NYSDOH ELAP Lab Certification # 10984 following ELAP 198.4 TEM guidelines are presented within the Summary Table of this report. The presence of matrix reduction data in the Summary Table normally indicates an NOB sample. For NOB samples the individual matrix reduction and TEM analysis results are listed in Table I. Complete PLM results for individual samples analyzed by ELAP 198.1 (friable) and ELAP 198.6 (NOB) are presented in the PLM Bulk Asbestos Report. This combined report relates ONLY to sample analysis expressed as percent composition by weight and percent asbestos. This report must not be used to claim product endorsement or approval by these laboratories, NVLAP, ELAP or any other associated agency. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

T. Brian Keith
Asbestos Laboratory Director

AmeriSci Job #: **108111125**

Client Name: Hawk Engineering, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
7059.01; Theodore Roosevelt

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	614-TR-1164		0.273	29.1	30.5	17.3	Chrysotile 23.1	NA
Location:								
02	615-TR-1102		0.214	59.5	29.6	10.9	NAD	NAD
Location:								

Reviewed by: _____ Date Reviewed: 10/11/08 Analyzed By: Beverly A. Schrage _____ Date Analyzed: 11/7/2008

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%;
PLM analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples (198.6 for NOB samples) (NY ELAP Lab # 10984);
TEM analysis by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984);

** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

AMERI SCI

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 11/06/08
Date Examined 11/07/08

AmeriSci Job # 108111125
P.O. #
Page 1 **of** 1

RE: 7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
614-TR-1164	108111125-01	***Yes***	23.1 %
Location:			(by NYS ELAP 198.6) by C. David Mintz on 11/07/08
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 23.1 %			
Other Material: Acid Sensitive 30.5 %, Heat Sensitive 29.1 %, Non-fibrous 17.3 %			
615-TR-1102	108111125-02	***No***	NAD
Location:			(by NYS ELAP 198.6) by C. David Mintz on 11/07/08
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Acid Sensitive 29.6 %, Heat Sensitive 59.5 %, Non-fibrous 10.9 %			

Reporting Notes:
Analyzed by: C. David Mintz C D Mintz Date 11/7/08

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:_____

HAWK ENGINEERING, P.C.

CHAIN OF CUSTODY

108111125

TECHNICIAN: JOHN MUNIAK	**LABORATORY:** AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.01 **DATE:** 11/5/08	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
614-TR-1164		✓	✓	✓	✓	✓							
615-TR-1102		✓	✓	✓	✓	✓							

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Munniak **DATE:** 11/5/08

LAB SIGNATURE: **DATE:**

RECEIVED BY: **DATE:**

COMMENTS:

PROVIDE RESULTS TO HAWK

5 DAY TAT

BY: / / **am** **pm**

- **FAX # (607) 584-0139**

RECEIVED
NOV 06 2008
By

AmeriSci Job #: **109101036**

Client Name: Hawk Engineering, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
7059.01; Theodore Roosevelt

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	616-TR-1130		0.726	59.8	29.0	11.2	NAD	NAD
Location:								

Reviewed by: _____ Date Reviewed: _____ Analyzed By: Beverly A. Schrage Date Analyzed: 10/6/2009

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%;
PLM analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples (198.6 for NOB samples) (NY ELAP Lab # 10984);
TEM analysis by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984);

** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

AmeriSci Richmond
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PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 10/02/09 **AmeriSci Job #** 109101036
Date Examined 10/06/09 **P.O. #**
ELAP # 10984 **Page** 1 **of** 1
RE: 7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
616-TR-1130	109101036-01	*No*	NAD
Location:			(by NYS ELAP 198.6) by David W. Ralbovsky on 10/06/09

Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 11.2 %

Reporting Notes:
Analyzed by: David W. Ralbovsky _____ Date 10/6/9
*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
Reviewed By:_____

109101036

CHAIN OF CUSTODY

HAWK ENGINEERING, P.C.

TECHNICIAN: JOHN MUNIAK	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.01 DATE: 10/1/09	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
616-TR-1130		✓	✓	✓	✓	✓							

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Munsiak DATE: 10/1/09

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

COMMENTS:

PROVIDE RESULTS TO HAWK
5 DAY TURNAROUND
BY: / / am pm

- FAX # (607) 584-0139

RECEIVED
OCT 02 2009
By

Binghamton, New York 1-607-584-0140

AmeriSci Job #: **110021310**

Client Name: Hawk Engineering, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
7059.01; Theodore Roosevelt

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01 Location:	617-TR-1132A		---	---	---	---	NAD	NA
02 Location:	618-TR-1132		---	---	---	---	NAD	NA
03 Location:	619-TR-1132		---	---	---	---	NAD	NA
04 Location:	620-TR-1132		---	---	---	---	NAD	NA
05 Location:	621-TR-146A		---	---	---	---	NAD	NA
06 Location:	622-TR-146A		---	---	---	---	NAD	NA
07 Location:	623-TR-146A		---	---	---	---	NAD	NA
08 Location:	624-TR-146A		0.530	36.2	60.1	3.7	NAD	NAD

Reviewed by: _____ Date Reviewed: _____ Analyzed By: Jean L. Mayes _____ Date Analyzed: 2/16/2010

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%;
PLM analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples (198.6 for NOB samples) (NY ELAP Lab # 10984);
TEM analysis by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984);

** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

AMERI SCI

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13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
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PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 02/15/10 **AmeriSci Job #** 110021310
Date Examined 02/16/10 **P.O. #**
ELAP # 10984 **Page** 1 **of** 2
RE: 7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
617-TR-1132A	110021310-01	*No*	NAD [1] (by NYS ELAP 198.1) by C. David Mintz on 02/16/10
Location:			
Analyst Description: White/ Brown, Heterogeneous, Non-Fibrous, Cementitious, Drywall			
Asbestos Types:			
Other Material: Cellulose 10 %, Non-fibrous 90 %			
618-TR-1132	110021310-02	*No*	NAD [1] (by NYS ELAP 198.1) by C. David Mintz on 02/16/10
Location:			
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
619-TR-1132	110021310-03	*No*	NAD [1] (by NYS ELAP 198.1) by C. David Mintz on 02/16/10
Location:			
Analyst Description: Lt. Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
620-TR-1132	110021310-04	*No*	NAD (by NYS ELAP 198.1) by C. David Mintz on 02/16/10
Location:			
Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 30 %, Fibrous glass 5 %, Non-fibrous 65 %			
Comment: Gray Paint Covers Top Surface			

See Reporting notes on last page

PLM Bulk Asbestos Report

7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
621-TR-146A **Location:**	110021310-05	***No***	NAD [2] (by NYS ELAP 198.1) by C. David Mintz on 02/16/10
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 % **Comment:** Sample Exhausted			
622-TR-146A **Location:**	110021310-06	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 02/16/10
Analyst Description: Pink, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
623-TR-146A **Location:**	110021310-07	***No***	NAD [2] (by NYS ELAP 198.1) by C. David Mintz on 02/16/10
Analyst Description: Pink, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 % **Comment:** Sample Exhausted			
624-TR-146A **Location:**	110021310-08	***No***	NAD (by NYS ELAP 198.6) by C. David Mintz on 02/16/10
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Acid Sensitive 60.1 %, Heat Sensitive 36.2 %, Non-fibrous 3.7 %			

Reporting Notes:

(1) Sample homogenized by grinding to a powder prior to analysis.

(2) Insufficient material submitted for accurate quantitation during PLM analysis (no QC possible).

Analyzed by: C. David Mintz CDMintz Date 2/16/10

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:_____

11002131U

HAWK ENGINEERING, P.C.

CHAIN OF CUSTODY

TECHNICIAN: JOHN MUNIAK	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.01 DATE: 2/12/10	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
617-TR-1132A		✓		✓									
618-TR-1132		✓		✓									
619-TR-1132		✓		✓									
620-TR-1132		✓		✓									
621-TR-146A		✓		✓									
622-TR-146A		✓		✓									
623-TR-146A		✓		✓									
624-TR-146A		✓	✓	✓	✓	✓							

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Muniak DATE: 2/12/10

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

PROVIDE RESULTS TO HAWK
5 DAY TURNAROUND
BY: / / am pm
• FAX # (607) 584-0139

COMMENTS:

RECEIVED
FEB 16 2010
By

Binghamton, New York 1-607-584-0140

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 02/22/10 **AmeriSci Job #** 110021489
Date Examined 02/22/10 **P.O. #**
ELAP # 10984 **Page** 1 **of** 1
RE: 7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
625-TR-1128	110021489-01	*No*	NAD (by NYS ELAP 198.1) by David W. Ralbovsky on 02/22/10
Location:			
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
626-TR-1128	110021489-02	*No*	NAD (by NYS ELAP 198.1) by David W. Ralbovsky on 02/22/10
Location:			
Analyst Description: Lt. Gray, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 40 %, Fibrous glass 55 %, Non-fibrous 5 %			
627-TR-146A	110021489-03	*No*	NAD (by NYS ELAP 198.1) by David W. Ralbovsky on 02/22/10
Location:			
Analyst Description: Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

Reporting Notes:
Analyzed by: David W. Ralbovsky Date 2/22/10
*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984), CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
Reviewed By:

110021489

CHAIN OF CUSTODY

HAWK ENGINEERING, P.C.

TECHNICIAN: JOHN MUNIAK	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.01 DATE: 2/19/10	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
625-TR-1128		✓		✓									
626-TR-1128		✓		✓									
627-TR-146A		✓		✓									

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Munniak DATE: 2/19/18

PROVIDE RESULTS TO HAWK
5 DAY TURNAROUND
BY: / / am pm

- FAX # (607) 584-0139

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

COMMENTS:

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Binghamton, New York 1-607-584-0140

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AmeriSci Richmond
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PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 09/24/10 **AmeriSci Job #** 110091758
Date Examined 09/29/10 **P.O. #**
ELAP # 10984 **Page** 1 **of** 4
RE: 7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
131-TR-B001 **Location:**	110091758-01	***No***	NAD [1] (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 3 %, Non-fibrous 97 %			
132-TR-B001 **Location:**	110091758-02	***No***	NAD [1] (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 4 %, Fibrous glass 1 %, Non-fibrous 95 %			
133-TR-B001 **Location:**	110091758-03	***Yes***	36.4 % (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 36.4 % **Other Material:** Fibrous glass Trace, Non-fibrous 63.6 %			
134-TR-B001 **Location:**	110091758-04	***Yes***	50 % (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Tan, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 50.0 % **Other Material:** Non-fibrous 50 %			
135-TR-B001 **Location:**	110091758-05	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 8 %, Non-fibrous 92 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
136-TR-B001 **Location:**	110091758-06	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 4 %, Fibrous glass 1 %, Non-fibrous 95 %			
137-TR-B001 **Location:**	110091758-07	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Lt. Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 8 %, Non-fibrous 92 %			
138-TR-B004 **Location:**	110091758-08	***Yes***	2.1 % (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 2.1 % **Other Material:** Fibrous glass 5 %, Non-fibrous 92.9 %			
139-TR-B004 **Location:**	110091758-09	***Yes***	Trace (<1 %) (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off-White - Lt Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Amosite <1 % pc **Other Material:** Fibrous glass 8 %, Non-fibrous 91.1 %			
140-TR-B004 **Location:**	110091758-10	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 10 %, Non-fibrous 90 %			
141-TR-B005 **Location:**	110091758-11	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 35 %, Non-fibrous 65 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
142-TR-B005 **Location:**	110091758-12	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 50 %, Non-fibrous 50 %			
143-TR-B005 **Location:**	110091758-13	***Yes***	Trace (<1 %) (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile <1 % pc **Other Material:** Fibrous glass Trace, Non-fibrous 99.4 %			
144-TR-B006 **Location:**	110091758-14	***No***	NAD (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Lt Tan, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 8 %, Non-fibrous 92 %			
145-TR-B006 **Location:**	110091758-15	***Yes***	Trace (<1 %) (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Lt. Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Amosite <1 % pc **Other Material:** Fibrous glass 10 %, Non-fibrous 89.1 %			
146-TR-B006 **Location:**	110091758-16	***Yes***	3.3 % (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 3.3 % **Other Material:** Fibrous glass 6 %, Non-fibrous 90.7 %			
147-TR-B006 **Location:**	110091758-17	***Yes***	26.7 % (by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White - Beige, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 26.7 % **Other Material:** Fibrous glass 10 %, Non-fibrous 63.3 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
148-TR-B006	110091758-18	*Yes*	1.3 %
Location:			(by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types: Amosite 1.3 %			
Other Material: Fibrous glass 8 %, Non-fibrous 90.7 %			
149-TR-B006	110091758-19	*Yes*	11.4 %
Location:			(by NYS ELAP 198.1) by C. David Mintz on 09/29/10
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 11.4 %			
Other Material: Fibrous glass 7 %, Non-fibrous 81.6 %			

Reporting Notes:

(1) Sample homogenized by grinding to a powder prior to analysis.

Analyzed by: C. David Mintz _____ Date 9/29/10

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

HAWK ENGINEERING, P.C.

CHAIN OF CUSTODY

110091758

TECHNICIAN: T. MARBLE	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.01 DATE: 9/23/10	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3
131-TR-B001		X		X			141-TR-B005						
132-TR-B001		X		X			142-TR-B005						
133-TR-B001		X		X			143-TR-B005						
134-TR-B001		X		X			144-TR-B006						
135-TR-B001		X		X			145-TR-B006						
136-TR-B001		X		X			146-TR-B006						
137-TR-B001		X		X			147-TR-B006						
138-TR-B004		X		X			148-TR-B006						
139-TR-B004		X		X			149-TR-B006						
140-TR-B004		X		X									

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis | [2] ELAP 198.1 Organic Non-friable | [3] ELAP 198.4 TEM Confirmation

SEALED BY: [signature] DATE: 9/23/10

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

COMMENTS:

PROVIDE RESULTS TO HAWK BY: 5 DAY am pm

- FAX # (607) 584-0139

RECEIVED SEP 24 2010 By

Binghamton, New York 1-607-584-0140

AmeriSci Job #: **110101059**

Client Name: Hawk Engineering, P.C.

Table I
Summary of Bulk Asbestos Analysis Results
7059.01; Theodore Roosevelt

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	150-TR-1174		---	---	---	---	Chrysotile 13.5	NA
Location:								
02	151-TR-1107		---	---	---	---	Chrysotile 20.0	NA
Location:								
03	152-TR-1112		---	---	---	---	Amosite 0.5	NA
Location:								
04	153-TR-1112		---	---	---	---	Amosite <1	NA
Location:								
05	154-TR-1184		0.288	20.4	62.1	17.5	Chrysotile 0.4	Chrysotile Trace
Location:								
06	155-TR-1132B		---	---	---	---	Chrysotile 17.5	NA
Location:								
07	156-TR-1128		---	---	---	---	NAD	NA
Location:								
08	157-TR-1128A		---	---	---	---	Amosite 0.8	NA
Location:								
09	158-TR-1132A		---	---	---	---	NAD	NA
Location:								

Reviewed by: _____ Date Reviewed: _____ Analyzed By: Jean L. Mayes _____ Date Analyzed: 10/6/2010

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%;
PLM analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples (198.6 for NOB samples) (NY ELAP Lab # 10984);
TEM analysis by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984);

** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 10/04/10 **AmeriSci Job #** 110101059
Date Examined 10/06/10 **P.O. #**
ELAP # 10984 **Page** 1 **of** 2
RE: 7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
150-TR-1174 **Location:**	110101059-01	*Yes*	13.5 % (by NYS ELAP 198.1) by David W. Ralbovsky on 10/06/10
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 13.5 % **Other Material:** Non-Asbestos 86.5 %			
151-TR-1107 **Location:**	110101059-02	*Yes*	20 % (by NYS ELAP 198.1) by David W. Ralbovsky on 10/06/10
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 20.0 % **Other Material:** Non-Asbestos 80 %			
152-TR-1112 **Location:**	110101059-03	*Yes*	0.5 % (ELAP 198.1; 400pc) by David W. Ralbovsky on 10/06/10
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Amosite 0.5 % **Other Material:** Non-Asbestos 99.5 %			
153-TR-1112 **Location:**	110101059-04	*Yes*	Trace (<1 %) (by NYS ELAP 198.1) by David W. Ralbovsky on 10/06/10
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Amosite <1 % pc **Other Material:** Non-Asbestos 100 %			
154-TR-1184 **Location:**	110101059-05	*Yes*	0.4 % (ELAP 198.6; 400pc) by David W. Ralbovsky on 10/06/10
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 0.4 % **Other Material:** Non-Asbestos 17.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

7059.01; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
155-TR-1132B **Location:**	110101059-06	***Yes***	17.5 % (by NYS ELAP 198.1) by David W. Ralbovsky on 10/06/10
Analyst Description: Beige/Tan, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 17.5 % **Other Material:** Non-Asbestos 82.5 %			
156-TR-1128 **Location:**	110101059-07	***No***	NAD (by NYS ELAP 198.1) by David W. Ralbovsky on 10/06/10
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 50 %, Fibrous glass 45 %, Non-fibrous 5 %			
157-TR-1128A **Location:**	110101059-08	***Yes***	0.8 % (ELAP 198.1; 400pc) by David W. Ralbovsky on 10/06/10
Analyst Description: Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** Amosite 0.8 % **Other Material:** Non-Asbestos 99.3 %			
158-TR-1132A **Location:**	110101059-09	***No***	NAD (by NYS ELAP 198.1) by David W. Ralbovsky on 10/06/10
Analyst Description: Lt. Gray, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-Asbestos 100 %			

Reporting Notes:

Analyzed by: David W. Ralbovsky Date 10/6/10

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:

CHAIN OF CUSTODY

110101059

HAWK ENGINEERING, P.C.

TECHNICIAN: T. MARBLE	LABORATORY: AmeriSci Richmond, 13635 Genito Road, Midlothian, VA 23112, (804) 763 - 1200, NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 7059.01 DATE: 9/29/10	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
150-TR-1174		X		X									
151-TR-1107		X		X									
152-TR-1112		X		X									
153-TR-1112		X		X									
154-TR-1184		X	X	X	X	X							
155-TR-1132B		X		X									
156-TR-1128		X		X									
157-TR-1128A		X		X									
158-TR-1132A		X		X									

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: [signature] DATE: 9/30/10

PROVIDE RESULTS TO HAWK BY: 5 DAY am pm

- FAX # (607) 584-0139

LAB SIGNATURE: DATE:

RECEIVED BY: DATE:

COMMENTS:

RECEIVED OCT 04 2010 By

Binghamton, New York 1-607-584-0140

APPENDIX B

BULK SAMPLE INFORMATION FROM JENNINGS ENVIRONEMNTAL MANAGEMENT, INC.

**ASBESTOS SAMPLING/TESTING REPORT –
THEODORE ROOSEVELT**

EXECUTIVE SUMMARY, Page 4

- NYS Department of Health Environmental Laboratories Accreditation Program (ELAP) requiring non-friable organically bound (NOB) materials to be analyzed by Transmission Electron Microscopy (TEM) for asbestos content.
- Applicable rules, regulations, guidelines and their interpretations of specifically listed above noted, and of NIST NVLAP, AIHA, NYSDEC, NIOSH, NYSDOH, NYSDOL, NYSDOT and NESHAPS, current as of date of this final Report.

FINDINGS:

The following materials were determined to be asbestos-containing materials (ACM's), as sampled by JENNINGS and determined by laboratory testing (please refer to Logs for specifics of sampling/testing).

FIRST FLOOR (ORIGINAL 1969 SECTION):

Removed

Gymnasium, Mastic of 4' x 4' Tectum Acoustical Wall Panel, Sample # TR-A-010, 13.5% Chrysotile.

SECOND FLOOR (ORIGINAL 1969 SECTION):

Removed

Exterior, Black Caulk @ Window Frame (Metal to Metal), Sample # TR-A-001, 21.8 % Chrysotile.

The following materials (not sampled/tested by JENNINGS as part of this limited sampling/testing Report) were determined to be asbestos-containing materials (ACM's), (i.e. Initial or Triennial AHERA's, other past sampling/testing Reports). Note: Some tested materials may have been abated by Owner previous to date of this Report. Please contact School Officials and review pertinent documentation relating to specific projects to determine if materials noted hereinafter have been removed by Owner previous to date of this Report. Refer to all documents noted in parentheses for specifics of sampling/testing.

ORIGINAL 1969 BUILDING:

1. "Room 106, Vinyl 12" x 12" Tan Floor Tile with Brown Streaks" (AHERA Report).
2. "1st Floor, Light Green Linoleum with Crushed Stone Pattern" (AHERA Report).
3. "2nd & 3rd Floors, Light Tan Linoleum with Crushed Stone Pattern" (AHERA Report).
4. "Throughout Building, Fireproofing" (AHERA Report).
5. "1st Floor, Transite Overhang, Assumed" Note: Visual inspections by JENNINGS found this material is located at all Exterior Soffits and not at "1st Floor". Furthermore, AHERA Reports were intended to address only interior Building components and not exterior materials. Binghamton City School District requested the Initial AHERA Consultant (Hall-Kimbrell/PSI).
6. "Roof Flashing", Top Layer (JENNINGS Report, dated February 2000).

**ASBESTOS SAMPLING/TESTING REPORT –
THEODORE ROOSEVELT**

EXECUTIVE SUMMARY, Page 5

The following materials, if present, shall be assumed to contain asbestos and/or be assumed to be asbestos-contaminated, unless otherwise sampled/tested negative as part of this Report or of other sampling/testing reports.

1. Resilient Flooring/Mastics.
2. Cove Bases/Mastics.
3. Ceramic Floor & Wall Tiles/Grouts/Mastics.
4. Glazed Block Walls/Grouts/Mastics.
5. Wood Paneled Walls/Wainscots and their Mastics.
6. Built-in Furnishings/Equipment.
7. Carpet Mastics.
8. Concrete Floors/Walls.
9. Interior and Exterior Components of Mechanical Ductwork Systems.
10. Any Surfaces/Components in Mechanical/Boiler Rooms.
11. Roofing Systems, Components, Insulations and/or Bituminous Patches.
12. Exterior Building Components/Soils.
13. Furnishings/Equipment.
14. Supplies.
15. Internal Parts of Mechanical/Electrical Equipment (i.e., electrical wiring, gaskets, tapes, etc.).
16. Blackboards, Greenboards, Chalkboards, Displayboards Note: Existing Construction Drawings indicate asbestos-containing Chalkboards to be installed.
17. Countertops (i.e. formicas, etc.) and their Grouts/Mastics.
18. Suspended Ceiling Systems, particularly where there is known ACM finish and brown coat acoustical plasters.
19. Firedoors.
20. Caulks.
21. Soils/Debris at Crawl Spaces.
22. Any other Building components not intended to be abraded in the course of this renovation/alteration Project.

**ASBESTOS SAMPLING/TESTING REPORT –
THEODORE ROOSEVELT**

EXECUTIVE SUMMARY, Page 6

LIMITATIONS - Quoted Services and Fees were based upon:

1. Quantities, Conditions, Asbestos Project Design and Cost Estimates related to Asbestos Abatement Construction Work not being included in Consultant's Scope of Basic Services for this Report.
2. Minimum requirements of pertinent rules, regulations, guidelines and their interpretations with respect to type, number, location and testing methodology of samples/tests for asbestos content. Additional sampling/testing may be required if materials require penetration/abrasion and is not sampled/tested.
3. Materials being feasibly accessible. Materials could be discovered during subsequent renovation, alteration and/or demolition, including the assumption that ACM's maybe located behind and within walls, above ceilings and within pipe chases.
4. Note: Information that was collected from past sampling/testing reports by others. Interpretations regarding locations, quantities and actual ACM's may require further investigation, due to the lack of such information in such reports.
5. Numbers of sampling/testing of layers of Finish and Brown Coat Acoustical Plaster Surfacing Materials are based upon presumption that no than 3,000 SF will be abraded and that no more that 1,000 SF of the Finish and Brown Coat Hard Plasters at Walls and Ceilings will be abraded.
6. Materials scheduled for sampling/testing being based upon minimum requirements of applicable rules and regulations and not necessarily being based on professional judgement of Asbestos Inspectors, unless otherwise noted in Report.
7. Availability of architectural/engineering drawings for Existing, Renovation/Alterations and Addition Buildings was limited.
8. This Sampling/Testing Report is not to be construed as an Asbestos Project Design.

CONCLUSIONS:

1. Interpretations and explanations regarding specifics of "Findings" may require consultation by NYSDOL Certified Asbestos Project Designer and/or Asbestos Management Planner.
2. IMPORTANT: Records of asbestos sampling/testing results shall be kept in the School District Office and a copy shall be kept at each Building where sampling/testing was conducted.
3. Short-Term workers, such as telephone repair workers, electricians, roofers and plumbers must be informed of specific locations of presumed or known asbestos-containing materials in accordance with applicable OSHA regulations. This may be accomplished by distribution of copies of this sampling/testing report. Untested materials must be assumed to contain asbestos.

* * * *

Binghamton City School District
ASBESTOS & LEAD PROJECT MANAGEMENT
2001 Capital Projects
EM, WM, MAC, CC, TR & TJ Schools
JEM # 2205.BCSD

"ASBESTOS SAMPLING & SUMMARY OF TESTING LOGS"

R-A-TR-2205.BCSD

JENNINGS ENVIRONMENTAL MANAGEMENT, INC.
BOX 1009 • DUNDAFF VILLAGE • CARBONDALE, PA 18407
POST OFFICE BOX 831 • BINGHAMTON, NY 13902
(607) 722-7574

Binghamton City School District
ASBESTOS & LEAD PROJECT MANAGEMENT
2001 Capital Projects
EM, WM, MAC, CC, TJ & TR Schools
JEM # 2205.BCSD, AMA # 0051

THEODORE ROOSEVELT (TR)
ELEMENTARY SCHOOL

F - Friable
NOB - Non-Friable Organically Bound
PLM - Polarized Light Microscopy
TEM - Transmission Electron Microscopy
ND - None Detected
BF - Basement Floor 1F - First Floor
2F - Second Floor

NYSDOL Asbestos Building Inspector (s): Gerald Meyer & Matthew Taylor

Dates of Sampling: 21 & 29 March 2002

ASBESTOS SAMPLING & SUMMARY OF TESTING LOG

SAMPLE	BUILDING	LOCATION	MATERIAL	TYPE	METHOD	%	COMMENTS
TR-A-001	Original 1969 Section	2F Exterior	Black Caulk @ Window Frame (Metal to Metal)	NOB	TEM	21.8	POSITIVE CHRYSOTILE
TR-A-002	Original 1969 Section	2F Exterior	Tan Caulk @ Window Frame	NOB	TEM	ND	
TR-A-003	Original 1969 Section	2F Exterior	Gray Caulk @ Top of Flashing	NOB	TEM	ND	
TR-A-004	Original 1969 Section	Cafeteria	Concrete Block @ Wall	F	PLM	ND	
TR-A-005	Original 1969 Section	Cafeteria	Mortar of Concrete Block @ Wall	F	PLM	ND	
TR-A-006	Original 1969 Section	Cafeteria	8" x 16" Gray Ceramic Tile @ Wall	F	PLM	ND	
TR-A-007	Original 1969 Section	Cafeteria	Mortar of 8" x 16" Gray Ceramic Tile @ Wall	F	PLM	ND	
TR-A-008	Original 1969 Section	Cafeteria	Grout of 8" x 16" Gray Ceramic Tile @ Wall	F	PLM	ND	
TR-A-009	Original 1969 Section	Gymnasium	4' x 4' Tectum Acoustical Wall Panel	NOB	TEM	< 0.1	
TR-A-010	Original 1969 Section	Gymnasium	Mastic of 4' x 4' Tectum Acoustical Wall Panel	NOB	TEM	13.5	POSITIVE CHRYSOTILE
TR-A-011	Original 1969 Section	Gymnasium	Orange Vinyl Wall Covering/Adhesive @ Gym Separator Wall	NOB	TEM	ND	

SAMPLE	BUILDING	LOCATION	MATERIAL	TYPE	METHOD	%	COMMENTS
TR-A-012	Original 1969 Section	Gymnasium	Composite Board (with Orange Vinyl Wall Covering/Adhesive @ Gym Separator Wall)	NOB	TEM	ND	
TR-A-013	Original 1969 Section	Gymnasium	Finish Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-014	Original 1969 Section	Gymnasium	Brown Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-015	Original 1969 Section	Gymnasium	Finish Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-016	Original 1969 Section	Gymnasium	Brown Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-017	Original 1969 Section	Library	Finish Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-018	Original 1969 Section	Library	Brown Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-019	Original 1969 Section	Cafetorium	Finish Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-020	Original 1969 Section	Cafetorium	Brown Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-021	Original 1969 Section	Cafetorium	Finish Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-022	Original 1969 Section	Cafetorium	Brown Coat of Acoustical Plaster @ Soffit	F	PLM	ND	
TR-A-023	Original 1969 Section	1F Music Room 117	Finish Coat of Hard Plaster @ Wall	F	PLM	ND	
TR-A-024	Original 1969 Section	1F Music Room 117	Brown Coat of Hard Plaster @ Wall	F	PLM	ND	
TR-A-025	Original 1969 Section	Wash Room (Between Room 143 & Room 146)	Finish Coat of Hard Plaster @ Ceiling	F	PLM	ND	
TR-A-026	Original 1969 Section	Wash Room (Between Room 143 & Room 146)	Brown Coat of Hard Plaster @ Ceiling	F	PLM	ND	
TR-A-027	Original 1969 Section	1F Nurses's Office Room 151	Drywall	F	PLM	ND	

SAMPLE	BUILDING	LOCATION	MATERIAL	TYPE	METHOD	%	COMMENTS
TR-A-028	Original 1969 Section	1F Nurses's Office Room 151	Drywall Tape	F	PLM	ND	
TR-A-029	Original 1969 Section	1F Nurses's Office Room 151	Drywall Joint Compound	F	TEM	ND	
TR-A-030	Original 1969 Section	1F Nurses's Office Room 151	Tan Wall Covering/Adhesive @ Entrance	NOB	TEM	ND	
TR-A-031	Original 1969 Section	Lobby	Brown Brick @ Wall	F	PLM	ND	
TR-A-032	Original 1969 Section	Lobby	Mortar of Brick @ Wall	F	PLM	ND	
TR-A-033	Original 1969 Section	1F Principle Office	Wood Grain Wall Covering/Adhesive	NOB	TEM	ND	
TR-A-034	Original 1969 Section	1F Main Office	Wood Grain Wall Covering/Adhesive (Ash Color)	NOB	TEM	ND	
TR-A-035	Original 1969 Section	1F Teacher Lounge	Tan Wall Covering/Adhesive	NOB	TEM	ND	
TR-A-036	Original 1969 Section	1F Stair Well (Southwest)	Cream Wall Covering/Adhesive	NOB	TEM	ND	
TR-A-037	Original 1969 Section	2F Boy's Bathroom Room 208	Medium Green Laminated Bathroom Partition/Adhesive	NOB	TEM	ND	
TR-A-038	Original 1969 Section	2F Boy's Bathroom Room 208	Light Green Laminated Bathroom Partition/Adhesive	NOB	TEM	ND	
TR-A-039	Original 1969 Section	2F Boy's Bathroom Room 208	1" x 2" Green/White Ceramic Wall Tile	F	PLM	ND	
TR-A-040	Original 1969 Section	2F Boy's Bathroom Room 208	Mastic of 1" x 2" Green/White Ceramic Wall Tile	NOB	TEM	ND	
TR-A-041	Original 1969 Section	2F Boy's Bathroom Room 208	Grout of 1" x 2" Green/White Ceramic Wall Tile	F	PLM	ND	
TR-A-042	Original 1969 Section	2F Boy's Bathroom Room 208	1" x 1" Green/Gray Ceramic Floor Tile	F	PLM	ND	
TR-A-043	Original 1969 Section	2F Boy's Bathroom Room 208	Grout of 1" x 1" Green/Gray Ceramic Floor Tile	F	PLM	ND	
TR-A-044	Original 1969 Section	2F Stair Well (North)	Finish Coat of Hard Plaster @ Ceiling	F	PLM	ND	

SAMPLE	BUILDING	LOCATION	MATERIAL	TYPE	METHOD	%	COMMENTS
TR-A-045	Original 1969 Section	2F Stair Well (North)	Brown Coat of Hard Plaster @ Ceiling	F	PLM	ND	
TR-A-046	Original 1969 Section	2F Stair Well (North)	Finish Coat of Hard Plaster @ Wall	F	PLM	ND	
TR-A-047	Original 1969 Section	2F Stair Well (North)	Brown Coat of Hard Plaster @ Wall	F	PLM	ND	
TR-A-048	Original 1969 Section	2F Stair Well (South)	Finish Coat of Hard Plaster @ Ceiling	F	PLM	ND	
TR-A-049	Original 1969 Section	2F Stair Well (South)	Brown Coat of Hard Plaster @ Ceiling	F	PLM	ND	
TR-A-050	Original 1969 Section	Exterior	Tan Brick	F	PLM	ND	
TR-A-051	Original 1969 Section	Exterior	Mortar of Tan Brick	F	PLM	ND	

NYSDOL Asbestos Building Inspector Signature: _____

NYSDOL Certification Number: AH-93-11118

NYSDOL Asbestos Building Inspector Signature: Matthew Taylor

NYSDOL Certification Number: AH-01-17577

Binghamton City School District
ASBESTOS & LEAD PROJECT MANAGEMENT
2001 Capital Projects
EM, WM, MAC, CC, TR & TJ Schools
JEM # 2205.BCSD

LABORATORY'S "BULK SAMPLE RESULT" - PLM' S

Eastern Analytical Services, Inc.

Bulk Sample Results

RE: CPN 2205.BCSD - Binghamton City School District - Asbestos & Lead Project Management - 2001 Capital Projects - Theodore Roosevelt Elem. School

Date Collected : 03/21,29/2002
Collected By : G.M./M.T.
Date Received : 03/25-04/02/2002
Date Analyzed : 03/29-04/04/2002
Analyzed By : Damien Warner/Robert Connor/Kevin Stascavage
Signature :
Analytical Method : EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client: Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-004	TR-A-005	TR-A-006	TR-A-007
Layer Number					
Lab ID Number		958831	958832	958833	958834
Sample Location		Original 1969 Section - Cafeteria	Original 1969 Section - Cafeteria	Original 1969 Section - Cafeteria	Original 1969 Section - Cafeteria
Sample Description		Concrete Block @ Wall	Mortar of Concrete Block @ Wall	8" x 16" Gray Ceramic Tile @ Wall	Mortar of 8" x 16" Gray Ceramic Tile @ Wall
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	Yes	No	Yes	No
	Homogenous	No	Yes	No	No
	Fibrous	No	No	No	No
	Color	White/Gray	Gray	White/Tan/Black	Tan/Gray
Sample Treatment		Homogenized	None	Homogenized	Homogenized
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	0.0	0.0	0.0
	% Cellulose	< 1.0	0.0	< 1.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	35.0	20.0	40.0	40.0
	% Carbonates	45.0	60.0	5.0	45.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	20.0	20.0	55.0	15.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
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AIHA Accreditation No. 418 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

Eastern Analytical Services, Inc.

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NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client: Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-008	TR-A-013	TR-A-014	TR-A-015
Layer Number					
Lab ID Number		958835	958836	958837	958838
Sample Location		Original 1969 Section - Cafeteria	Original 1969 Section - Gymnasium	Original 1969 Section - Gymnasium	Original 1969 Section - Gymnasium
Sample Description		Grout of 8" x 16" Gray Ceramic Tile @ Wall	Finish Coat of Acoustical Plaster @ Soffit	Brown Coat of Acoustical Plaster @ Soffit	Finish Coat of Acoustical Plaster @ Soffit
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	Yes	No	Yes
	Color	Gray	Beige	Gray	Beige
Sample Treatment		None	None	None	None
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	50.0	10.0	55.0
	% Cellulose	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	30.0	5.0	55.0	10.0
	% Carbonates	60.0	45.0	35.0	35.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	10.0	0.0	0.0	0.0

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Analyzed By : Damien Warner/Robert Connor/Kevin Stascavage
Signature :
Analytical Method : EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client: Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-016	TR-A-017	TR-A-018	TR-A-019
Layer Number					
Lab ID Number		958839	958840	958841	958842
Sample Location		Original 1969 Section - Gymnasium	Original 1969 Section - Library	Original 1969 Section - Library	Original 1969 Section - Cafetorium
Sample Description		Brown Coat of Acoustical Plaster @ Soffit	Finish Coat of Acoustical Plaster @ Soffit	Brown Coat of Acoustical Plaster @ Soffit	Finish Coat of Acoustical Plaster @ Soffit
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	No
	Homogenous	No	Yes	Yes	Yes
	Fibrous	Yes	Yes	No	Yes
	Color	Beige/Gray	Beige	Gray	Beige
Sample Treatment		Homogenized	None	None	None
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	30.0	55.0	5.0	45.0
	% Cellulose	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	40.0	10.0	65.0	10.0
	% Carbonates	25.0	35.0	30.0	45.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	5.0	0.0	0.0	0.0

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Collected By: G.M./M.T.
Date Received: 03/25-04/02/2002
Date Analyzed: 03/29-04/04/2002
Analyzed By: Damien Warner/Robert Connor/Kevin Stascavage
Signature:
Analytical Method: EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Sample ID Number		TR-A-020	TR-A-021	TR-A-022	TR-A-023
Layer Number					
Lab ID Number		958843	958844	958845	958846
Sample Location		Original 1969 Section - Cafetorium	Original 1969 Section - Cafetorium	Original 1969 Section - Cafetorium	Original 1969 Section - 1F Music Room 117
Sample Description		Brown Coat of Acoustical Plaster @ Soffit	Finish Coat of Acoustical Plaster @ Soffit	Brown Coat of Acoustical Plaster @ Soffit	Finish Coat of Hard Plaster @ Wall
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	Yes
	Fibrous	No	Yes	No	No
	Color	Gray	Beige	Gray	White
Sample Treatment		None	None	None	None
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	5.0	50.0	2.0	< 1.0
	% Cellulose	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	60.0	15.0	58.0	55.0
	% Carbonates	35.0	35.0	40.0	10.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	35.0

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Date Analyzed : 03/29-04/04/2002
Analyzed By : Damien Warner/Robert Connor/Kevin Stascavage
Signature :
Analytical Method : EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Sample ID Number		TR-A-024	TR-A-025	TR-A-026	TR-A-027
Layer Number					
Lab ID Number		958847	958848	958849	958850
Sample Location		Original 1969 Section - 1F Music Room 117	Original 1969 Section - Wash Room (Between Room 143 & Room 146)	Original 1969 Section - Wash Room (Between Room 143 & Room 146)	Original 1969 Section - 1F Nurses's Office Room 151
Sample Description		Brown Coat of Hard Plaster @ Wall	Finish Coat of Hard Plaster @ Ceiling	Brown Coat of Hard Plaster @ Ceiling	Drywall
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	Yes	No	Yes
	Homogenous	Yes	No	Yes	No
	Fibrous	No	No	Yes	Yes
	Color	Gray	White/Gray	Gray	Gray/Brown/Beige
Sample Treatment		None	Homogenized	None	Homogenized
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	0.0	0.0	0.0
	% Cellulose	0.0	0.0	20.0	35.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	50.0	35.0	45.0	40.0
	% Carbonates	40.0	65.0	35.0	20.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	10.0	0.0	0.0	5.0

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Analyzed By : Damien Warner/Robert Connor/Kevin Stascavage
Signature :
Analytical Method : EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client: Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-028	TR-A-031	TR-A-032	TR-A-039
Layer Number					
Lab ID Number		958851	958852	958853	958854
Sample Location		Original 1969 Section - 1F Nurses's Office Room 151	Original 1969 Section - Lobby	Original 1969 Section - Lobby	Original 1969 Section - 2F Boy's Bathroom Room 208
Sample Description		Drywall Tape	Brown Brick @ Wall	Mortar of Brick @ Wall	1" x 2" Green/White Ceramic Wall Tile
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	Yes
	Homogenous	Yes	Yes	Yes	No
	Fibrous	Yes	No	No	No
	Color	White	Brown	Gray	Green/Tan
Sample Treatment		None	None	None	Homogenized
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	0.0	0.0	0.0
	% Cellulose	90.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	0.0	55.0	30.0	35.0
	% Carbonates	10.0	5.0	65.0	5.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	40.0	5.0	60.0

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Analyzed By : Damien Warner/Robert Connor/Kevin Stascavage
Signature :
Analytical Method : EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Sample ID Number		TR-A-041	TR-A-042	TR-A-043	TR-A-044
Layer Number					
Lab ID Number		958855	958856	958857	959939
Sample Location		Original 1969 Section - 2F Boy's Bathroom Room 208	Original 1969 Section - 2F Boy's Bathroom Room 208	Original 1969 Section - 2F Boy's Bathroom Room 208	Original 1969 Section - 2F Stair Well (North)
Sample Description		Grout of 1" x 2" Green/White Ceramic Wall Tile	1" x 1" Green/Gray Ceramic Floor Tile	Grout of 1" x 1" Green/Gray Ceramic Floor Tile	Finish Coat of Hard Plaster @ Ceiling
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	No	No
	Fibrous	No	No	Yes	No
	Color	Brown	Green	White/Tan	White/Gray
Sample Treatment		None	None	Homogenized	Homogenized
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	0.0	0.0	0.0
	% Cellulose	0.0	0.0	10.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	30.0	45.0	30.0	85.0
	% Carbonates	45.0	5.0	50.0	5.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	25.0	50.0	10.0	10.0

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Signature :
Analytical Method : EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Sample ID Number		TR-A-045	TR-A-046	TR-A-047	TR-A-048
Layer Number					
Lab ID Number		959940	960548	960549	960550
Sample Location		Original 1969 Section - 2F Stair Well (North)	Original 1969 Section - 2F Stair Well (North)	Original 1969 Section - 2F Stair Well (North)	Original 1969 Section - 2F Stair Well (South)
Sample Description		Brown Coat of Hard Plaster @ Ceiling	Finish Coat of Hard Plaster @ Wall	Brown Coat of Hard Plaster @ Wall	Finish Coat of Hard Plaster @ Ceiling
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	Yes	No	No
	Homogenous	Yes	No	Yes	No
	Fibrous	No	No	No	No
	Color	Gray	White/Beige/Gray	Gray	White/Beige/Gray
Sample Treatment		None	Homogenized	None	Homogenized
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	0.0	0.0	0.0
	% Cellulose	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	95.0	80.0	90.0	85.0
	% Carbonates	5.0	5.0	10.0	5.0
	% Other	0.0	0.0	0.0	0.0
	% Unidentified	0.0	15.0	0.0	10.0

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Analyzed By : Damien Warner/Robert Connor/Kevin Stascavage
Signature :
Analytical Method : EPA-600/M4-82-020/NYS-DOH 198.1 (PLM)
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client: Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-049	TR-A-050	TR-A-051
Layer Number				
Lab ID Number		960551	960552	960553
Sample Location		Original 1969 Section - 2F Stair Well (South)	Original 1969 Section - Exterior	Original 1969 Section - Exterior
Sample Description		Brown Coat of Hard Plaster @ Ceiling	Tan Brick	Mortar of Tan Brick
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No
	Homogenous	Yes	Yes	Yes
	Fibrous	No	No	No
	Color	Gray	Brown	Gray
Sample Treatment		None	None	None
Asbestos Content	% Amosite	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0
	% Other	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	2.0	0.0	0.0
	% Cellulose	0.0	0.0	0.0
	% Other	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	93.0	80.0	75.0
	% Carbonates	5.0	0.0	20.0
	% Other	0.0	0.0	0.0
	% Unidentified	0.0	20.0	5.0

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Binghamton City School District
ASBESTOS & LEAD PROJECT MANAGEMENT
2001 Capital Projects
EM, WM, MAC, CC, TR & TJ Schools
JEM # 2205.BCSD

LABORATORY'S "BULK SAMPLE RESULTS" - TEM' S

R-A-TR-2205.BCSD

Eastern Analytical Services, Inc.

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RE: CPN 2205.BCSD - Binghamton City School District - Asbestos & Lead Project Management - 2001 Capital Projects - Theodore Roosevelt Elem. School

Date Collected : 03/21-29/2002
Collected By : G.M./M.T.
Date Received : 03/25/2002
Date Analyzed : 03/27/2002
Analyzed By : Moses Peram
Signature :
Analytical Method : NYS-DOH 198.4
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client: Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-001	TR-A-002	TR-A-003	TR-A-009
Layer Number					
Lab ID Number		958614	958615	958616	958617
Sample Location		Original 1969 Section - 2F Exterior	Original 1969 Section - 2F Exterior	Original 1969 Section - 2F Exterior	Original 1969 Section - Gymnasium
Sample Description		Black Caulk @ Window Frame (Metal to Metal)	Tan Caulk @ Window Frame	Gray Caulk @ Top of Flashing	4' x 4' Tectum Acoustical Wall Panel
Analytical Method		Tem	Tem	Tem	Tem
Appearance	Layered	No	No	No	No
	Homogenous	Yes	Yes	Yes	No
	Fibrous	No	No	No	Yes
	Color	Black	Tan	Gray	Gray/Tan
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	21.8	0.0	0.0	< 0.1
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	21.8	0.0	0.0	< 0.1
Other Materials Present	% Organic	40.1	47.7	74.7	23.7
	% Carbonates	28.7	47.8	11.9	71.9
	% Other Inorganic	9.4	4.5	13.4	4.4

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
Liability Limited To Cost Of Analysis.
AIHA Accreditation No. 418 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

Eastern Analytical Services, Inc.

Bulk Sample Results

RE: CPN 2205.BCSD - Binghamton City School District - Asbestos & Lead Project
Management - 2001 Capital Projects - Theodore Roosevelt Elem. School

Date Collected : 03/21-29/2002
Collected By : G.M./M.T.
Date Received : 03/25/2002
Date Analyzed : 03/27/2002
Analyzed By : Moses Peram
Signature :
Analytical Method : NYS-DOH 198.4
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-010	TR-A-011	TR-A-012	TR-A-029
Layer Number					
Lab ID Number		958618	958619	958620	958621
Sample Location		Original 1969 Section - Gymnasium	Original 1969 Section - Gymnasium	Original 1969 Section - Gymnasium	Original 1969 Section - 1F Nurses's Office Room 151
Sample Description		Mastic of 4' x 4' Tectum Acoustical Wall Panel	Orange Vinyl Wall Covering/Adhesive @ Gym Separator Wall	Composite Board (with Orange Vinyl Wall Covering/ Adhesive @ Gym Separator Wall)	Drywall Joint Compound
Analytical Method		Tem	Tem	Tem	Tem
Appearance	Layered	No	Yes	No	Yes
	Homogenous	Yes	No	Yes	No
	Fibrous	No	Yes	Yes	No
	Color	Gray	Orange/Tan/White	Tan	Beige/Tan
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	13.5	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	13.5	0.0	0.0	0.0
Other Materials Present	% Organic	62.4	88.4	99.3	6.3
	% Carbonates	15.2	1.2	0.6	61.9
	% Other Inorganic	8.9	10.4	0.1	31.8

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
Liability Limited To Cost Of Analysis.
AIHA Accreditation No. 418 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

Eastern Analytical Services, Inc.

Bulk Sample Results

RE: CPN 2205.BCSD - Binghamton City School District - Asbestos & Lead Project Management - 2001 Capital Projects - Theodore Roosevelt Elem. School

Date Collected : 03/21-29/2002
Collected By : G.M./M.T.
Date Received : 03/25/2002
Date Analyzed : 03/27/2002
Analyzed By : Moses Peram
Signature :
Analytical Method : NYS-DOH 198.4
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client: Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

Sample ID Number		TR-A-030	TR-A-033	TR-A-034	TR-A-035
Layer Number					
Lab ID Number		958622	958623	958624	958625
Sample Location		Original 1969 Section - 1F Nurses's Office Room 151	Original 1969 Section - 1F Principle Office	Original 1969 Section - 1F Main Office	Original 1969 Section - 1F Teacher Lounge
Sample Description		Tan Wall Covering/Adhesive @ Entrance	Wood Grain Wall Covering/Adhesive	Wood Grain Wall Covering/Adhesive (Ash Color)	Tan Wall Covering/Adhesive
Analytical Method		Tem	Tem	Tem	Tem
Appearance	Layered	No	Yes	Yes	Yes
	Homogenous	No	No	No	No
	Fibrous	Yes	Yes	Yes	Yes
	Color	White/Beige	Brown/White	White/Gray	White/Beige
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	72.1	80.8	78.4	80.8
	% Carbonates	15.4	13.0	8.6	8.0
	% Other Inorganic	12.5	6.2	13.0	11.2

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
Liability Limited To Cost Of Analysis.
AIHA Accreditation No. 418 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

Eastern Analytical Services, Inc.

Bulk Sample Results

RE: CPN 2205.BCSD - Binghamton City School District - Asbestos & Lead Project Management - 2001 Capital Projects - Theodore Roosevelt Elem. School

Date Collected : 03/21-29/2002
Collected By : G.M./M.T.
Date Received : 03/25/2002
Date Analyzed : 03/27/2002
Analyzed By : Moses Peram
Signature :
Analytical Method : NYS-DOH 198.4
NVLAP Lab No. 101646-0
NYS Lab No. 10851

Client Jennings Environmental Management, Inc.
PO Box 831
Binghamton, NY 13902

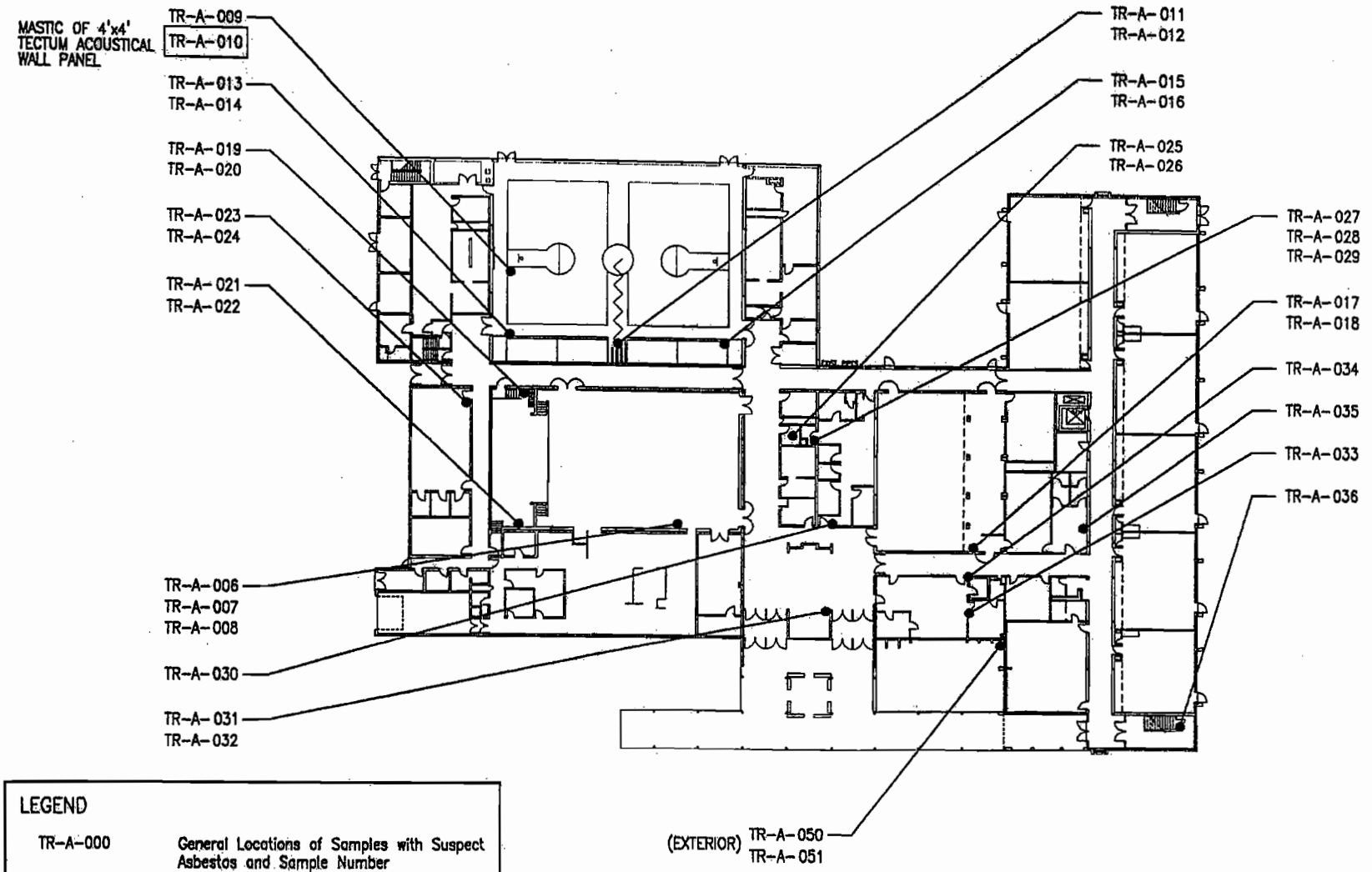
Sample ID Number		TR-A-036	TR-A-037	TR-A-038	TR-A-040
Layer Number					
Lab ID Number		958626	958627	958628	958629
Sample Location		Original 1969 Section - 1F Stair Well (Southwest)	Original 1969 Section - 2F Boy's Bathroom Room 208	Original 1969 Section - 2F Boy's Bathroom Room 208	Original 1969 Section - 2F Boy's Bathroom Room 208
Sample Description		Cream Wall Covering/Adhesive	Medium Green Laminated Bathroom Partition/Adhesive	Light Green Laminated Bathroom Partition/Adhesive	Mastic of 1" x 2" Green/White Ceramic Wall Tile
Analytical Method		Tem	Tem	Tem	Tem
Appearance	Layered	Yes	Yes	Yes	No
	Homogenous	No	No	No	Yes
	Fibrous	Yes	No	No	No
	Color	White/Beige	Green/Tan	Green/Brown	Tan
Asbestos Content	% Amosite	0.0	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Materials Present	% Organic	69.3	99.4	97.5	64.1
	% Carbonates	9.7	0.4	1.0	30.5
	% Other Inorganic	21.0	0.2	1.5	5.4

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
Liability Limited To Cost Of Analysis.
AIHA Accreditation No. 418 Rhode Island DOH No. AAL-072T3 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AAS-2095

Binghamton City School District
ASBESTOS & LEAD PROJECT MANAGEMENT
2001 Capital Projects
EM, WM, MAC, CC, TR & TJ Schools
JEM # 2205.BCSD

DRAWINGS WITH "GENERAL LOCATIONS OF SAMPLING AND OF POSITIVE ASBESTOS"

R-A-TR-2205.BCSD



LEGEND

TR-A-000	General Locations of Samples with Suspect Asbestos and Sample Number
TR-A-000	General Locations of Samples with Positive Asbestos and Sample Number

N

Binghamton City School District
ASBESTOS & LEAD PROJECT MANAGEMENT
(Limited Asbestos & Lead Project Bulk Sampling/Testing)
2001 Capital Projects
EM, WM, MAC, CC, TJ & TR Schools

ASBESTOS SAMPLING/TESTING

1st FLOOR

Theodore Roosevelt Elementary School

JEM# 2205.BCSD

JENNINGS ENVIRONMENTAL MANAGEMENT, INC.
BOX 1009 DUNDAFF VILLAGE CARBONDALE, PA 18407
POST OFFICE BOX 831 BINGHAMTON, NY 13902
(607) 722-7574

Dates of Sampling: March 21 & 27 2002

APPNENDIX C

LICENSE AND ACCREDITATIONS

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Hawk Engineering, P.C.

P. O. Box 427

Binghamton, NY 13902

FILE NUMBER: 02-0508
LICENSE NUMBER: 29268
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/24/2010
EXPIRATION DATE: 07/31/2011

Duly Authorized Representative – Charles T. Gaynor II

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



TIMOTHY W MARBLE
CLASS(EXPIRES)
C ATEC(06/11) D INSP(06/11)
H PM (06/11) I PD (06/11)

CERT# 90-03373
DMV# 238469986

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BLU
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

2010-2011

HAWK ENGINEERING, PC

ESTABLISHED 1988

BINGHAMTON CITY SCHOOL DISTRICT

NEW YORK STATE
AIR SAMPLE TECHNICIAN
ASBESTOS PROJECT MONITOR
ASBESTOS INSPECTOR
ASBESTOS DESIGNER
CERTIFICATION

ASBESTOS REVIEW

BINGHAMTON CITY SCHOOL DISTRICT
THEODORE ROOSEVELT ELEMENTARY SCHOOL
EXTERIOR SOFFIT
CITY OF BINGHAMTON
BROOME COUNTY, NEW YORK

PREPARED FOR:

BINGHAMTON CITY SCHOOL DISTRICT
10 ROBINSON STREET
BINGHAMTON, NEW YORK 13901

APRIL 2011

9041.15

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NEW YORK OFFICE:
PO Box 427
Binghamton, NY 13902
P: 607.584.0140
F: 607.584.0139

SHIPPING ADDRESS:
222 Water Street
Suite 201
Binghamton, NY 13901

PENNSYLVANIA OFFICE:
One Progress Plaza
Suite 12
Towanda, PA 18848
P: 570.265.5266
F: 570.265.6997

HAWK
ENGINEERING, PC

April 28, 2011

Mr. Mario Lisi
Binghamton City School District
10 Robinson Street
Binghamton, New York 13901

Re: Asbestos Review
Binghamton City School District
Theodore Roosevelt Elementary School – Exterior Soffit

Dear Mr. Lisi:

Hawk Engineering, p.c. (Hawk) performed an asbestos review of the Theodore Roosevelt Elementary School exterior soffit. Enclosed under this cover you will find the support documentation for the asbestos testing. Based on bulk sampling performed by Hawk, we have compiled a summary for the exterior soffit regarding the asbestos content of materials that may be impacted during soffit vent replacement.

Materials that were sampled by Hawk on April 21, 2011 and tested positive for asbestos include two samples of exterior soffit. Please see the Appendix for the bulk sample summary, drawing with sample locations and laboratory documentation. The NYS DOL requires at least two samples of each type of miscellaneous material to be analyzed before that material can be declared negative for asbestos.

The New York State Department of Labor and the United States Environmental Protection Agency have the responsibility for regulating asbestos containing materials, via the Industrial Code Rule #56 (ICR 56) and 40 CFR. With asbestos defined as a material containing greater than 1% asbestos, materials that may be impacted during the soffit vent replacement are regulated. Please incorporate this sample information and the laboratory results into the Binghamton City Schools District's Asbestos Management Plan.

Thank you for allowing Hawk to participate in your environmental projects. If you have any questions or require additional information, please feel free to call our office for immediate attention.

Sincerely,

John J. Muniak
Environmental Project Manager

Enclosure
Copy: Thomas Keenan
file 9041.15

M:\9041.15_Asbestos_Building_Review\bulk survey transmittal letter.doc

APPENDIX

THEODORE ROOSEVELT ELEMENTARY SCHOOL

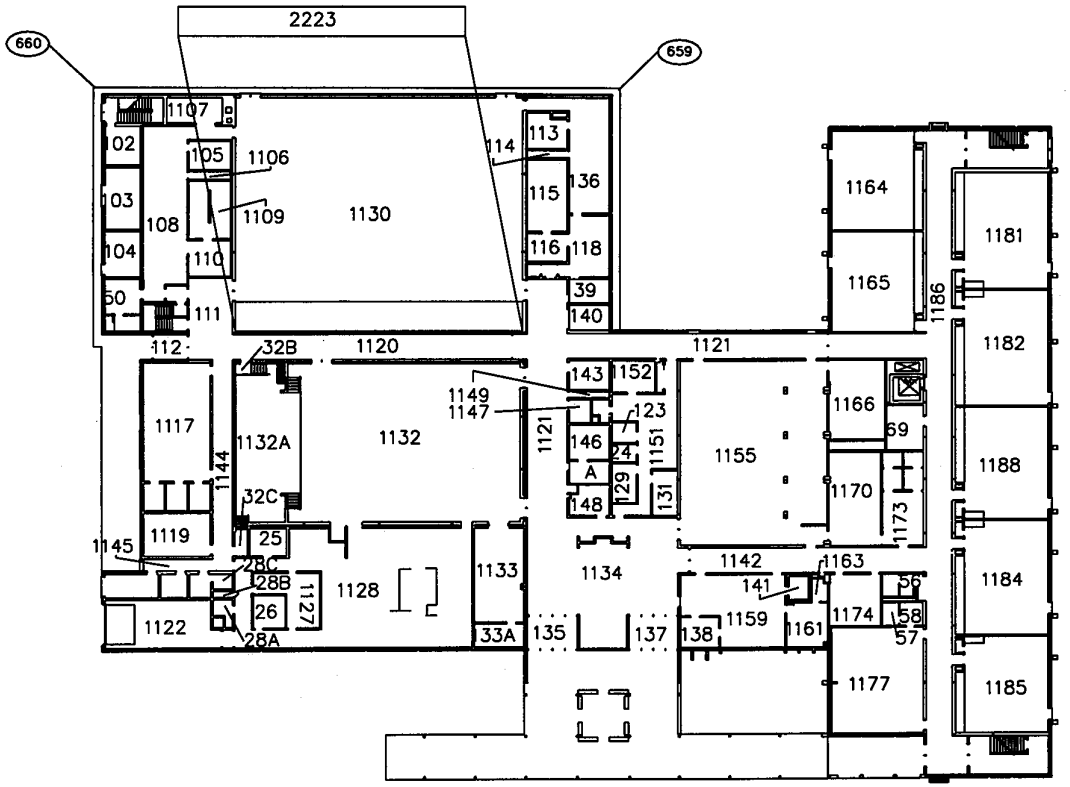
MISCELLANEOUS MATERIALS

Sample Code	Drawing ID	Color	Material Type	% Asbestos
659-TR-1136	659	LT GRAY	EXTERIOR SOFFIT	15.4
660-TR-1102	660	LT GRAY	EXTERIOR SOFFIT	16

NAD – NO ASBESTOS DETECTED
LT - LIGHT

LEGEND:

(XXX) Bulk Sample Locations



HAWK

ENGINEERING, pc

Binghamton, NY.

(607) 584-0140

- CIVIL ENGINEERING
- CONSTRUCTION COORDINATION
- ENVIRONMENTAL ENGINEERING
- GEOTECHNICAL ENGINEERING
- PLANNING

BINGHAMTON CSD

THEODORE ROOSEVELT ELEMENTARY SCHOOL

9 OGDEN STREET, BINGHAMTON, NY

REV NO.	DATE
1	
DATE:	4/28/11
PROJECT NO:	9041.05
CAD DWG FILE:	HA_TR_1034.DWG
DRAWN BY: TWM	CHECK BY: JM
DESIGN BY: JM	QA/QC BY:

DRAWING TITLE

THEODORE ROOSEVELT ELEMENTARY
LEVEL ONE

HA002

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ALL RIGHTS RESERVED
CADD DRAWING: DO NOT ALTER MANUALLY

AMERISCI

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Hawk Engineering, P.C.
Attn: John Muniak
222 Water Street

Binghamton, NY 13901

Date Received 04/25/11 **AmeriSci Job #** 111041662
Date Examined 04/26/11 **P.O. #**
ELAP # 10984 **Page** 1 **of** 1
RE: 1019.04; Theodore Roosevelt

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
659-TR-1136	111041662-01	***Yes***	15.4 % (by NYS ELAP 198.1) by C. David Mintz on 04/26/11
Location:			
Analyst Description: Lt Gray, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 15.4 % **Other Material:** Non-fibrous 84.6 %			
660-TR-1102	111041662-02	***Yes***	16 % (by NYS ELAP 198.1) by C. David Mintz on 04/26/11
Location:			
Analyst Description: Lt. Gray, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 16.0 % **Other Material:** Non-fibrous 84 %			

Reporting Notes:
Analyzed by: C. David Mintz C D Mintz Date 4/26/11
*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
Reviewed By:_____

111041662

CHAIN OF CUSTODY

HAWK ENGINEERING, P.C.

TECHNICIAN: John Munjak	**LABORATORY:** AmeriSci Richmond 13635 Genito Road Midlothian, VA 23112 (804) 763 - 1200 NVLAP: # 1904 ELAP: # 10984
PROJ. NO.: 1019.04 **DATE:** 4/22/11	
SPECIFIC WORK AREA: THEODORE ROOSEVELT	

SAMPLE I.D. NO.	PCM	PLM	TEM	1	2	3	SAMPLE I.D. NO.	PCM	PLM	TEM			
659-TR-1136		✓		✓									
660-TR-1102		✓		✓									

NOTE: [I] INSIDE, [O] OUTSIDE, [B] BLANK

[1] ELAP 198.1 Regular Analysis

[2] ELAP 198.1 Organic Non-friable

[3] ELAP 198.4 TEM Confirmation

SEALED BY: John Munjak **DATE:** 4/22/11

PROVIDE RESULTS TO HAWK
48 HOUR TURNAROUND
BY: / / **am pm**
- **FAX # (607) 584-0139**

LAB SIGNATURE: **DATE:**

RECEIVED BY: **DATE:**

RECEIVED APR 25 2011 By TJV

COMMENTS:

Binghamton, New York 1-607-584-0140

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

Hawk Engineering, P.C.

P. O. Box 427

Binghamton, NY 13902

FILE NUMBER: 02-0508
LICENSE NUMBER: 29268
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/24/2010
EXPIRATION DATE: 07/31/2011

Duly Authorized Representative – Charles T. Gaynor II:

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This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Maureen A. Cox, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (4-07)

CHURCHILL ENVIRONMENTAL, INC

Environmental, Health & Safety Consultants

639 N. Salina St., Syracuse, NY 13208
Phone: 315-428-1959 Fax: 315-428-0432
www.churchillenvironmental.com

Official Record of Successful Training Completion is the New York State Department of Health Certificate of Asbestos Safety Training Completion

HEREBY CERTIFIES THAT

John J. Muniak

HAS SUCCESSFULLY COMPLETED WITH A GRADE OF 92 %
A 4 HOUR TRAINING COURSE ENTITLED

Building Inspector Refresher

This training course complies with requirements set fourth by TSCA Title II and New York State Department of Health Title 10, Part 73.2

Course Date: 04/20/2011
Exam Date: 04/20/2011
Expiration Date: 04/20/2012
Certificate #: BIR – 70 - 0218

Thomas M. Gallauresi Jr.
Director of Environmental Training

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE



JOHN J MUNIAK
CLASS(EXPIRES)
C ATEC(02/11) D INSP(02/11)
H PM (02/11)

CERT# 96-11134
DMV# 393274959

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 6' 01"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

2010-2011

HAWK ENGINEERING, PC

ESTABLISHED 1986

1031.01

BINGHAMTON CSD

NEW YORK STATE
AIR SAMPLE TECHNICIAN
ASBESTOS PROJECT MONITOR
ASBESTOS INSPECTOR

CERTIFICATION

Report # 41
BRF - Checked WMS 101201
EAL - Checked TRE 12/2/10
LSF - Checked CBL 12/15/10,
HME 12/23/10
EAL - Checked EMS 12/21/10
LSF - ckd 2/14/11 MAE

10070.01

BINGHAMTON
CITY SCHOOL DISTRICT

EVALUATION STUDY FOR ASBESTOS MATERIALS

NOVEMBER 1982

PROJ. NO. 1482

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

BINGHAMTON CITY SCHOOL DISTRICT
EVALUATION STUDY FOR ASBESTOS MATERIALS
PROJECT NUMBER # 1482

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PREFACE
DISTRICT MAP
LABORATORY TEST RESULTS
US EPA TOXICS INFORMATION SERIES - ASBESTOS

3 MAINTENANCE FACILITY
10 Robinson Street

5 CHRISTOPHER COLUMBUS SCHOOL
164 Hawley Street

7 BENJAMIN FRANKLIN SCHOOL
262 Conklin Avenue

8 THOMAS JEFFERSON SCHOOL
151 Helen Street

10 HORACE MANN SCHOOL
31 College Street

11 THEODORE ROOSEVELT SCHOOL
10 Bevier Street

12 CALVIN COOLIDGE SCHOOL
261 Robinson Street

14 MAC ARTHUR SCHOOL
1123 Vestal Avenue

14A MAC ARTHUR SCHOOL, ANNEX
1123 Vestal Avenue

15 ALEXANDER HAMILTON SCHOOL
16 St. John Avenue

16 WOODROW WILSON SCHOOL
287 Prospect Street

17 EAST MIDDLE SCHOOL
160 Robinson Street

18 WEST MIDDLE SCHOOL
West Jr. Avenue

18A WEST MIDDLE SCHOOL,
PHYSICAL EDUCATION FACILITY
West Jr. Avenue

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

TABLE OF CONTENTS (CONT'D)

19C BINGHAMTON HIGH SCHOOL
31 Main Street

20 NORTH HIGH SCHOOL
167 E. Frederick Street

20A NORTH HIGH SCHOOL
PHYSICAL EDUCATION FACILITY
167 E. Frederick Street

21 CHESTER B. LORD SCHOOL
Riverside Drive

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD ▫ BINGHAMTON NY 13905 ▫ (607) 723-2114

BINGHAMTON CITY SCHOOL DISTRICT
EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT NUMBER # 1482

PREFACE

The purpose of this report is to assemble information regarding the presence of asbestos in building materials and the necessary data for completing a State Grant Application. The Comprehensive District-Wide Evaluation Study For Asbestos Materials pertains to the 18 Buildings indicated on the attached map of the Binghamton City School District.

Individual steps and procedures implemented for each Building were as follows:

1. Inspection of all Buildings which included:
   a. Familiarizing ourselves with each building, layout, construction finishes and mechanical systems - a necessary ingredient in subsequent analysis, assessments and recommendations.
   b. Identification of asbestos type materials, their location, physical condition, and degree of exposure.
   c. Collecting representative samples of suspected materials.
   d. Photographic survey of specific areas containing asbestos type materials.
2. Analysis, exposure assessments and corrective action recommendations. This group includes:
   a. Labeling, coding and logging of collected bulk samples in accordance with Environmental Protection Agency (EPA) guidelines.
   b. Forwarding all samples (with identification forms) to testing laboratory for Polarized Light Microscopy (PLM).
   c. Office review of all available data, drawings, inspection notes, photographs and laboratory test reports.
   d. Exposure assessment relative to areas involved, based on evaluation of eight factors:
      1) condition of material
      2) water damage (if any)
      3) degree of surface exposure
      4) accessibility
      5) activity and movement
      6) air plenum or direct air stream
      7) friability
      8) asbestos content (total % of all six types of commercially used asbestos found in the materials)

The estimates of construction costs have limitations that are inherent in any estimates. Those limitations are further compounded by the specific nature of the project. Asbestos abatement construction prices have a history of a substantial difference between bidders and depend on contractor's experience, specialized labor force and local conditions.

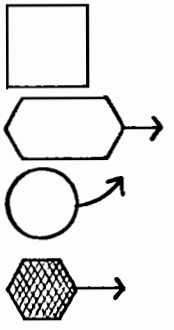
During actual bidding, several variable factors, i.e. unit costs, may be affected by the bidding "climate" and result in price proposals deviating to a various degree from the estimates of this report.

Based on our past experiences, we expect to discover some additional locations of asbestos suspected materials during further development of the Project. It may lead to some expansion of the scope of work.

Consequently, we have somewhat increased the quantities and Project Costs in the Grant Application. The Total Project Cost in the Grant Application also includes incidental expenses of the Project, i.e. professional fees, District cost of laboratory tests, legal costs and Clerk of the Works.

Note: Our prime recommendations concur with the Owner's expressed intention to eliminate the asbestos problem through removal of its source (asbestos insulations and fireproofing) and to incorporate incidental energy conserving measures. Alternates represent reduction of costs by changing and/or constraining the scope of work.

LEGEND TO DRAWINGS



Building Number

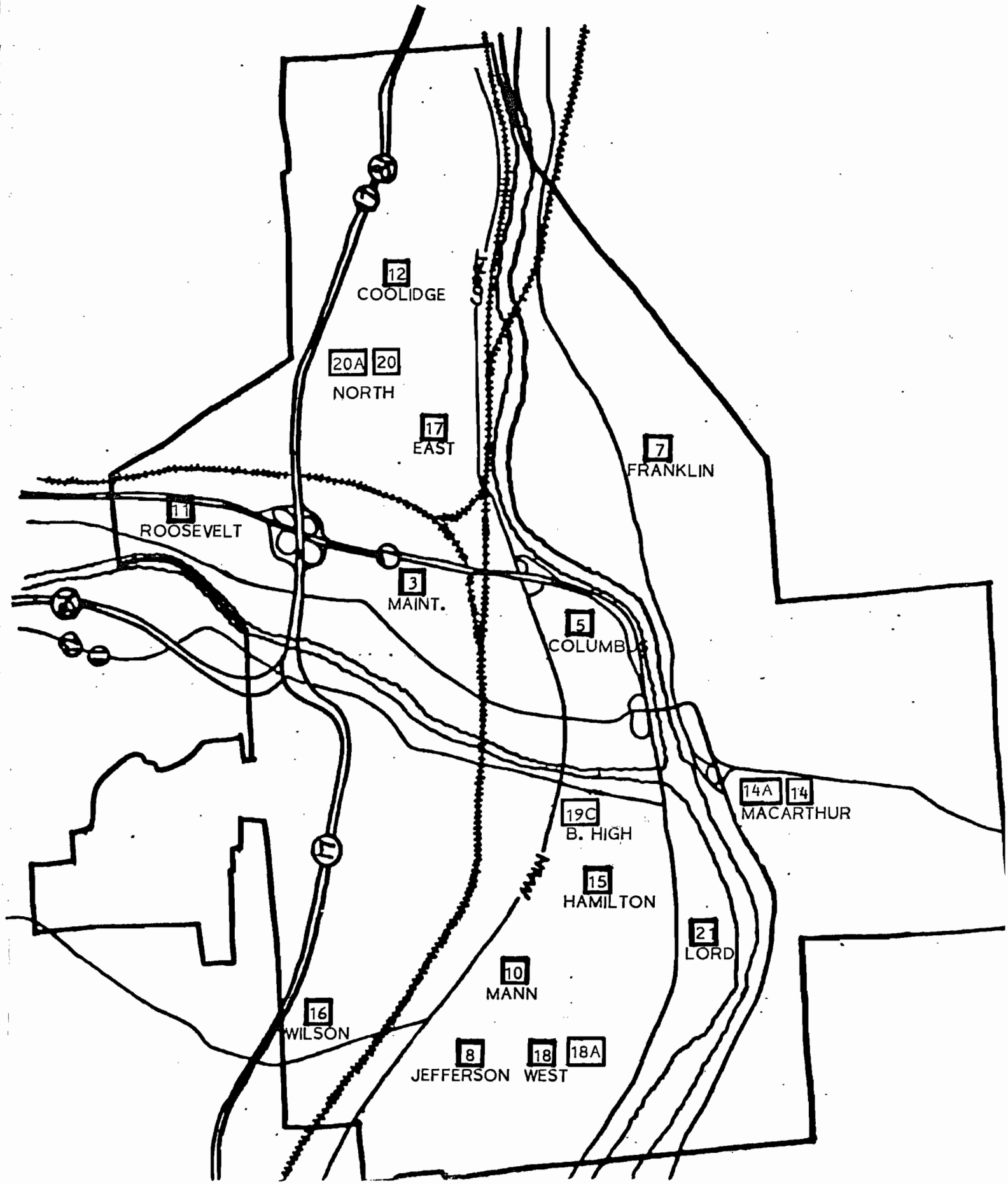
Room # and Room Name (with asbestos insulation)

Location of materials' sampling and sample #

Photograph Number (arrow indicates direction of camera aim)

Vertical riser pipe (with asbestos insulation)

BINGHAMTON CITY SCHOOL DISTRICT



INDUSTRIAL SAFETY CONSULTANTS

54 CLINTON ROAD · NEW HARTFORD, NEW YORK 13413 · (315) 797-7437

Mr. Joseph B. Zapach
Assistant Superintendent for Business
Binghamton City School District
Administrative Offices
16 St. John Ave.
Binghamton, N.Y. 13905

Dear Mr. Zapach,

Below you will find the results of the polarized light microscopic bulk sample analysis for the samples submitted by Mr. Kordian Wichtowski. As requested by Mr. Wichtowski these results were telephoned to us by the laboratories of Bolt, Beranek, and Newman of Cambridge, Mass. They indicate only the percent of asbestos in each sample. The complete results will be forwarded to you as soon as we receive them from the lab.

Christopher Columbus School

Sample #5-1 - 55% asbestos (chrysotile)

Sample #5-2 - 55% asbestos (chrysotile)

Sample #5-3 - 65% asbestos (chrysotile)

Benjamin Franklin School

Sample #7-1 - 70% asbestos (60% chrysotile, 10% amosite)

Sample #7-2 - 65% asbestos (chrysotile)

Sample #7-3 - 60% asbestos (chrysotile)

Sample #7-4 - 30% asbestos (chrysotile)

Thomas Jefferson School

Sample # 8-1 - 75% asbestos (chrysotile)

Sample # 8-2 - 35 % asbestos (chrysotile)

Sample # 8-3 - 40% asbestos (chrysotile)

Sample # 8-4 - 50% asbestos (chrysotile)

Sample # 8-5 - 0 asbestos

Horace Mann School

Sample #10-1 - 65% asbestos (chrysotile)

Sample #10-2 - 10% asbestos (amosite)

Sample #10-3 - 10% asbestos (amosite)

Sample #10-4 - 70% asbestos (chrysotile)

Sample #10-5 - 10% asbestos (amosite)

Sample #10-6 - 2 phases - phase 1 - cloth - 0 asbestos
phase 2 - plaster - 10% asbestos (amosite)

Sample #10-7 - 20% asbestos (chrysotile)

Sample #10-8 - 0 asbestos

Sample #10-9 - 5% asbestos (amosite)

Theodore Roosevelt School

Sample #11-1 - 70% asbestos (chrysotile)

Sample #11-2 - 2 phases - phase 1 - cloth - 0 asbestos
phase 2 - plaster - 25% asbestos (amosite)

Sample #11-3 - 55% asbestos (chrysotile)

Sample #11-4 - 0 asbestos

Sample #11-5 - 15% asbestos (chrysotile)

Theodore Roosevelt School (continued)

Sample #11-6 - 50% asbestos (chrysotile)

Sample #11-7 - 2% asbestos (amosite)

Sample #11-8 - 35% asbestos (chrysotile)

Sample #11-9 - 5% asbestos (amosite)

Sample #11-10 - 0 asbestos

Sample #11-11 - 0 asbestos

Sample #11-12 - 0 asbestos

Sample #11-13 - 30% asbestos (chrysotile)

Calvin Coolidge School

Sample #12-1 - 75% asbestos (chrysotile)

Sample #12-2 - 0 asbestos

Sample #12-3 - 0 asbestos

Sample #12-4 - 70% asbestos (45% chrysotile, 25% amosite)

Sample #12-5 - 80% asbestos (chrysotile)

Sample #12-6 - 0 asbestos

MacArthur School

Sample #14-1 - 2 phases - phase 1 - cloth - 45% asbestos (chrysotile with a trace of amosite)
phase 2 - plaster - 40% asbestos (amosite with a trace of chrysotile)

Sample #14-2 - 0 asbestos

Sample #14-3 - 0 asbestos

Sample #14-4 - 0 asbestos

Hamilton School

Sample #15-1 - 40% asbestos (chrysotile)

Sample #15-2 - 65% asbestos (chrysotile)

Woodrow Wilson School

Sample #16-1 - 0 asbestos

Sample #16-2 - 0 asbestos

Sample #16-3 - 80% asbestos (chrysotile)

Sample #16-4 - 0 asbestos

Sample #16-5 - 40% asbestos (chrysotile)

Sample #16-6 - 70% asbestos (chrysotile)

Sample #16-7 - 35% asbestos (chrysotile)

Sample #16-8 - 2 phases - phase 1 - cloth - 0 asbestos
phase 2 - plaster - 65% asbestos (chrysotile)

East Middle School

Sample #17-1 - 40% asbestos (chrysotile)

Sample #17-2 - 50% asbestos (chrysotile)

Sample #17-3 - 70% asbestos (chrysotile)

Sample #17-4 - 5% asbestos (chrysotile)

Sample #17-5 - 0% asbestos

Sample #17-6 - 50% asbestos (chrysotile)

Sample #17-7 - 25% asbestos (chrysotile)

Sample #17-8 - 30% asbestos (chrysotile)

Sample #17-9 - 70% asbestos (20% chrysotile, 50%amosite)

Sample #17-10 - 70% asbestos (chrysotile)

Sample #17-11 - 0 asbestos

Sample #17-12 - 0 asbestos

West Middle School

Sample #18-1 - 35% asbestos (chrysotile)

Sample #18-2 - 50% asbestos (chrysotile)

Sample #18-3 - 50% asbestos (chrysotile)

Sample #18-4 - 70% asbestos (chrysotile)

Sample #18-5 - 35% asbestos (chrysotile)

Sample #18-6 - 65% asbestos (chrysotile)

Sample #18-7 - 0 asbestos

Sample #18-8 - 80% asbestos (chrysotile)

Binghamton High School

Sample #19-C-1 - 2 phases - phase 1 - loose - 70% asbestos (65% chrysotile, 5% amosite)

phase 2 - plaster - 50% asbestos (10% chrysotile, 40% amosite)

Sample #19-C-2 - 50% asbestos (25% chrysotile, 25% amosite)

North High School

Sample #20-1 - 80% asbestos (chrysotile)

Sample #20-2 - 70% asbestos (chrysotile)

Sample #20-3 - 50% asbestos (chrysotile)

Sample #20-4 - 25% asbestos (chrysotile)

North High - Phys. Ed. Facility

Sample #20-A-1 - 0 asbestos

Sample #20-A-2 - 0 asbestos

Chester B. Lord School

Sample #21-1 - 20% asbestos (chrysotile)

Sample #21-2 - 25% asbestos (chrysotile)

These determinations were made by polarized light microscopy at magnifications ranging from 20 x to 400 x. The estimated phase abundances are given in weight percent and are accurate to within 10 to 15 percent of the amount reported. The method is sensitive to the presence of asbestos to less than one percent by weight.

Sincerely Yours,

Octavio Bevilacqua

Octavio Bevilacqua
Consultant

OB/en

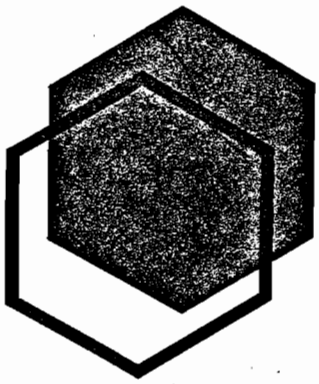
United States
Environmental Protection
Agency

Office of Pesticides and
Toxic Substances TS-793
Washington D C 20460

April 1980

EPA

Toxics Information Series



Asbestos

Asbestos was once considered a health risk only for asbestos workers. Now asbestos is known to be a potential hazard to the health of millions of people, on and off the job, who are routinely exposed to asbestos fibers in the air they breathe. Among those whose health may be endangered by asbestos are children, teachers and others in schools where asbestos was sprayed or troweled on ceilings, rafters, beams and other structural building parts for fire-proofing, insulation, sound-deadening or decoration. This Information Bulletin discusses the asbestos hazard and what the U.S. Environmental Protection Agency (EPA) is doing to help safeguard public health from the risks of asbestos.

Asbestos -- What Is It?

Asbestos is the common name for a group of natural minerals -- silicates -- that separate into thin but strong fibers. The fibers are chemically inert and heat resistant, and they cannot be destroyed or degraded easily. These characteristics have made asbestos very useful commercially. Asbestos is widely used for fire-proofing and insulating homes and all kinds of public and private buildings. Asbestos products include reinforced asbestos cement sheets and pipes, pipe insulation, roofing felt and shingles, floor tiles, patching and taping compounds, brake linings, clutch facings, insulating paper, and protective clothing. Some 800,000 tons of asbestos are mined or processed in the U.S. each year to make about 3,000 different products, two-thirds of which are used in the construction industry.

Why Is Asbestos A Problem?

Unless it is completely sealed into a product, as in asbestos floor tile, asbestos can easily break into a dust of tiny fibers. These fibers, much smaller and more buoyant than ordinary dust particles, float almost indefinitely in the air and can easily be inhaled or swallowed. Once the fibers enter the body, they can cause a number of serious diseases:

* Asbestosis, a chronic disease of the lungs which makes breathing more and more difficult and can cause death.

* Cancer. Breathing asbestos fibers definitely can cause lung cancer. Also, since some of the asbestos fibers are rejected by the lungs, move up to the throat, and are swallowed, breathing asbestos can also cause cancer of the esophagus, stomach, intestines, and rectum.

* Mesothelioma, a cancer of the membranes that line the chest and abdomen. Mesothelioma almost never occurs in people who have not been exposed to asbestos. It is always fatal.

Once asbestos gets into the body, it remains there indefinitely. It can move from the lungs to almost all other parts of the body, including the brain and the sex organs. Cancers can occur anywhere from 15 to 40 years after the first exposure. No safe limit or "threshold" of exposure is known. Any exposure to asbestos carries some risk to health, and people exposed to low levels of asbestos for a very brief period have later contracted mesothelioma. Finally, anyone exposed to asbestos who also smokes cigarettes has five times the chance of contracting lung cancer than a cigarette smoker who has not been exposed to asbestos.

What's The Government Doing About This Health Hazard?

The Occupational Safety and Health Administration has established limits for worker exposure to asbestos on the job. The Food and Drug Administration is responsible for making sure that foods, drugs and cosmetics are not contaminated with asbestos. And the Consumer Products Safety Commission (CPSC) regulates asbestos in consumer products; it has already banned the use of asbestos in ceramic logs in gas-fired fireplaces, in consumer clothing and in dry-wall patching compounds. CPSC is studying the extent of asbestos use in all consumer products and is considering banning all non-essential uses of asbestos in consumer products that can release asbestos fibers.

EPA, which among other authorities can regulate air and water contamination by asbestos, prohibited the spraying of asbestos materials for fire-proofing and insulation in 1973, banned the use of asbestos that can crumble in pipe and boiler coverings in 1975, and prohibited virtually all uses of sprayed asbestos materials in 1978.

In addition, EPA is investigating the cumulative effects on public health of exposure to asbestos -- from the time it is mined and milled, through processing and product manufacturing, use and disposal. And EPA is also considering banning all non-essential uses of asbestos and asbestos products. The prohibitions being considered would be phased in over a period of time and would exempt certain essential uses for which reasonable substitutes do not exist and which do not pose an unreasonable risk to health. One example of the possible exemption from the ban: fire-protection suits for firemen if the asbestos is totally enclosed, sealed, or

Not All Asbestos Products Are Hazardous!

Asbestos becomes a health hazard only when fibers are released into the air. This usually happens when the asbestos materials can be crumbled in the hand -- in technical language, when the asbestos material is "friable," as is asbestos insulation sprayed on a ceiling. In contrast, vinyl asbestos floor tile is not generally "friable." The asbestos fibers are firmly bound or sealed into the tile and can be released into the air only if the tile is cut, ground or sanded.

bonded into the suit so that no asbestos fibers can be released into the air.

Under the Toxic Substances Control Act, EPA is required to ban or limit the use and disposal of any chemical substance that poses an unreasonable risk of injury to human health or the environment. Preliminary studies show that millions of people may indeed be facing the danger of unreasonable risk to their health from asbestos particles from an increasing number of sources. Thus the contemplated regulations to prevent and reduce unreasonable risks from asbestos.

What About Asbestos In Schools?

Between 1940 and 1973, hundreds of thousands of tons of asbestos were sprayed or applied on ceilings and other parts of many schools -- and other buildings, public and private -- for fireproofing, sound-deadening, insulation, or decoration. Surveys indicate that 5-15 percent of the nation's public schools contain some asbestos materials.

Some of the asbestos material is now known to be damaged or deteriorating -- and releasing asbestos fibers into the air in the buildings.

The fibers can remain suspended in the air for hours. And fibers that settle to the floor can be stirred up into the air again as children walk or run through halls, classrooms, the gymnasium, the cafeteria. Thus, while the asbestos fibers may be released only sporadically from damaged insulation on a ceiling or pipe, there can be virtually continuous exposure to asbestos. Indeed, in some schools, asbestos levels in the air have occasionally exceeded the Federal safety standard for asbestos workers.

It seems likely that the dangers of asbestos exposure are particularly grave for children. Since they are exposed early in their lives, asbestos-induced cancers will have plenty of time to develop.

To safeguard the health of school children, teachers and others who work in schools, EPA has launched a school asbestos program. The purposes of this program are: to identify school buildings that contain asbestos materials, to inspect those buildings to see if asbestos fibers are being released into the air within the building, to remove or repair the damaged asbestos material, and periodically to inspect the asbestos materials left in the schools.

NOT For Schools Alone!

EPA's Asbestos Guidance Package is not just for public schools. Asbestos materials have been used in the construction or renovation of many private schools, colleges, universities, and office, commercial and residential buildings. The package can help any building owner identify and eliminate asbestos hazards. It's available, free, by calling, toll-free, 800-424-9065. In the Washington, D.C. area, the number is 554-1404.

EPA has prepared and made available to State and local governments and schools two manuals that explain, step by step, how asbestos problems can be identified and corrected.

The manuals -- called the Asbestos School Guidance Package -- are available, free, from EPA.

A videotape outlining the procedures explained in the manuals is available from EPA's 10 regional offices. And a specially trained EPA asbestos coordinator in each regional office can provide additional technical assistance.

EPA's school asbestos technical assistance program has been voluntary, and many State and local governments have participated in the program. However, to make sure that the necessary steps are taken to reduce the risk of asbestos exposure, EPA plans to issue regulations requiring that elementary and secondary schools be inspected for the presence of asbestos and requiring that asbestos exposure problems be corrected.

In sum, EPA's school asbestos program has already helped some schools identify and reduce asbestos hazards and, when the regulations are issued, will require other schools to do so too.

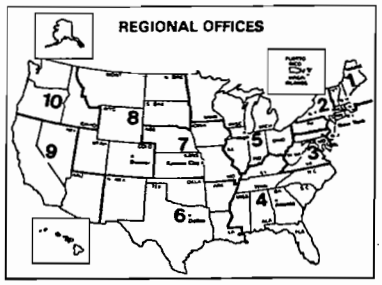
Meanwhile, students, parents, teachers and other concerned citizens can help rid the nation's schools of asbestos hazards by urging their school officials to take the necessary actions if they have not already done so.

Want More Information?

Additional information on EPA's asbestos program is available from EPA headquarters in Washington, D.C. -- 800-424-9065 (554-1404 in the Washington area) -- or from EPA regional offices.

Additional information on the effects of asbestos on health is available from Asbestos, National Cancer Institute, Bethesda, Md. 20205. (Call 800-638-6694; in Maryland, 800-492-6600).

Additional information on asbestos in consumer products is available from the Consumer Products Safety Commission. Call 800-638-8326; 800-492-8363 in Maryland; 800-638-8333 in Alaska, Hawaii, Puerto Rico, Virgin Islands.



Region 1
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Asbestos Coordinator
Air & Hazardous Materials Div.
Pest. & Toxic Substances Br.
EPA Region 1
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Boston, MA 02203
(617) 223-0585

Region 2
Mr. Marcus Kantz
Asbestos Coordinator
EPA Region 2
Room 802
26 Federal Plaza
New York, NY 10007
(212) 264-9538

Region 3
Mr. Fran Dougherty
Asbestos Coordinator
EPA Region 3
Curtis Building
Sixth & Walnut Streets
Philadelphia, PA 19106
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Asbestos Coordinator
EPA Region 4
345 Courtland Street
Atlanta, GA 30308
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Region 5
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Asbestos Coordinator
EPA Region 5
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Chicago, IL 60604
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Asbestos Coordinator
EPA Region 6
First Internat'l Bldg.
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Dallas, TX 75270
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Asbestos Coordinator
EPA Region 7
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Asbestos Coordinator
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Region 9
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(415) 556-3352

Region 10
Ms. Margo Partridge
Asbestos Coordinator
EPA Region 10
1200 Sixth Avenue
Seattle, WA 98101
(206) 442-5560

3

MAINTENANCE FACILITY

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

3 MAINTENANCE FACILITY

FINDINGS

Single story building (pre-manufactured metal) used for District's administrative, storage and repair shop functions. Inspection of spaces concluded with no findings of materials suspected of containing asbestos. Consequently, no samples and no photographs were taken within this facility.

RECOMMENDATIONS

NONE - In our opinion, based on inspection described above, there is no asbestos.

5

CHRISTOPHER COLUMBUS SCHOOL

KOROIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

5 CHRISTOPHER COLUMBUS SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
- -Boiler insulation of one (middle) boiler
- -H.W. Storage Tank insulation (exterior layer of insulation
- -Main steam lines (old) insulation - severely deteriorated and friable
- -Boiler's breeching
- -Residue of old insulation on one bare cast iron boiler where insulation has been stripped from boiler
- -Pipe insulation in Crawl Space under entire building (except Gym)

b) FIRST FLOOR:
- -Pipe insulation (vertical riser) in Storage Room and Cafeteria

c) INTERMEDIATE FLOOR:
- -Pipe insulation in old Fan Room

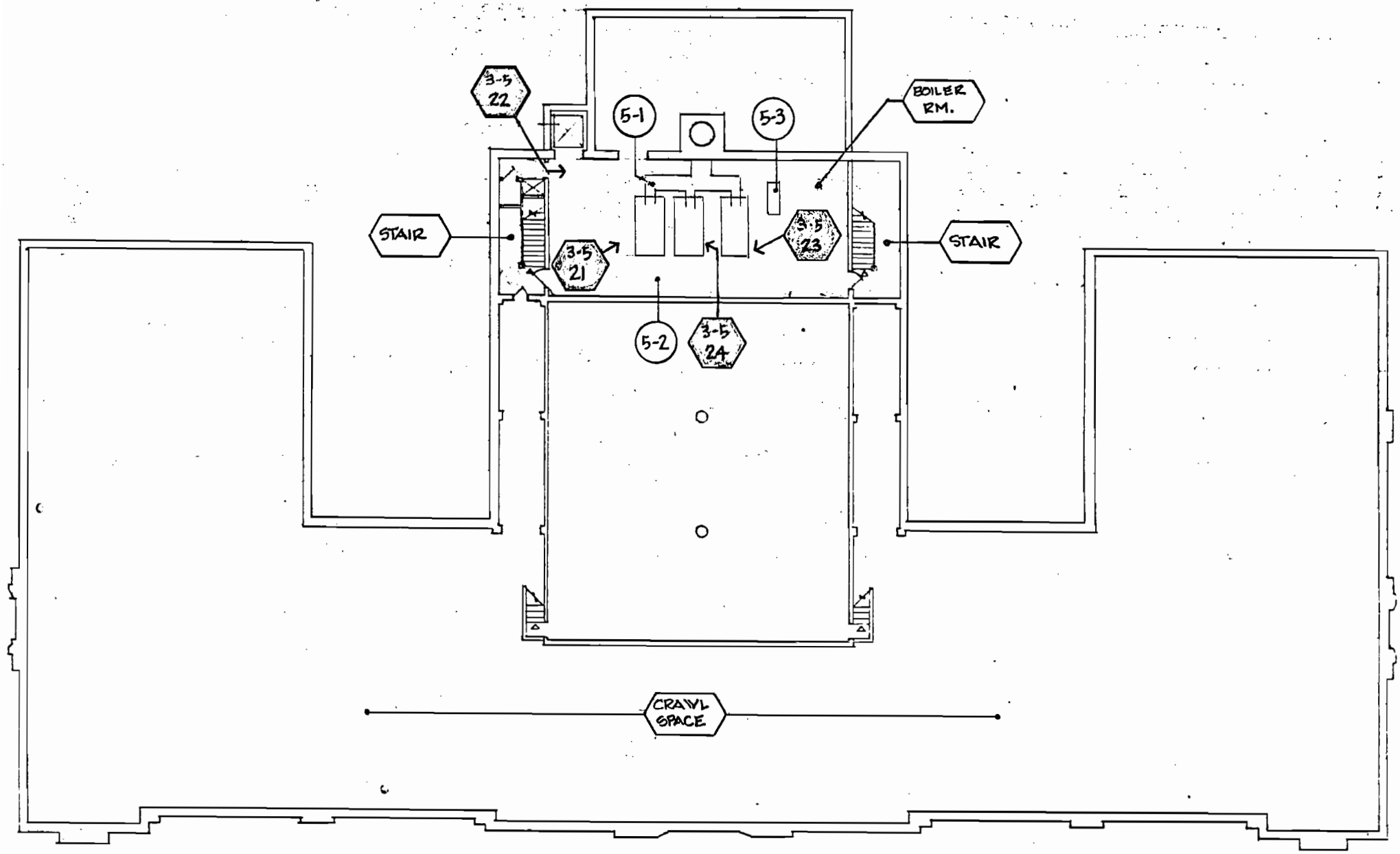
d) THIRD FLOOR:
- -Pipe insulation in three rooms (former Classrooms, presently office space)

RECOMMENDATIONS

-Remove asbestos insulation from one boiler, H.W. Tank and breeching. Reinsulate using appropriate non-asbestos insulation system (mineral fiber, fiberglass, insulating cement and mesh in mastic).
-Remove asbestos insulation from main steam lines in Boiler Room, from pipes in Crawl Space and on other Floors (where indicated on enclosed Floor Plans). Reinsulate all pipes (Heating and Plumbing) using pre-formed fiberglass insulation on pipes, elbows, fittings, etc. Provide PVC jacketing on exposed pipe insulation (except in Basement). Only C.W. lines are to remain uninsulated.
-Encapsulate the bare boiler to bond the residue of old insulation to cast iron surfaces.

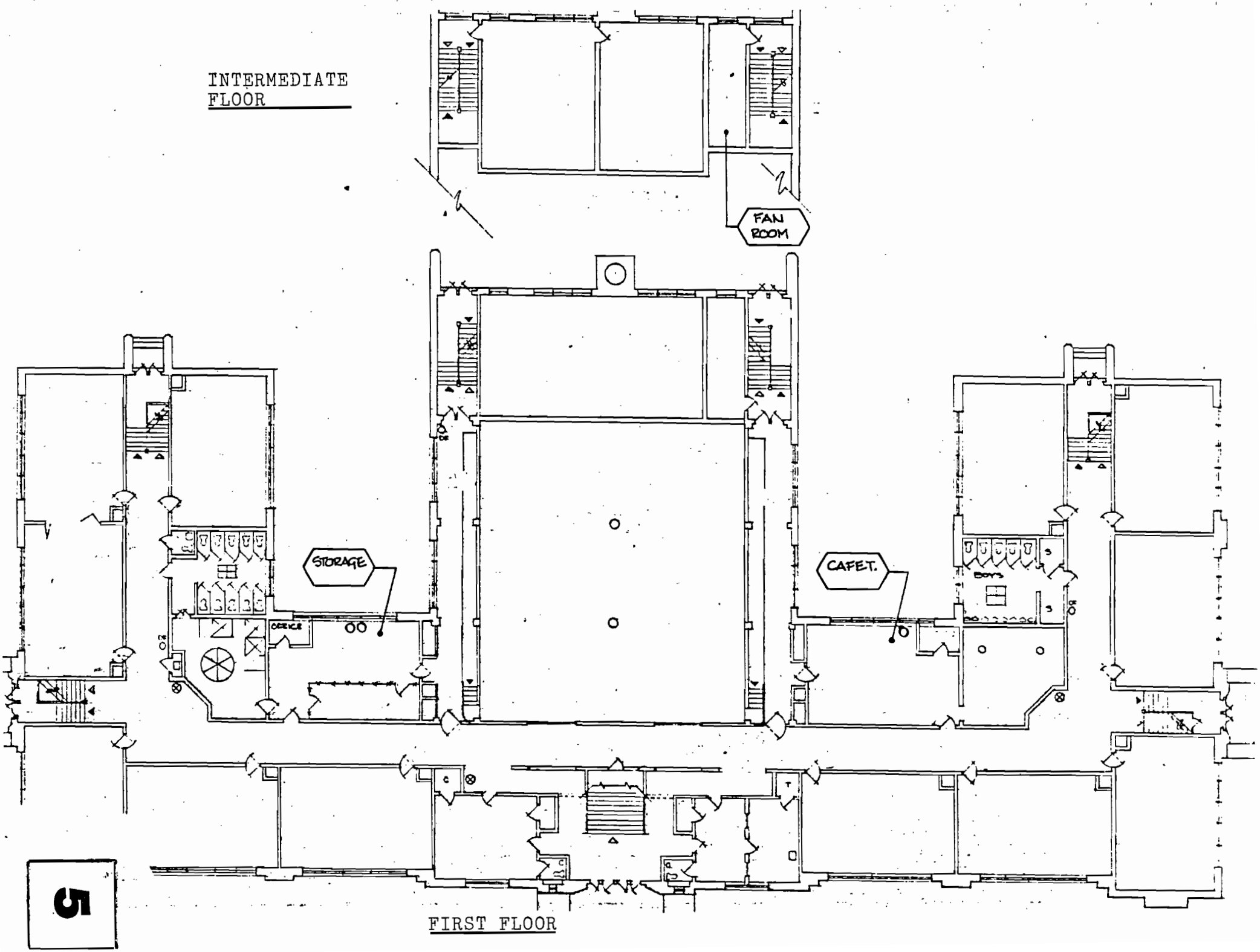
ALTERNATES

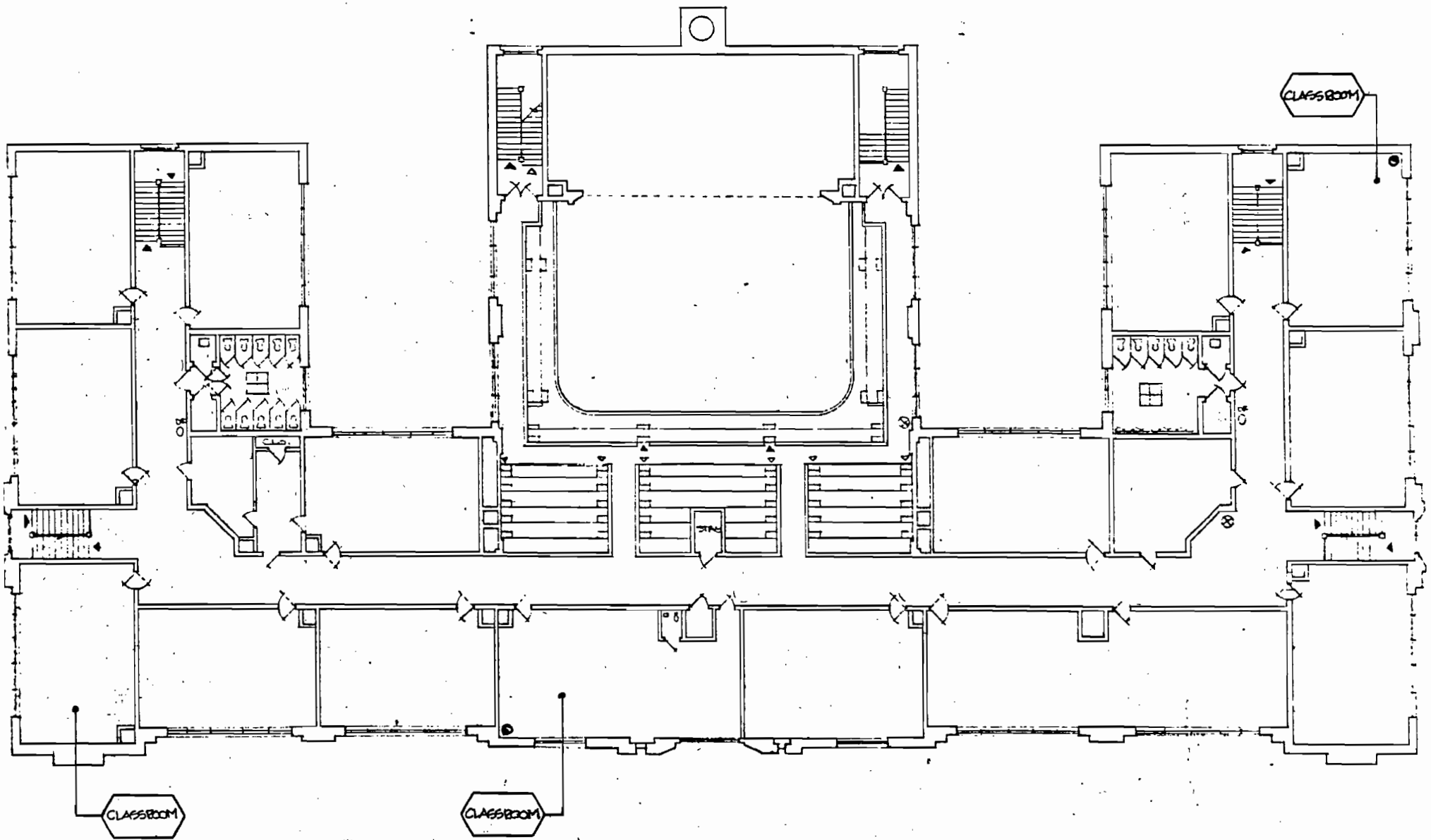
-Encapsulate the middle boiler and H.W. Storage Tank. insulation (instead of Removal and Reinsulation).
-Delete pipe insulation on condensate returns, H.W. lines and vertical risers on all Floors.


3-5
22
5-1
5-3
BOILER
RM.
STAIR
3-5
21
3-5
23
STAIR
5-2
3-5
24
CRAWL
SPACE

5

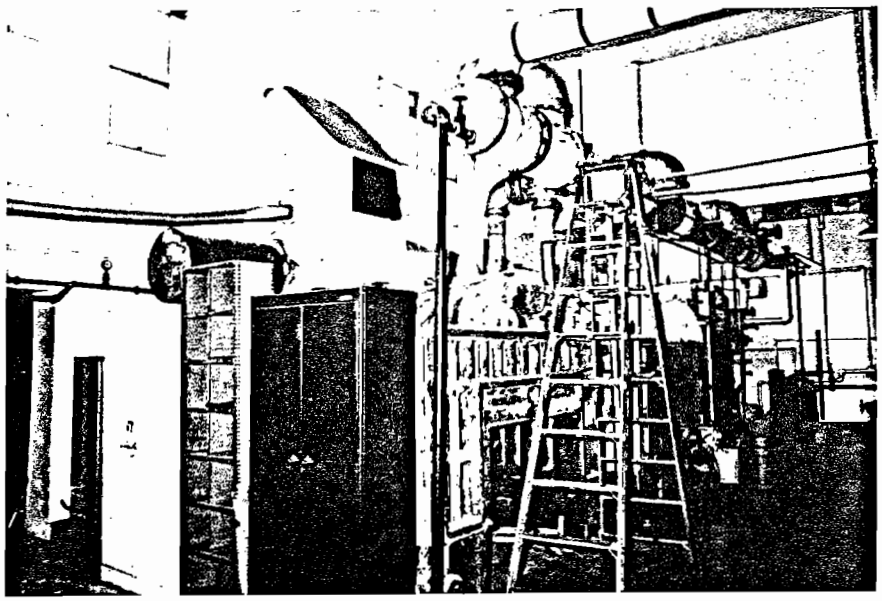
BASEMENT


INTERMEDIATE FLOOR
FAN ROOM
STORAGE
OFFICE
CAFET.
Boys
FIRST FLOOR
5



5

THIRD FLOOR



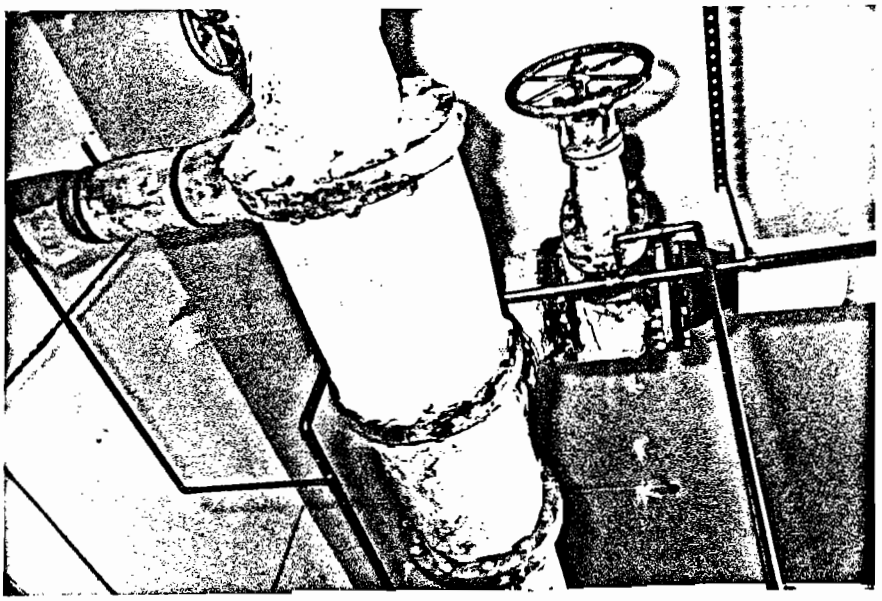
3-5
21

BOILER ROOM



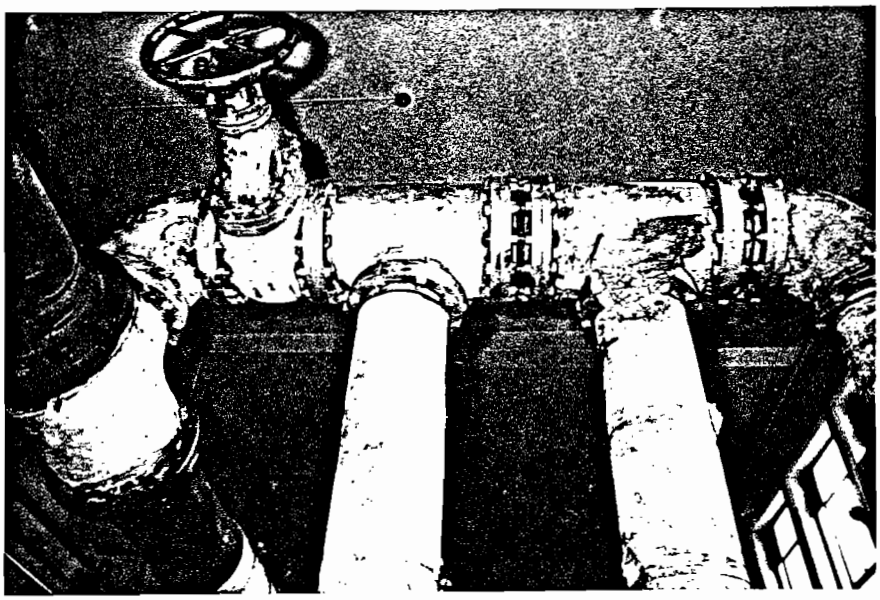
3-5
22

BOILER ROOM
END LAP OF BREECHING



3-5
23

BOILER ROOM
MAIN STEAM LINES



3-5
24

BOILER ROOM
MAIN STEAM LINES
PIPE INSULATION

KOROIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
CHRISTOPHER COLUMBUS SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
5-1	5	15 NOV 1982		BOILER BREECHING	BOILER RM.	DETER.	55	V. HIGH	R		
5-2	↓	↓		MAIN STEAM SUPPLY LINE	↓	DETER.	55	V. HIGH	R		
5-3	↓	↓		H.W. TANK (INSUL CEM OVER FIBERGL.) (same as boiler insul)	↓		65	MODER	R		

KORDIAN W. WICHTOWSKI ARCHITECT
6 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS
PROJECT # 1482
5 CHRISTOPHER COLUMBUS SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates Base Bid	Alternates
R	1. Removal of asbestos insulations (Boiler Room, Crawl Spaces, etc.)	$ 12,400	$- 2,000
	2. New insulations	34,000	-16,000
		$ 46,400	$-18,000

7

BENJAMIN FRANKLIN SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

7 BENJAMIN FRANKLIN SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
- -Boiler insulation of one inactive (old) boiler - severely deteriorated
- -H.W. Storage Tank insulation - severely deteriorated
- -Main steam supply lines (old) insulation - severely deteriorated and dilapidated
- -Insulation cement on elbows of new steam lines
- -Pipe insulation in Pipe Tunnels
- -Boiler's breeching

b) GROUND FLOOR:
- -Pipe insulation in all Corridors, Library, Kindergarden, Elem. Classrooms, Janitor's Office and Supply Room, Girls Locker and Shower, Fan Room, Pre-Kindergarden Room 1 & 2, Vestibules and Janitor Closets of Boys Toilet and Girls Toilet, Pipe Tunnel

c) FIRST FLOOR:
- -Pipe insulation (vertical risers) in Storage Room

RECOMMENDATIONS

-Remove asbestos insulation from inactive old boiler. Encapsulate after removal, if necessary, to bond any residue of insulation to cast iron surfaces.

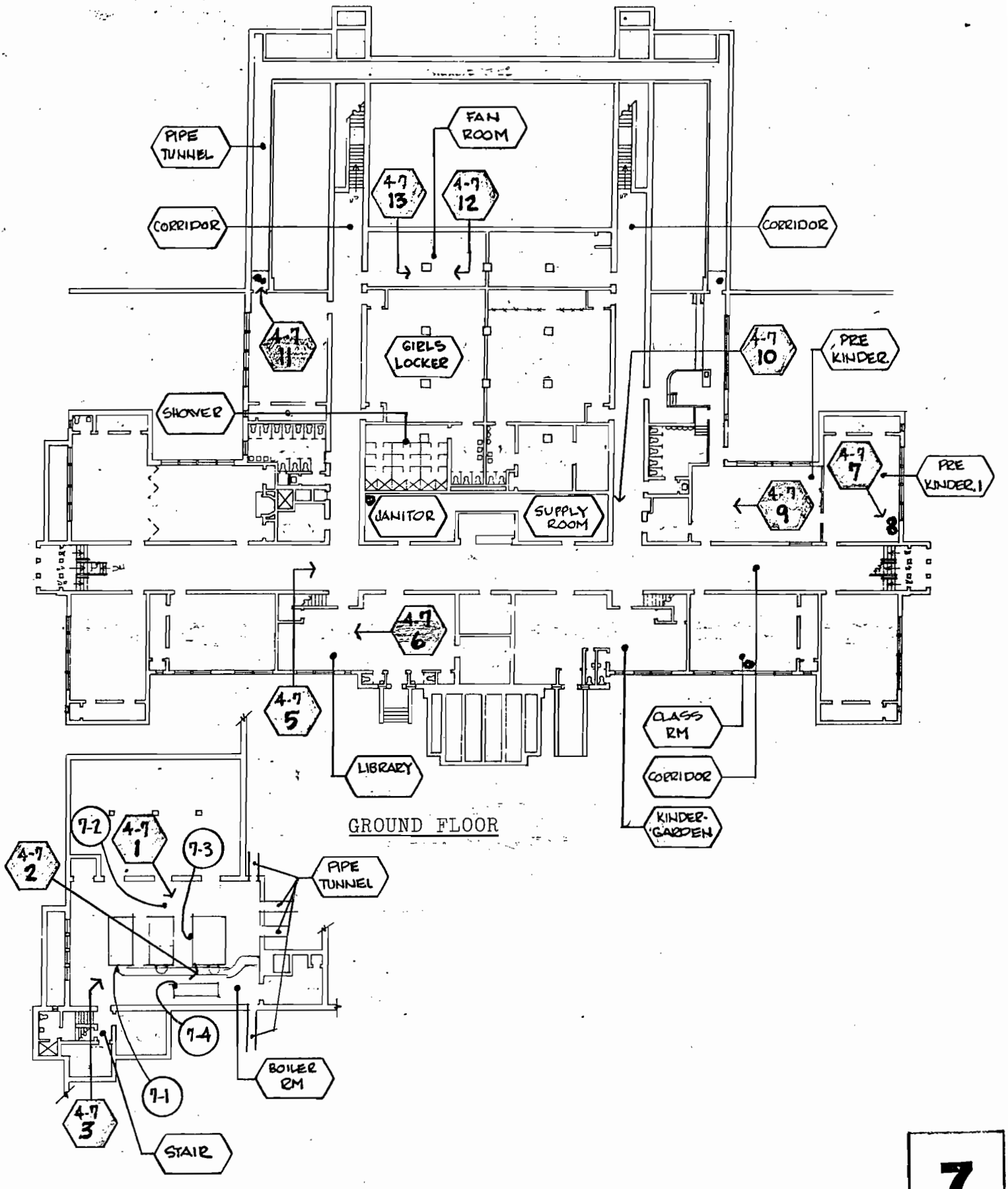
-Remove asbestos insulation from H.W. Storage Tank and boiler's breeching. Reinsulate using appropriate non-asbestos insulation system.

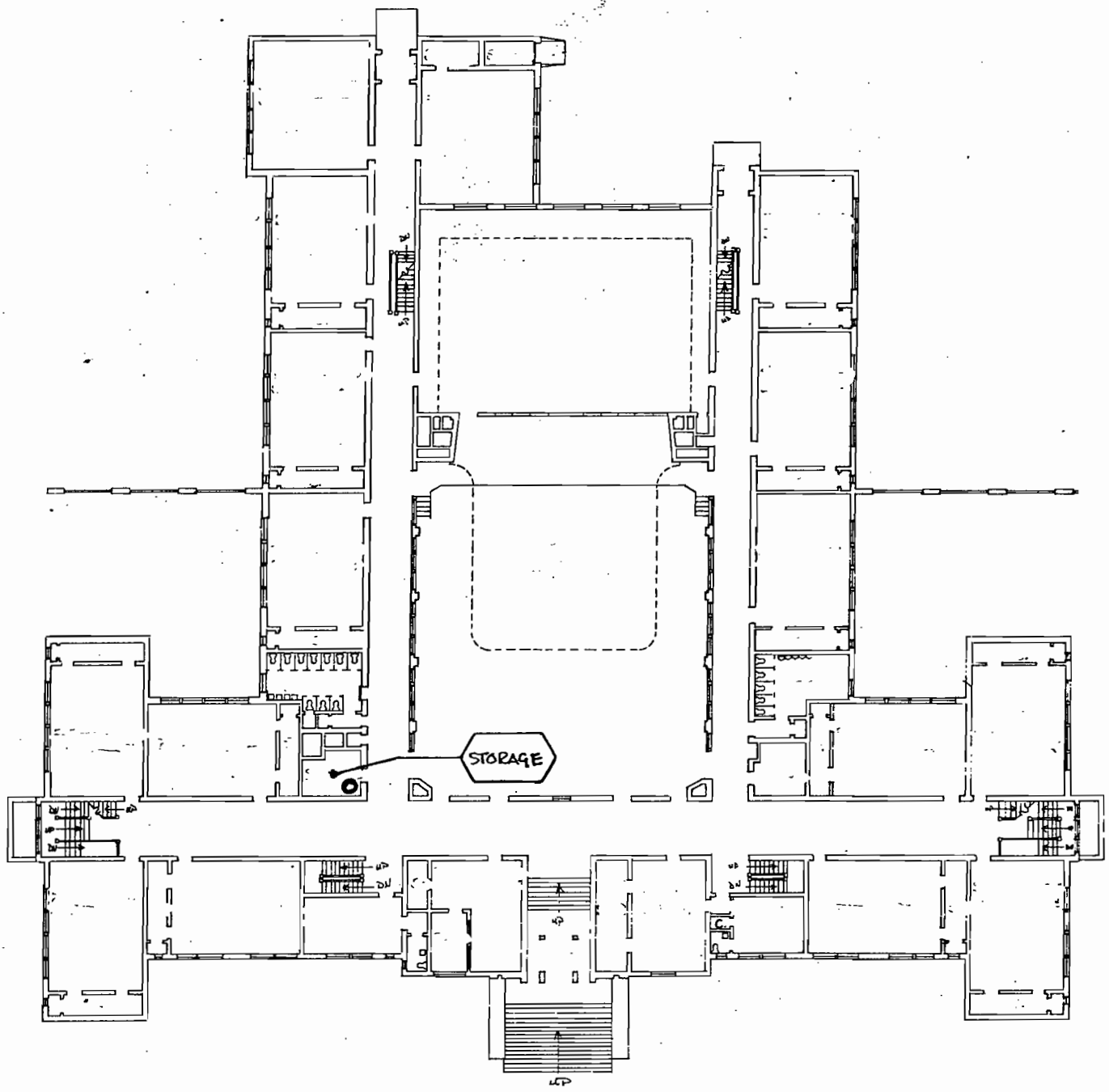
-Remove asbestos insulation from steam lines in Boiler Room. Remove asbestos insulation from pipes in Pipe Tunnels, all areas of Ground and First Floor where not concealed (refer to Floor Plans). Reinsulate all pipes (Heating and Plumbing) using pre-formed fiberglass insulation on pipes, elbows and fittings. Provide suspended ceiling in Corridors of Ground Floor (T-bar with fiberglass or wood fiber ceiling panels) and new recessed fluorescent energy efficient light fixtures. Provide PVC jacketing on exposed pipe insulation (except Corridors, Boiler Room and Pipe Tunnels). Only C.W. lines are to remain uninsulated.

ALTERNATES

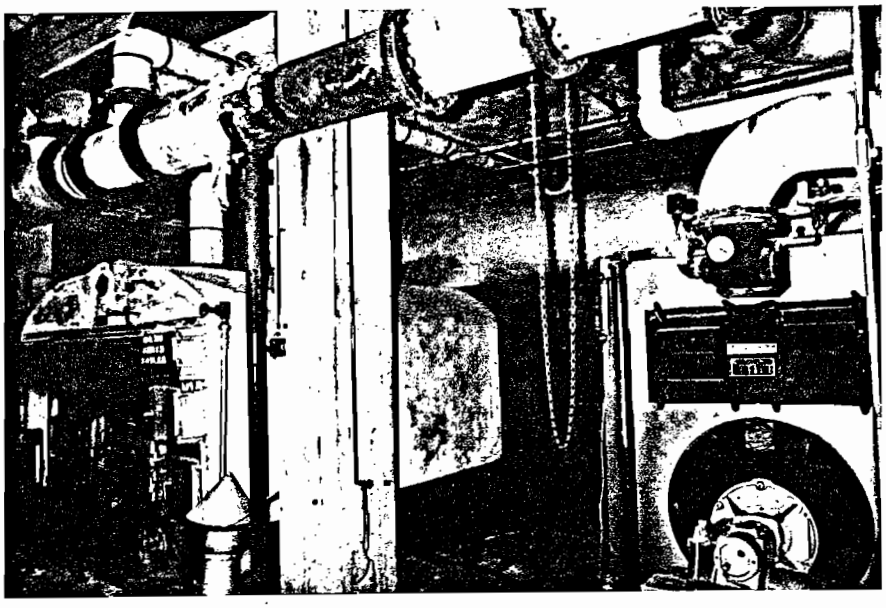
-Provide PVC jacketing on new pipe insulation in Corridors of Ground Floor (instead of new suspended ceilings and new light fixtures).

-Delete insulation on condensate return lines, H.W. lines and vertical risers.


PIPE TUNNEL
FAN ROOM
4-7 13
4-7 12
CORRIDOR
CORRIDOR
4-7 11
GIRLS LOCKER
4-7 10
PRE KINDER
SHOWER
4-7 7
PRE KINDER 1
4-7 9
JANITOR
SUPPLY ROOM
8
4-7 6
4-7 5
CLASS RM
LIBRARY
CORRIDOR
KINDER-GARDEN
GROUND FLOOR
7-2
4-7 1
7-3
4-7 2
PIPE TUNNEL
7-4
BOILER RM
7-1
4-7 3
STAIR
BASEMENT

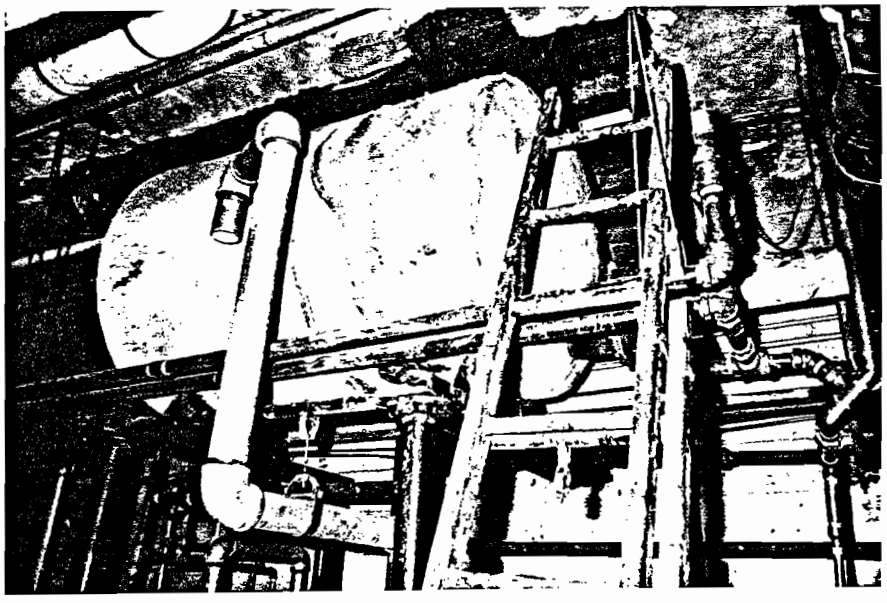


FIRST FLOOR



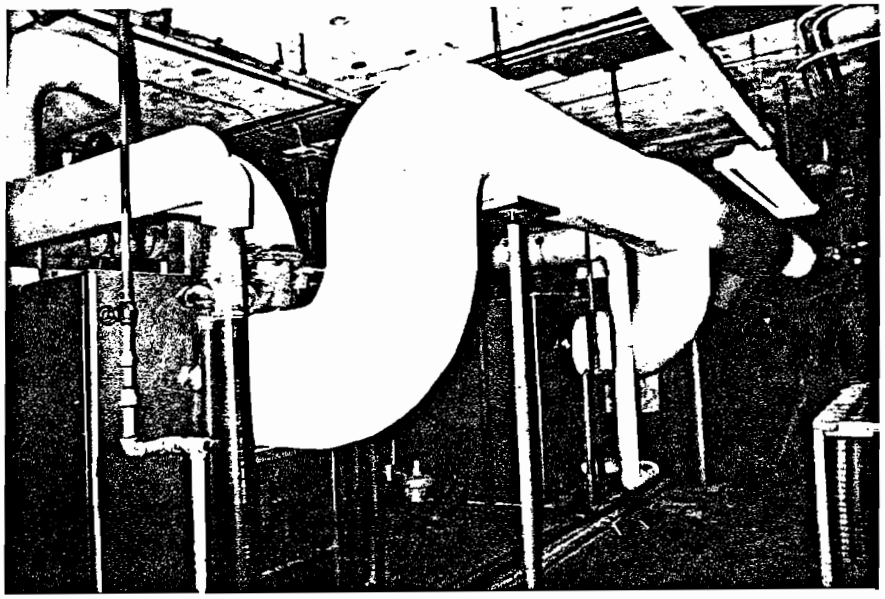
4-7
1

BOILER RM.
OLD BOILER INSUL. &
MAIN STEAM LINE - DETERIORATED



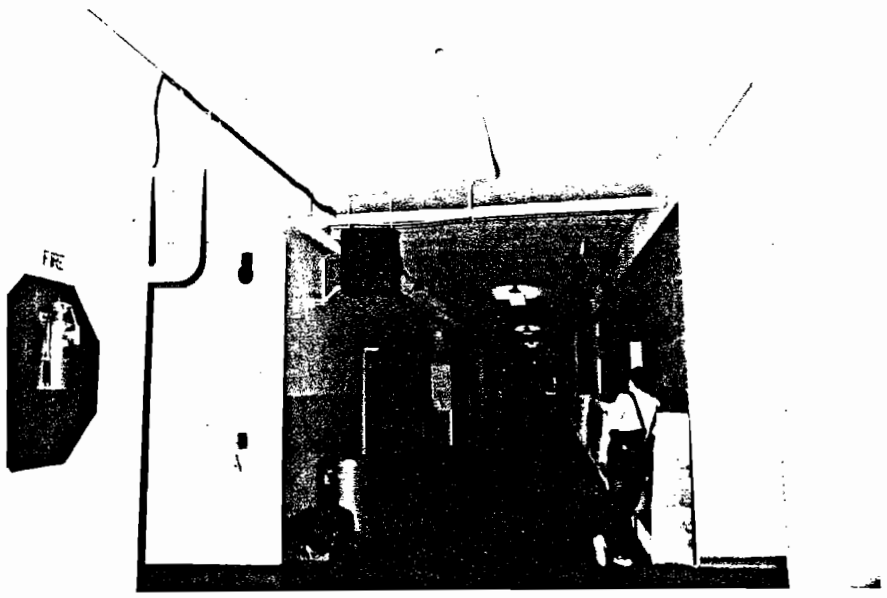
4-7
2

BOILER RM.
H.W. TANK INSUL. - DETERIORATED



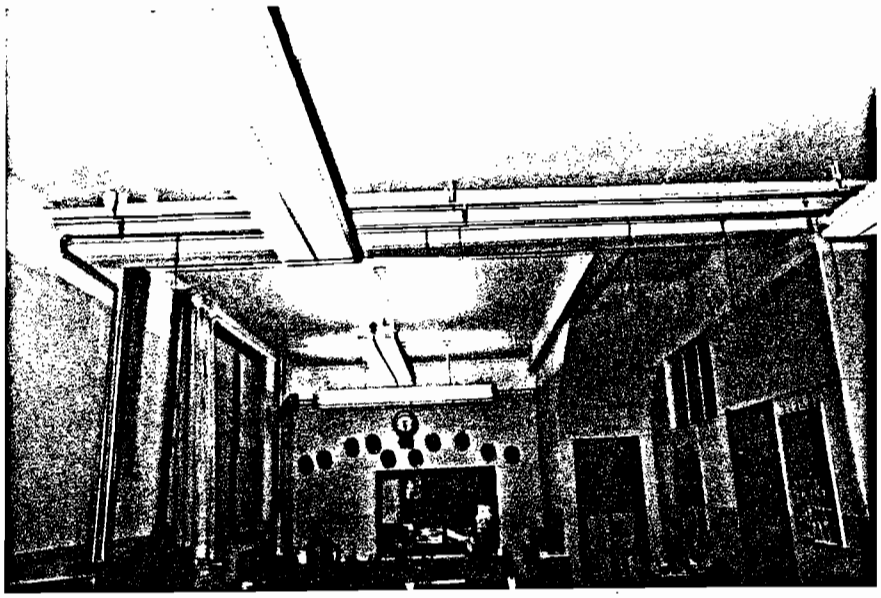
4-7
3

BOILER RM.
BOILER BREECHING



4-7
5

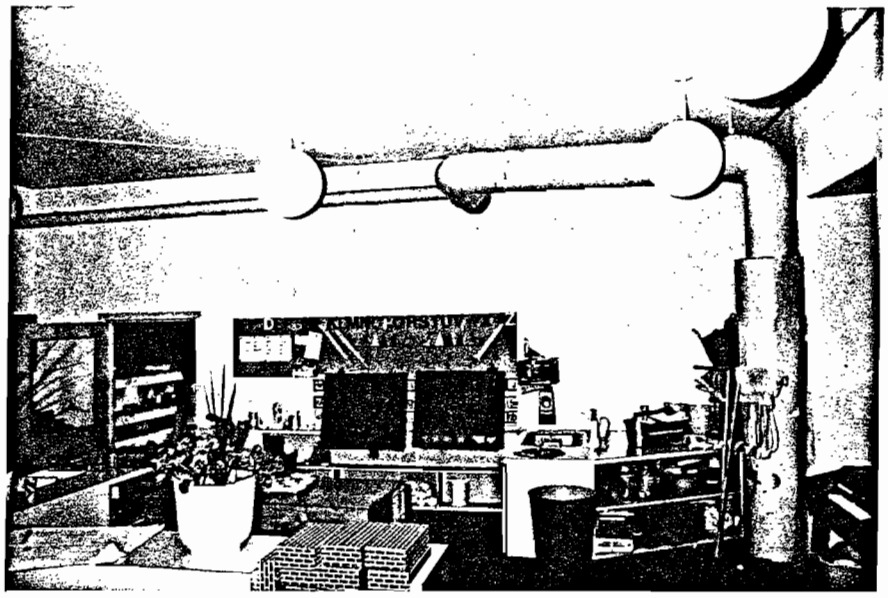
CORRIDOR
PIPES @ CEILING



4-7 6 CLASSROOM
HORIZONTAL PIPES @ CEILING

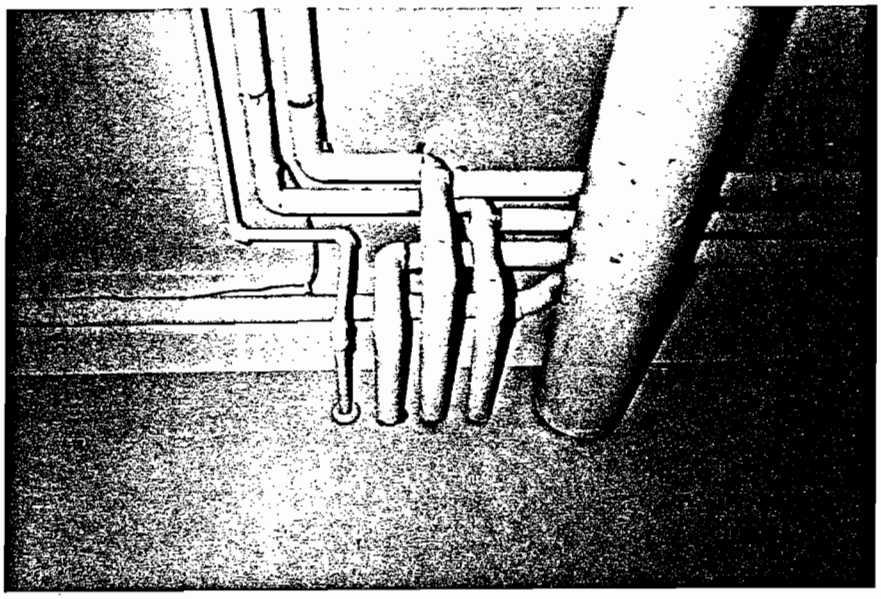


4-7 7 PRE-KINDERGARDEN
VERT. & HORIZ.
PIPES INSUL.



4-7
9

PRE-KINDERGARDEN
PIPE INSUL. (SMALL HORIZ.)



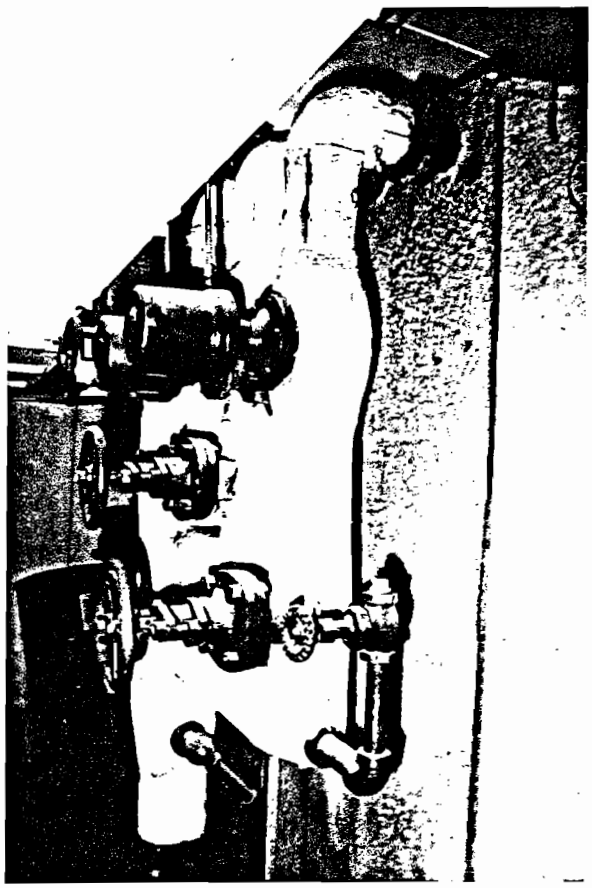
4-7
10

CORRIDOR
PIPE INSUL.



4-7
11

PIPE TUNNEL
PIPE INSUL.



4-7
12

FAN ROOM
INSUL. @ PIPES
& FITTINGS



4-7
13

FAN ROOM
PIPE INSUL. & FITTINGS

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (807) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
BENJAMIN FRANKLIN SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
7-1	7	15 NOV 1982		BOILER BREECHING (NEW BOILER)	BOILER RM.		70	MODER	R		
7-2				MAIN STEAM SUPPLY LINE		V. BAD DETER.	65	V. HIGH	R		
7-3				BOILER INSUL. (@ SIDE OF OLD BOILER			60	V. HIGH	R		
7-4	↓	↓		H.W. TANK INSUL. (@ SIDE)	↓		30	V. HIGH	R		

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

7 BENJAMIN FRANKLIN SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of asbestos insulations plus new suspended ceiling and light fixtures on Ground Floor Corridor	$ 38,000	$- 1,300
	2. New insulations	42,700	-19,000
	3. Delete new suspended ceiling and light fixtures on Ground Floor Corridor and add PVC jacketing to pipe insulation in above Corridor	-	-12,000
		$ 80,700	$-32,300

8

THOMAS JEFFERSON SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

8 THOMAS JEFFERSON SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
- -H.W. Heater insulation
- -Main steam lines (old) insulation in Boiler Room
- -Insulating cement elbows at new steam lines in Boiler Room
- -Pipe insulation in Storage Room and Fan Room - deteriorated and damaged
- -Pipe insulation in Crawl Space - deteriorated and damaged

b) FIRST FLOOR:
- -Pipe insulation (vertical risers) in Corridor and Storage Room

c) SECOND FLOOR:
- -Pipe insulation (vertical risers) in Corridor

d) THIRD FLOOR:
- -Pipe insulation (vertical risers) in Storage Closet

e) ATTIC:
- -Pipe insulation (horizontal pipes) above Corridor areas and branches

RECOMMENDATIONS

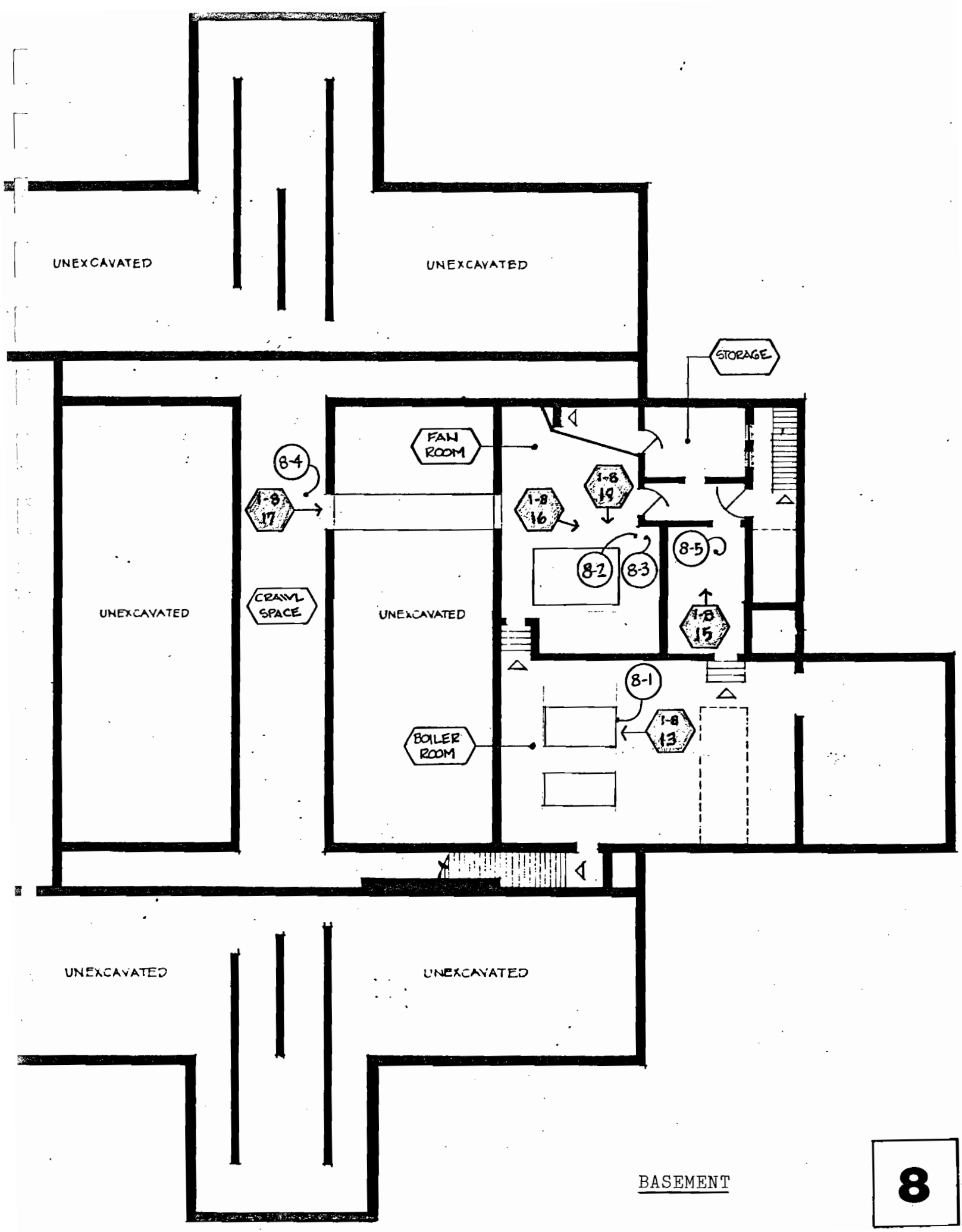
-Remove asbestos insulation from H.W. Heater and elbows of new steam lines. Reinsulate using appropriate non-asbestos insulation system. Include insulation of breeching.

-Remove asbestos insulation from old steam lines in Boiler Room, Basement Storage Room, Fan Room, Crawl Space and Attic. Reinsulate using pre-formed fiberglass insulation on pipes, elbows, fittings, etc. Only C.W. lines and steam condensate lines are to remain uninsulated.

-Remove asbestos insulation from vertical risers on First, Second and Third Floors (refer to Drawings for locations). Reinsulate using pre-formed fiberglass insulation. Provide PVC jacketing on riser insulation in Corridor of First and Second Floor.

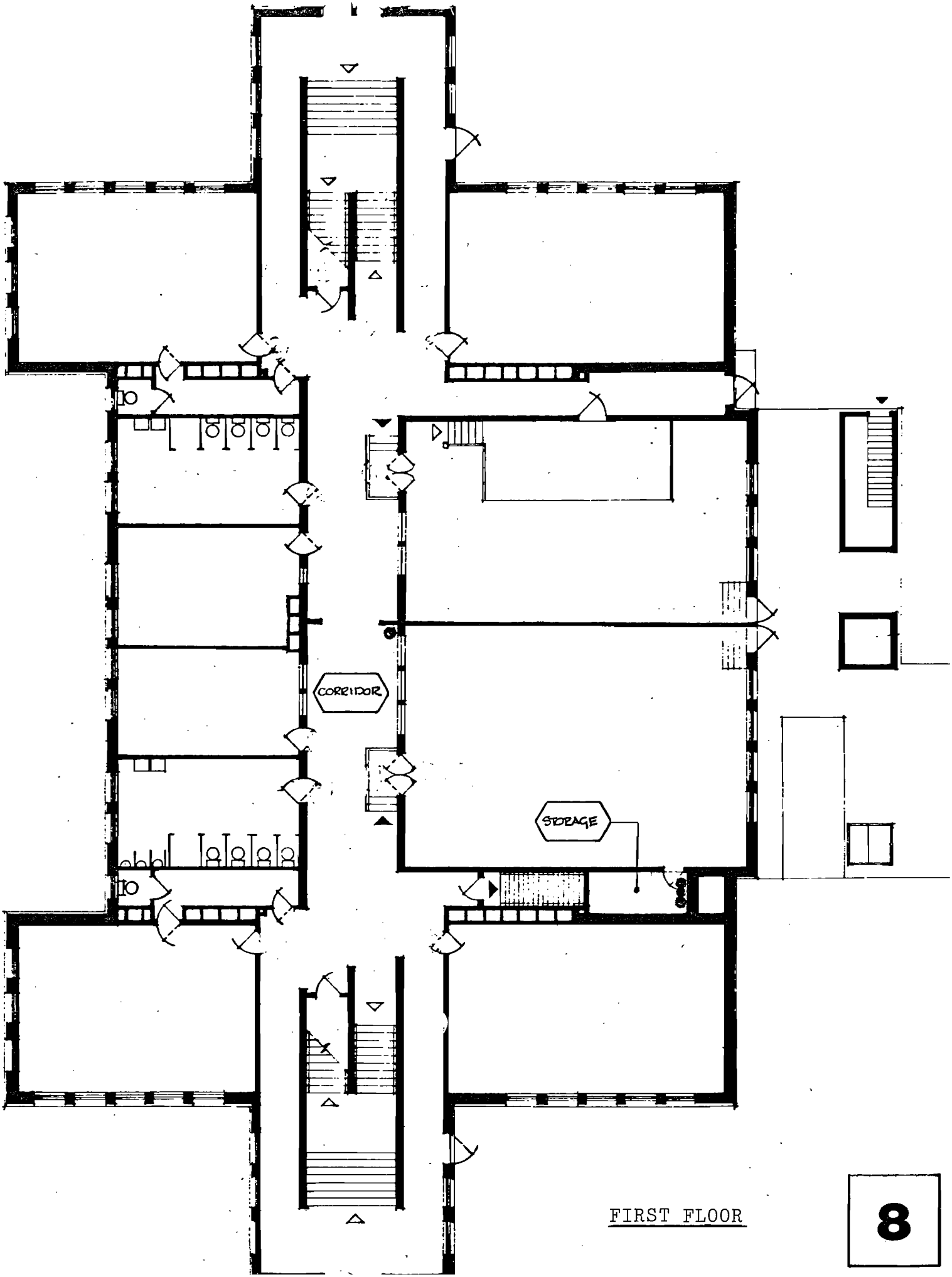
ALTERNATES

-Delete insulation from breeching.

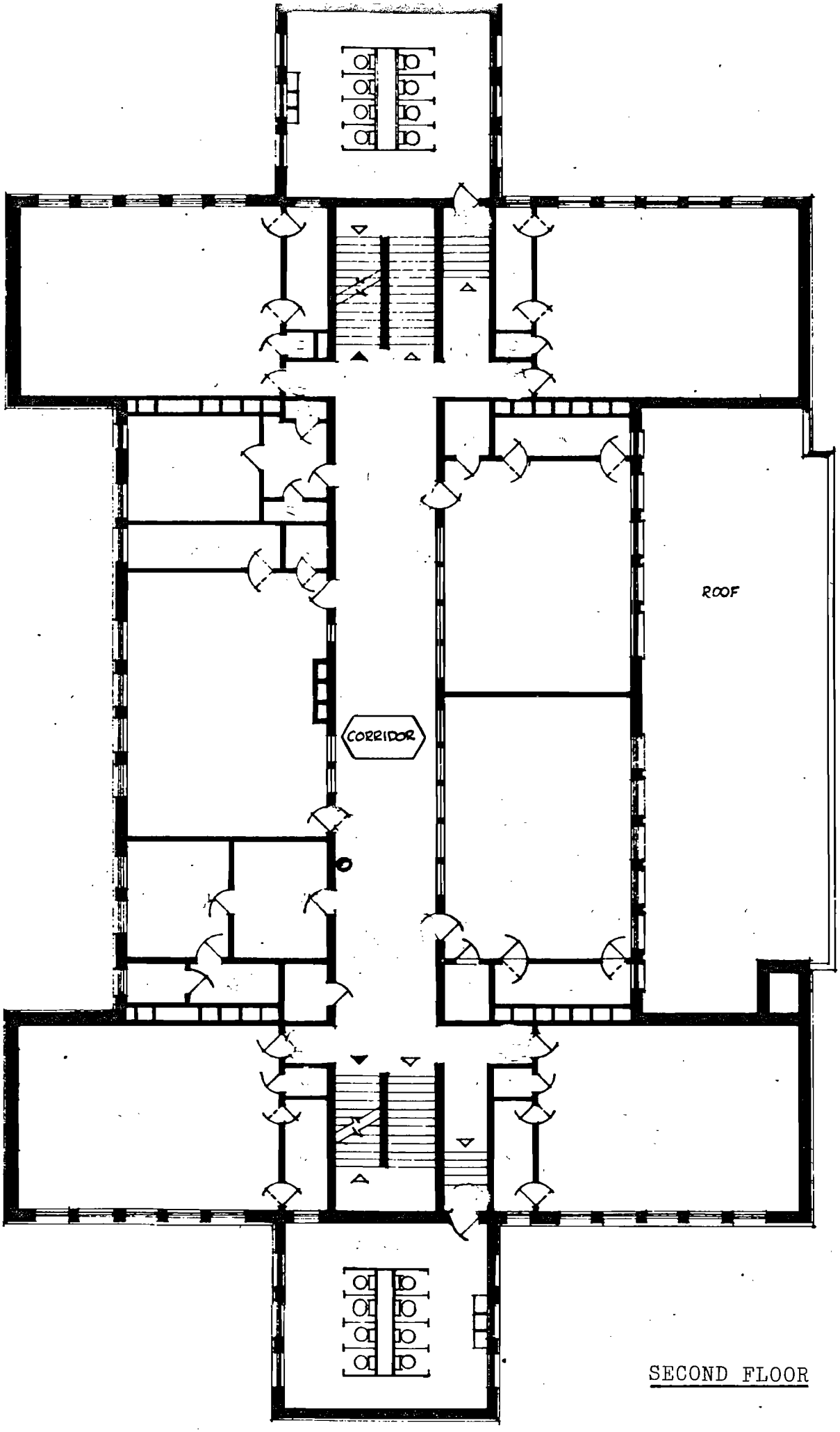

UNEXCAVATED
UNEXCAVATED
STORAGE
FAN ROOM
8-4
1-8 17
1-8 16
1-8 19
8-5
8-2
8-3
CRAWL SPACE
UNEXCAVATED
UNEXCAVATED
1-8 15
8-1
1-8 13
BOILER ROOM
UNEXCAVATED
UNEXCAVATED

BASEMENT

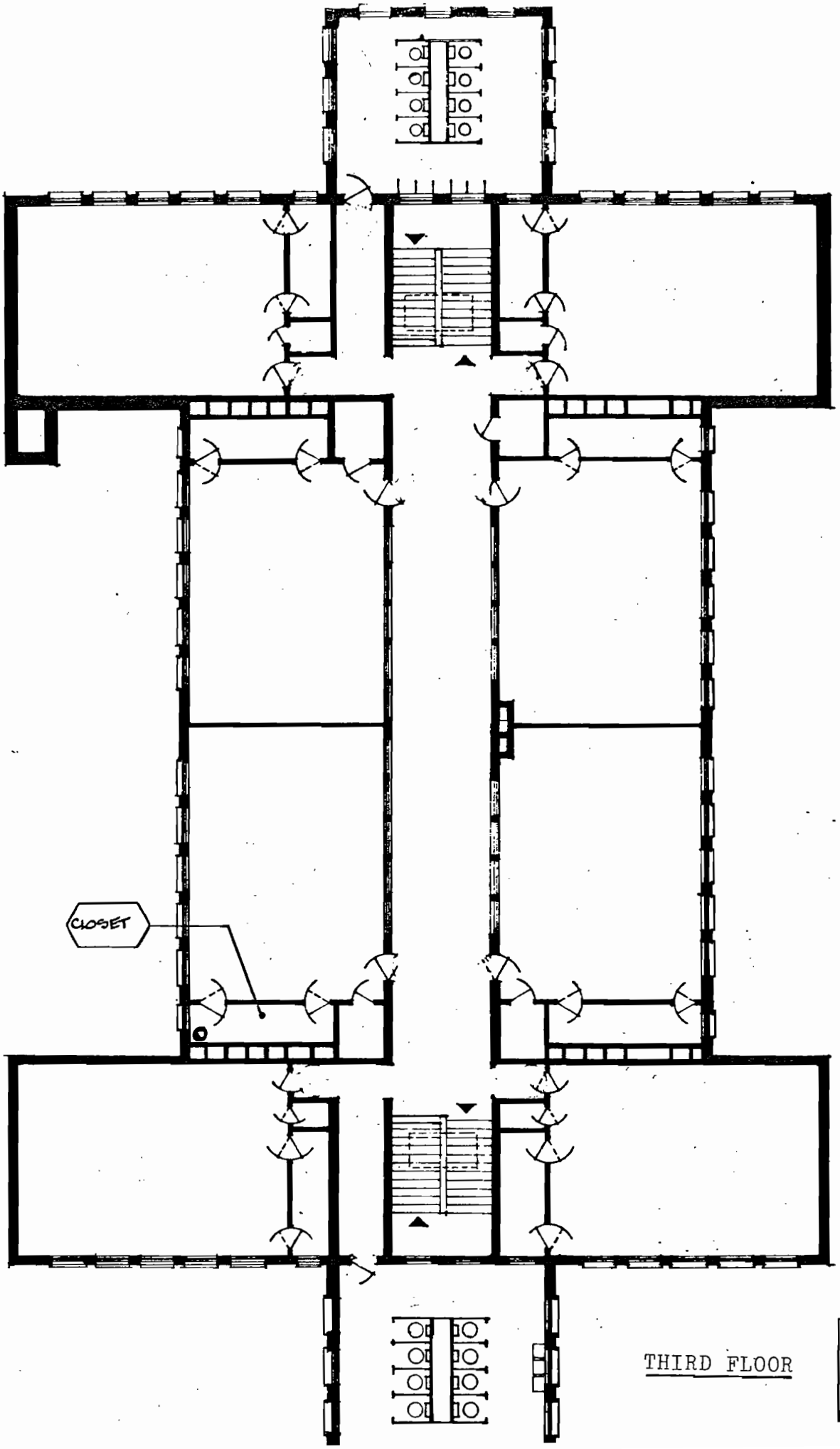
8



FIRST FLOOR

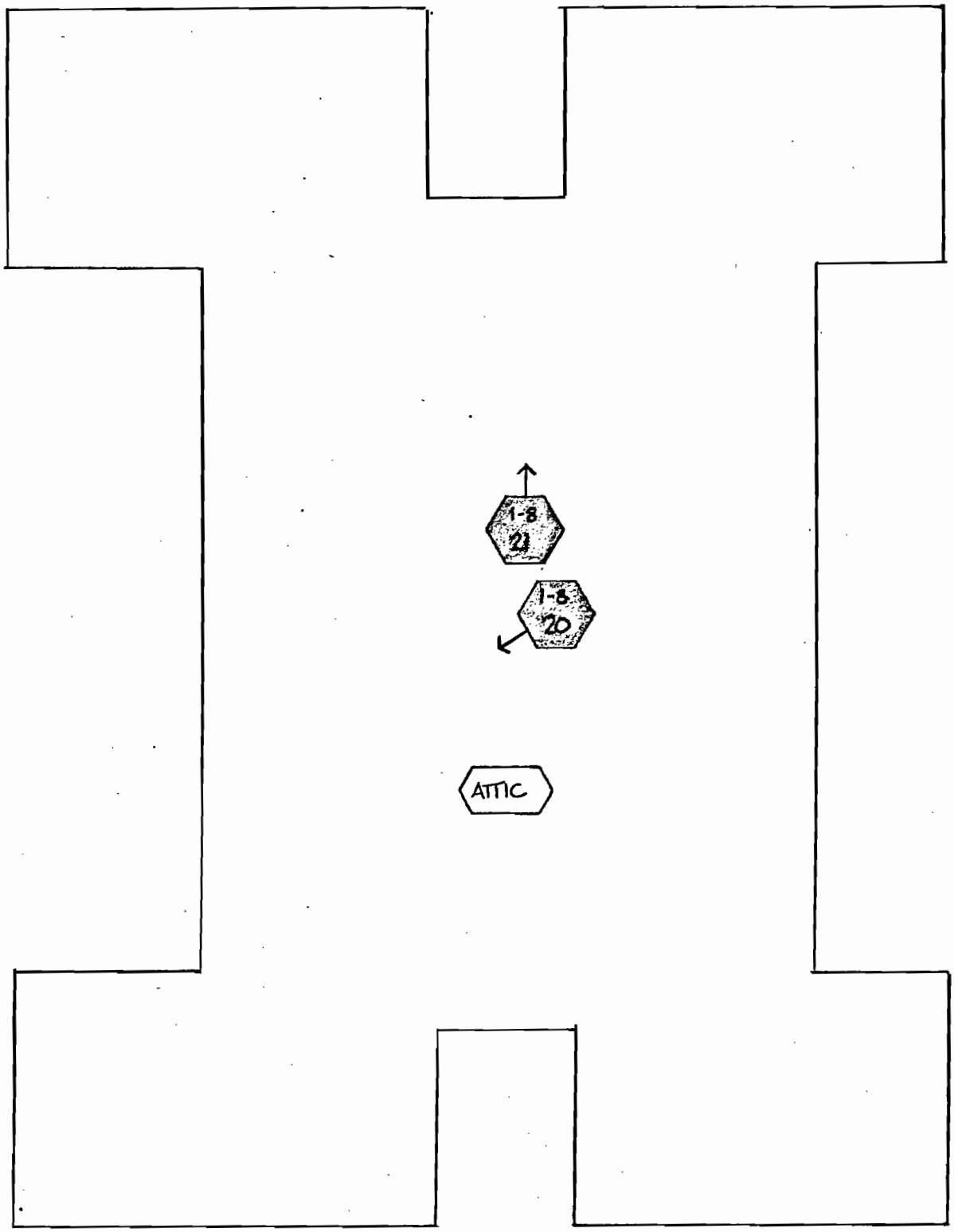


SECOND FLOOR

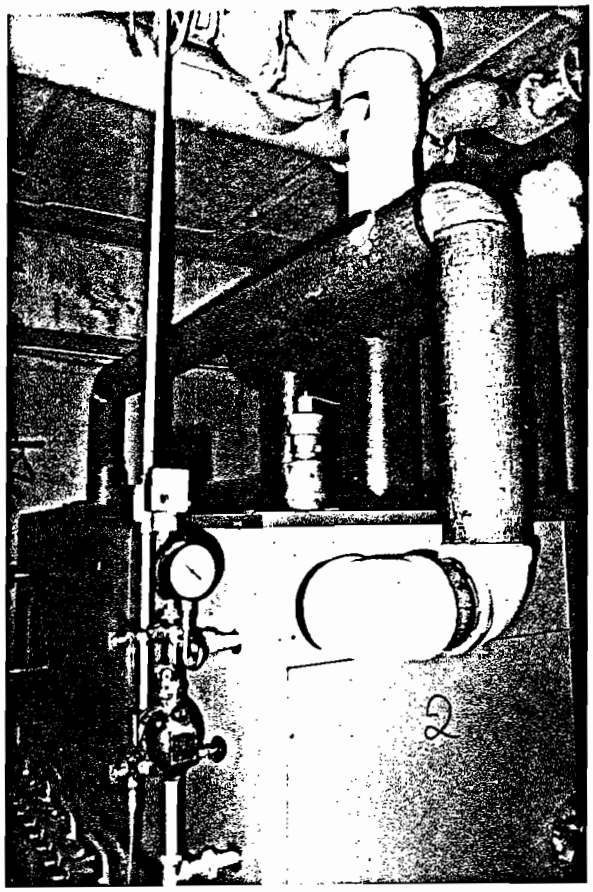


THIRD FLOOR

8

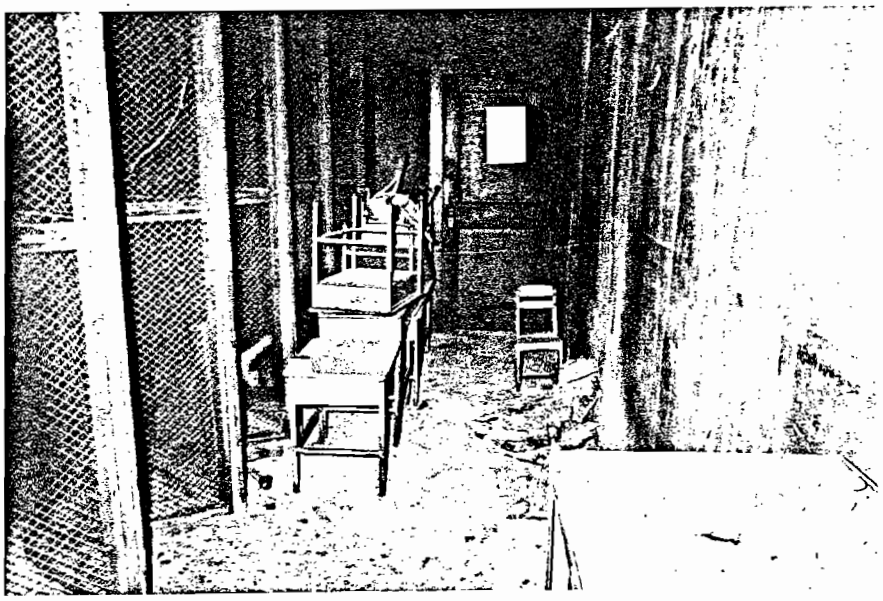


ATTIC



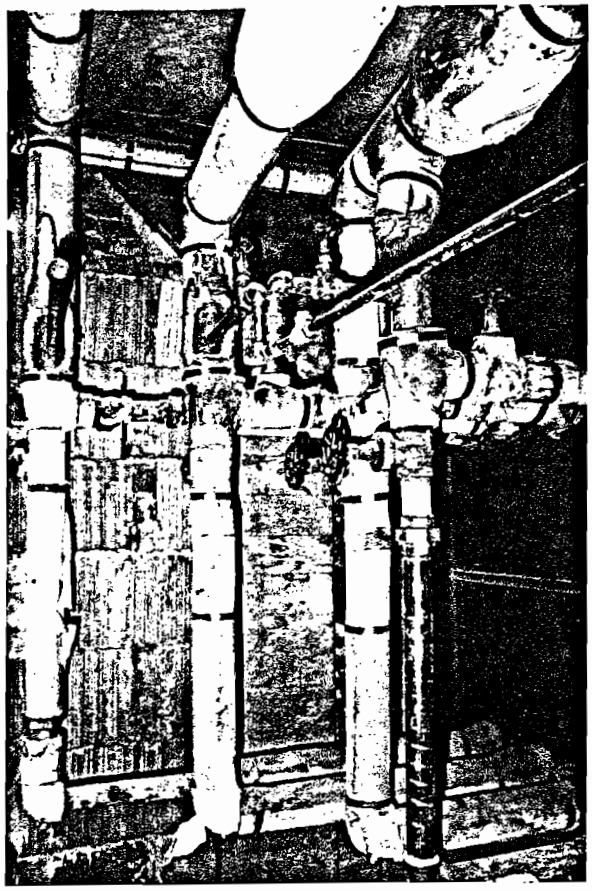
1-8
13

BOILER RM.
MAIN STEAM LINE
@ BOILER #2



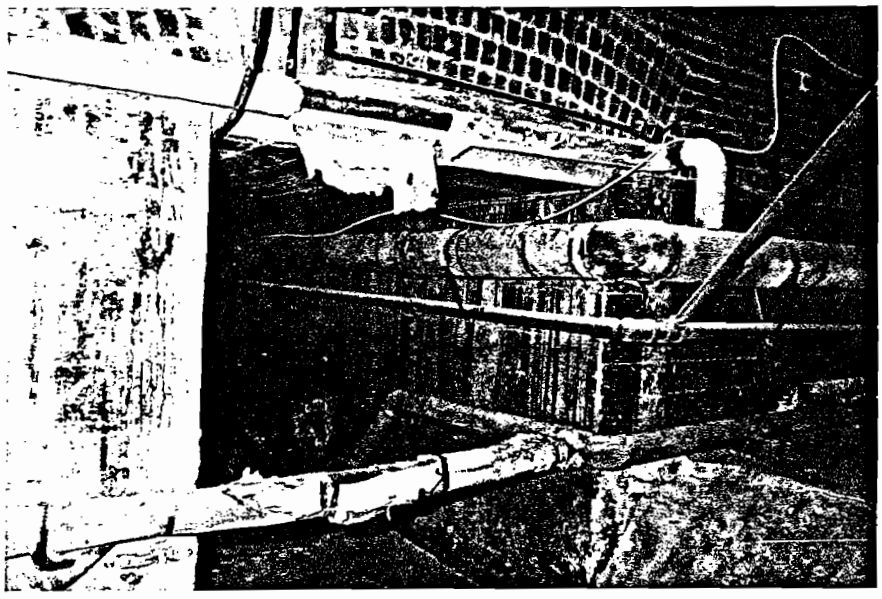
1-8
15

HTG. COIL RM.
DEBRIS FROM DETERIORATED
FIREPROOFING @ CEILING



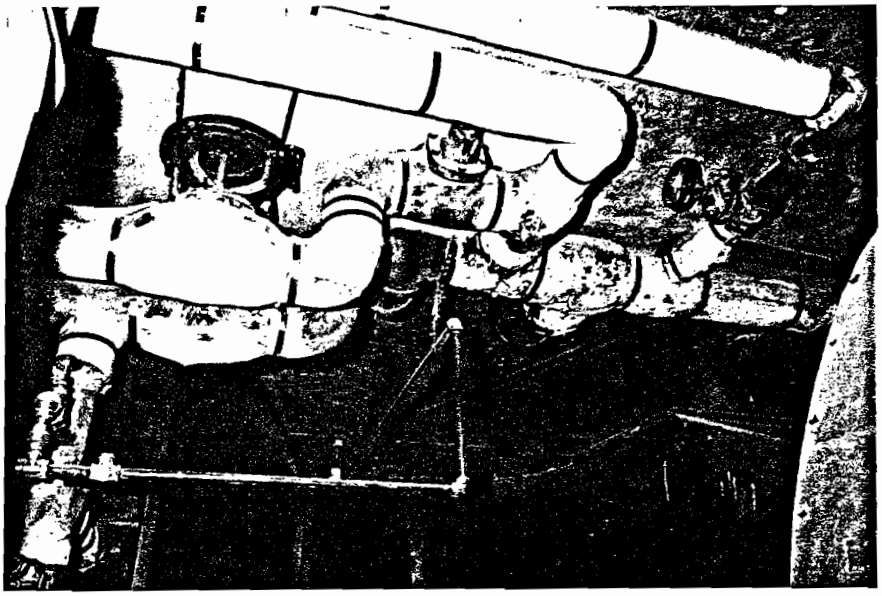
1-8
16

FAN RM.
DETERIORATED PIPE
INSUL.



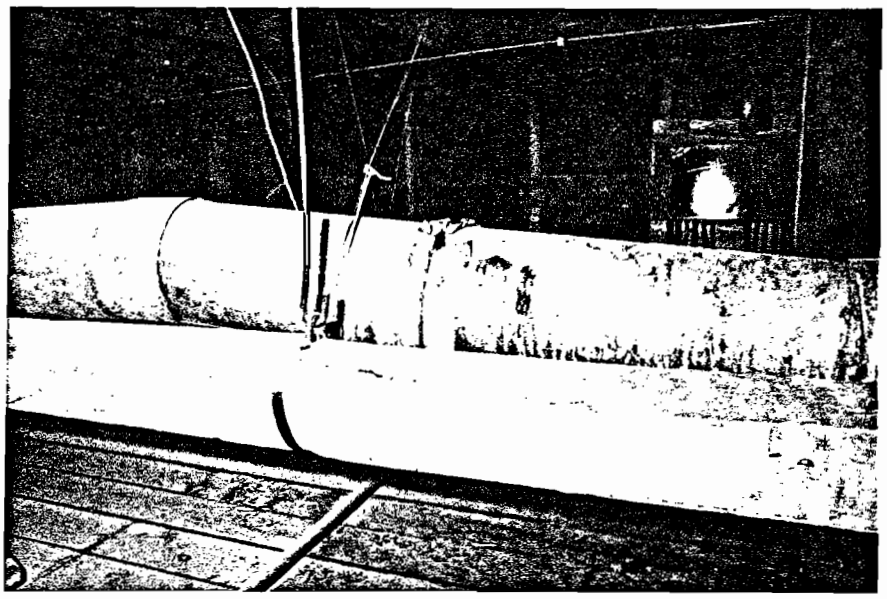
1-8
17

CRAWL SPACE
DETERIORATED PIPE INSUL.



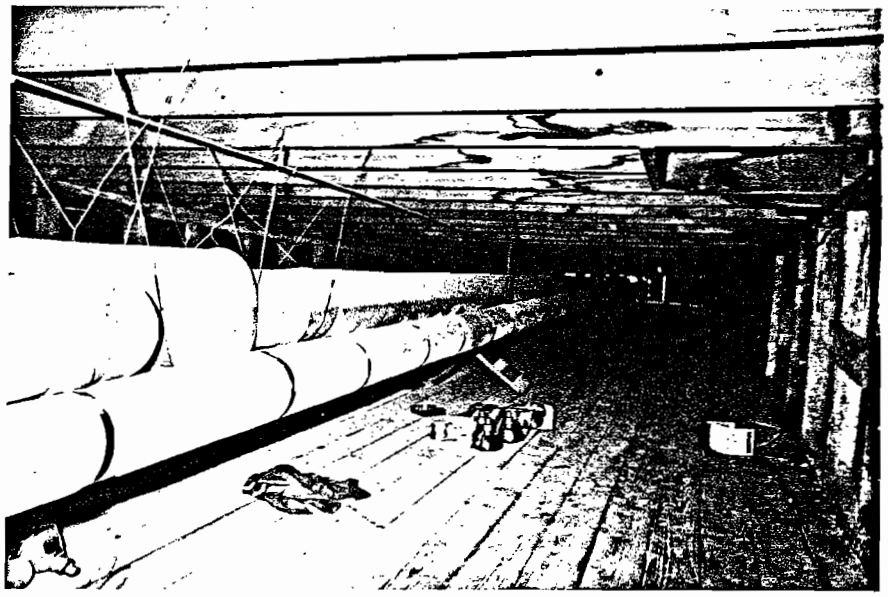
1-8
19

FAN ROOM
PIPE INSUL.



1-8
20

ATTIC
PIPE INSULATION



1-8
21

ATTIC
PIPE INSULATION

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
THOMAS JEFFERSON SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
8-1	#8	11 NOV 1982		BOILER #2, INSUL.	BOILER RM. (elbow)		75	LOW	R		
8-2				ELBOW OF PIPE INSUL	FAN RM.		35	HIGH	R		
8-3				PIPE INSUL (STRAIGHT RUN)	FAN RM & STG. RM	DETER.	40	HIGH	R		
8-4				PIPE INSUL	CRAUL SPACE	DEFERIOR.	50	HIGH	R		
8-5				CEILING MATERIAL (TROWELED ON FIREPROOF)	BOILER RM, & HTG. COIL RM.	BADLY DETERIOR.. (FALLING DOWN)	0	—	—		

KORDIAN W. WICHTOWSKI ARCHITECT
3 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

8 THOMAS JEFFERSON SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of asbestos insulations	$ 4,000	-
	2. New insulations	14,000	$-5,000
		$18,000	$-5,000

10

HORACE MANN SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

10 HORACE MANN SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
- -Breeching insulation
- -Elbows of main H.W. Supply line at boilers
- -H.W. Storage Tank insulation
- -Elbows, joints and fittings of pipe insulation at circulating pumps
- -Elbows, joints and fittings of pipe insulation in Furniture Storage Room, Passage, Janitor Rm., Stair and two Storage Rooms

b) FIRST FLOOR:
- -Acoustic plaster finish on suspended panels in all Corridors
- -Elbows and joints of pipe insulation in Kitchen Storage, Dining Room, Fan Room, Instrument Storage Room and adjacent Closet, Med. Examination Room and adjacent Storage and Nurse's Office

c) SECOND FLOOR:
- -Acoustic plaster finish on suspended panels in all Corridors
- -Elbows and joints of pipe insulation in seven Storage Rooms adjacent to upper part of Gym

RECOMMENDATIONS

-Remove asbestos insulation from breeching, elbows of H.W. Supply lines at boiler, from H.W. Storage Tank. Reinsulate using non-asbestos insulating system.

-Remove asbestos insulation from elbows, joints and fittings at pipe insulation at circulating pumps in Boiler Room and at exposed pipes in other Basement Rms. Reinsulate using pre-formed fiberglass insulation on pipes, elbows and fittings.

-Remove asbestos insulation from elbows, joints and fittings at exposed pipes on First Floor and Second Floor (refer to Floor Plans for location of Rms. involved). Reinsulate using pre-formed fiberglass insulation and PVC jacketing on pipes, elbows and fittings.

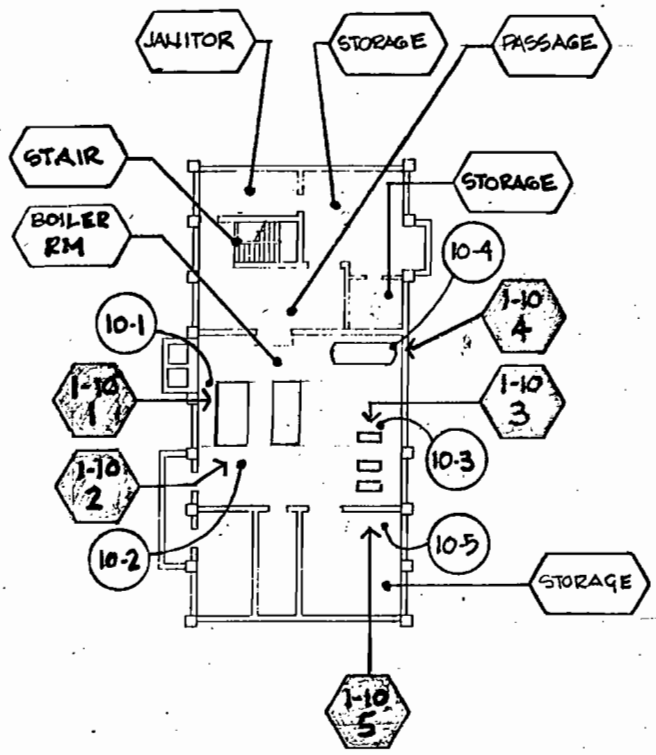
-Remove asbestos acoustic plaster finish from suspended panels in Corridors of First and Second Floor. Refinish with texture paint.

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

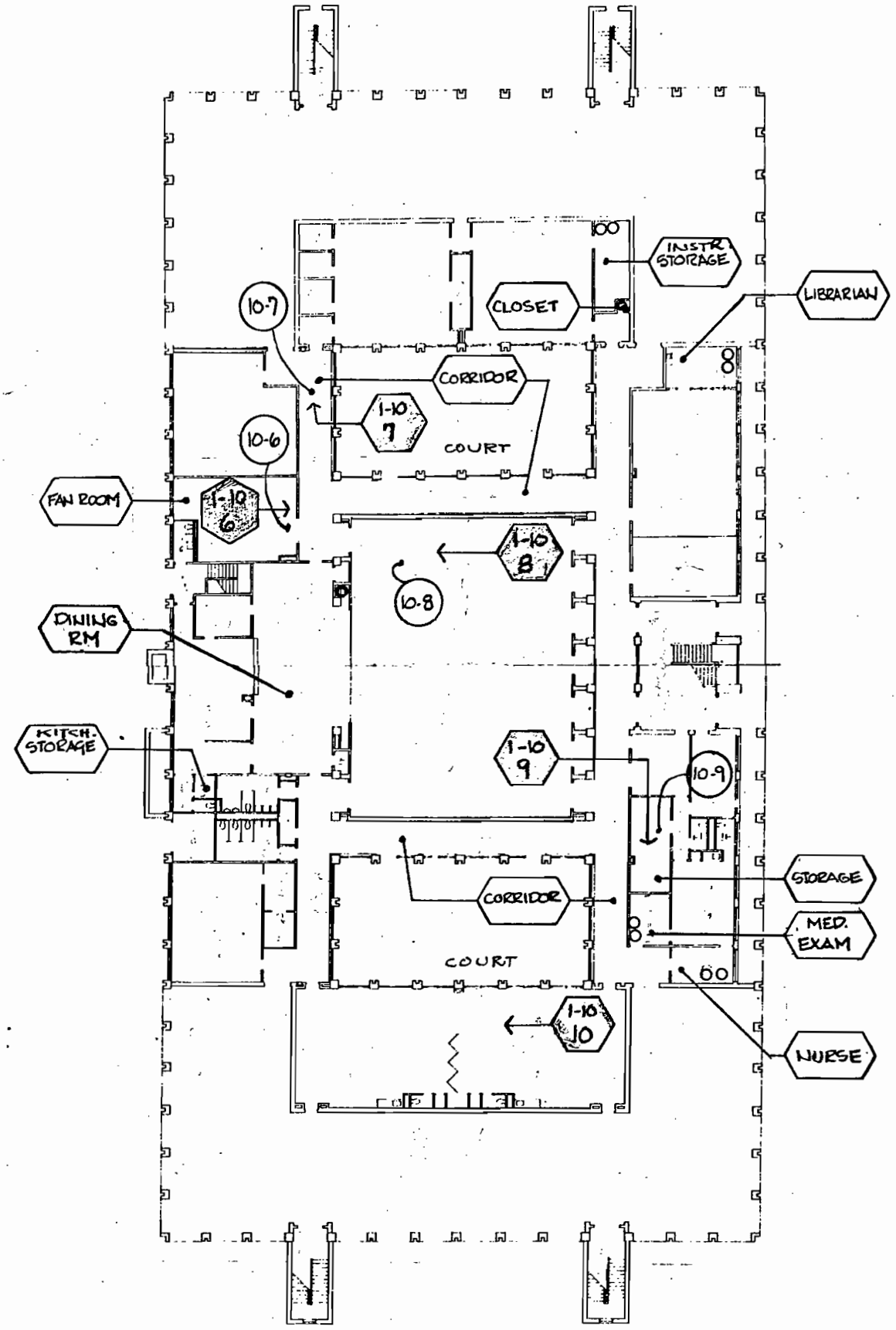
10 HORACE MANN SCHOOL, p.2

ALTERNATES

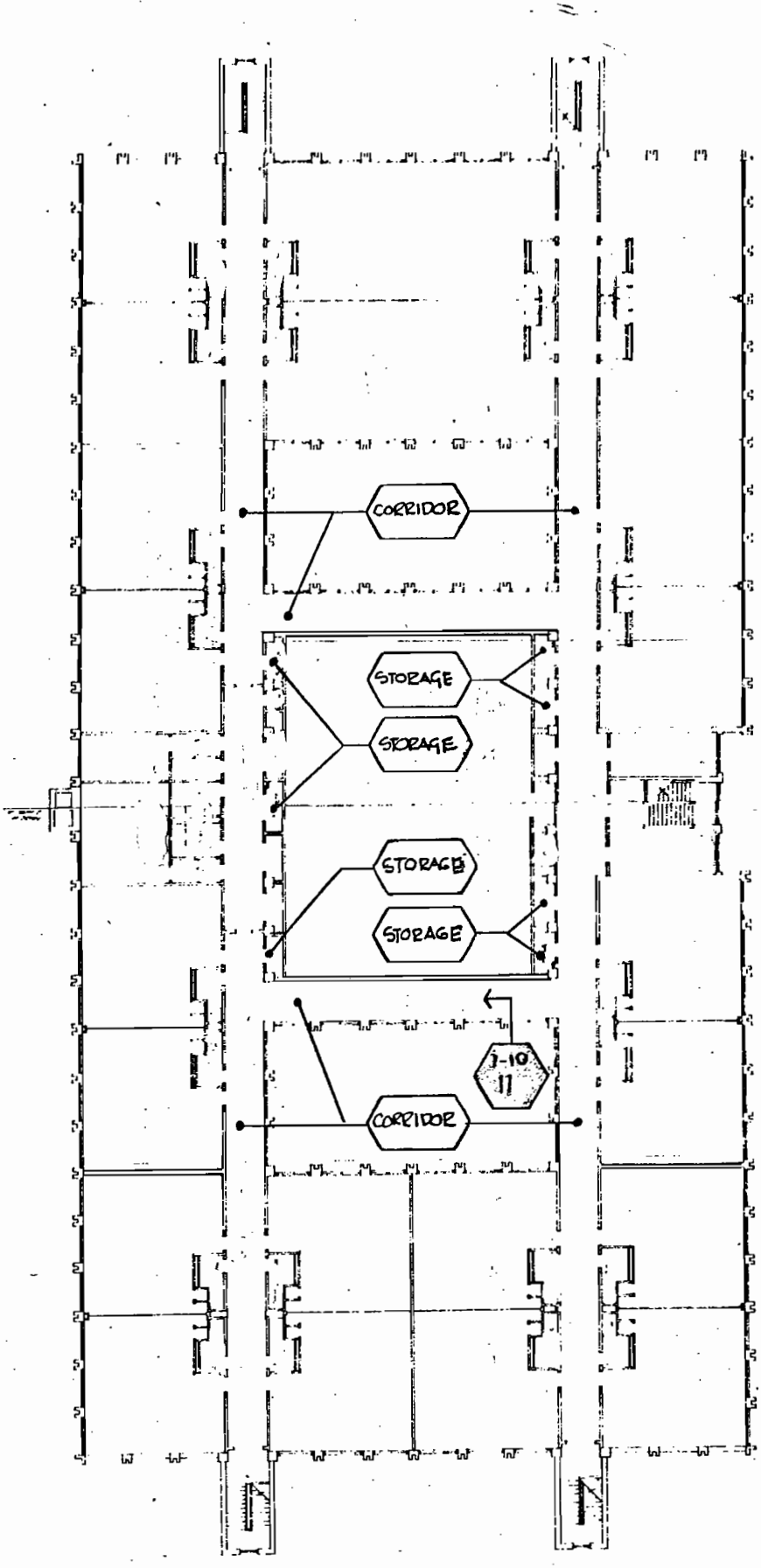
-Patch as necessary and encapsulate breeching, H.W. Storage Tank, elbows, joints and fittings of pipes in Basement and on First and Second Floor. Provide PVC jacketing only on elbows and joints on First and Second Floors.
-Remove and reinsulate only elbows and fittings insulation in Furniture Storage and at pipes to circulating pumps at Basement.
-Defer action on suspended panels in Corridors of First and Second Floors.


JANITOR
STORAGE
PASSAGE
STAIR
STORAGE
BOILER RM
10-4
1-10 4
10-1
1-10 1
1-10 3
10-3
1-10 2
10-2
10-5
STORAGE
1-10 5

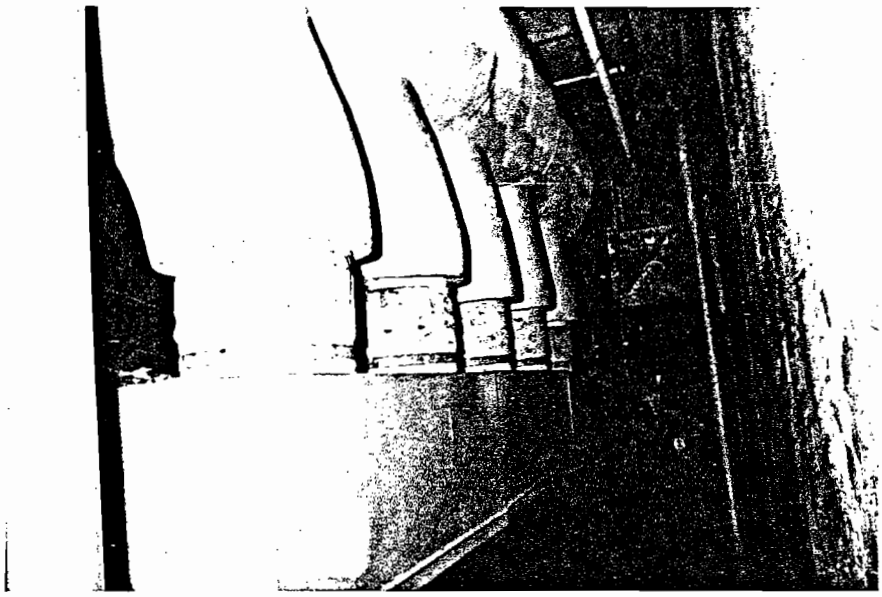
BASEMENT


INSTR. STORAGE
LIBRARIAN
CLOSET
10-7
CORRIDOR
1-10 7
COURT
10-6
FAN ROOM
1-10 6
1-10 8
10-8
DINING RM
KITCH. STORAGE
1-10 9
10-9
STORAGE
CORRIDOR
MED. EXAM
COURT
1-10 10
NURSE

FIRST FLOOR

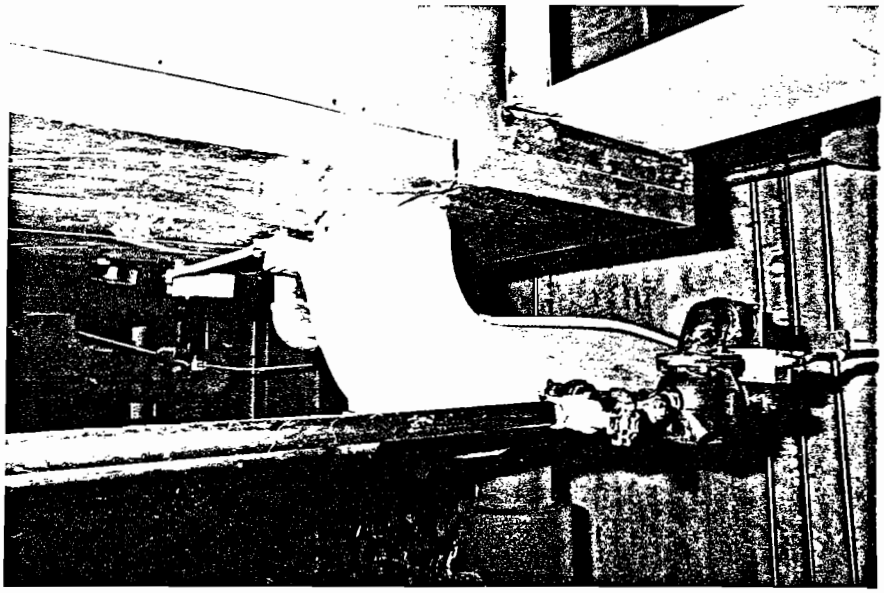


SECOND FLOOR



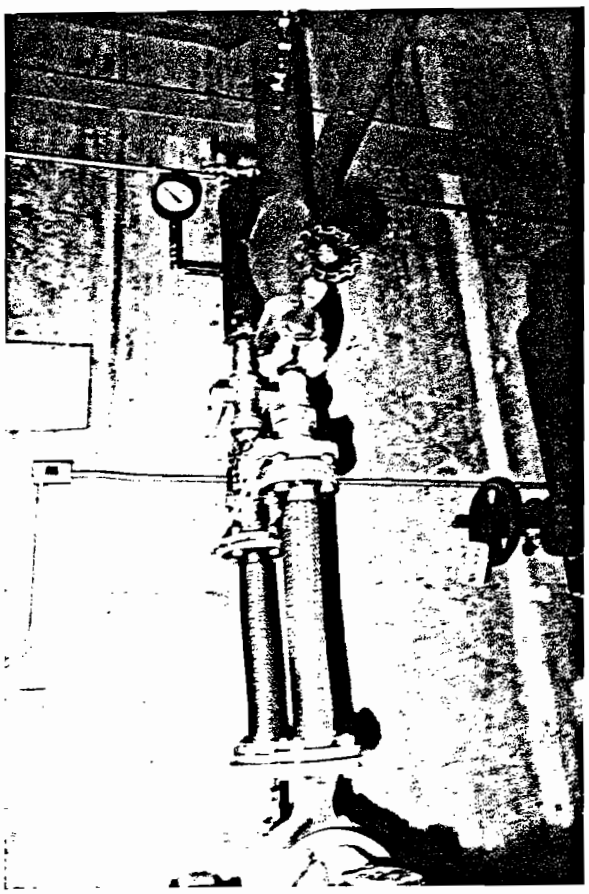
1-10
1

BOILER ROOM
BREECHING, SIDE OF BOILER #2



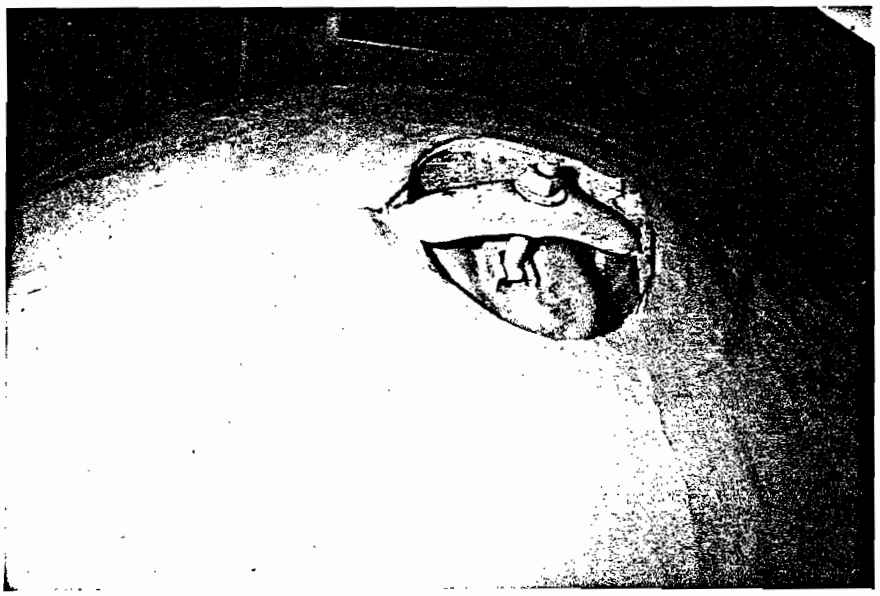
1-10
2

BOILER ROOM
STEAM SUPPLY LINE INSUL.
@ BOILER #2



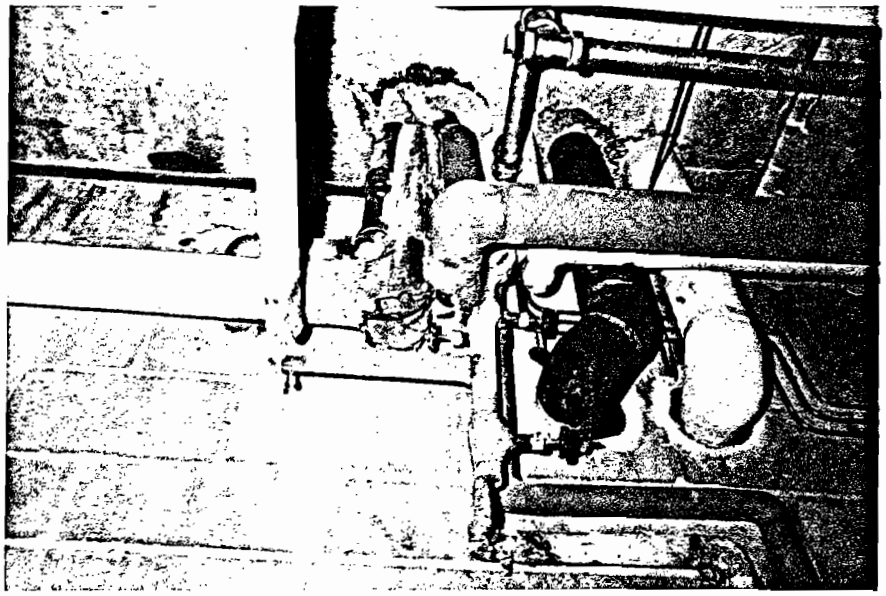
1-10
3

BOILER RM.
CIRCULAT. PUMP
(INSUL. @ JOINT & VALVE DAMAGED



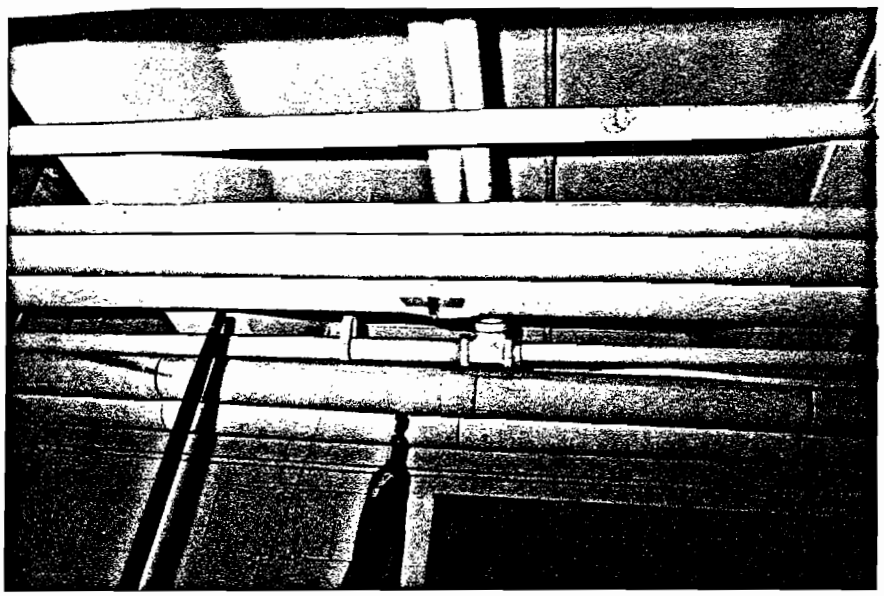
1-10
4

BOILER RM.
H.W. TANK INSUL. @ END OF TANK



1-10
5

STORAGE RM.
PIPE INSUL. @ ELBOWS (DAMAGED)



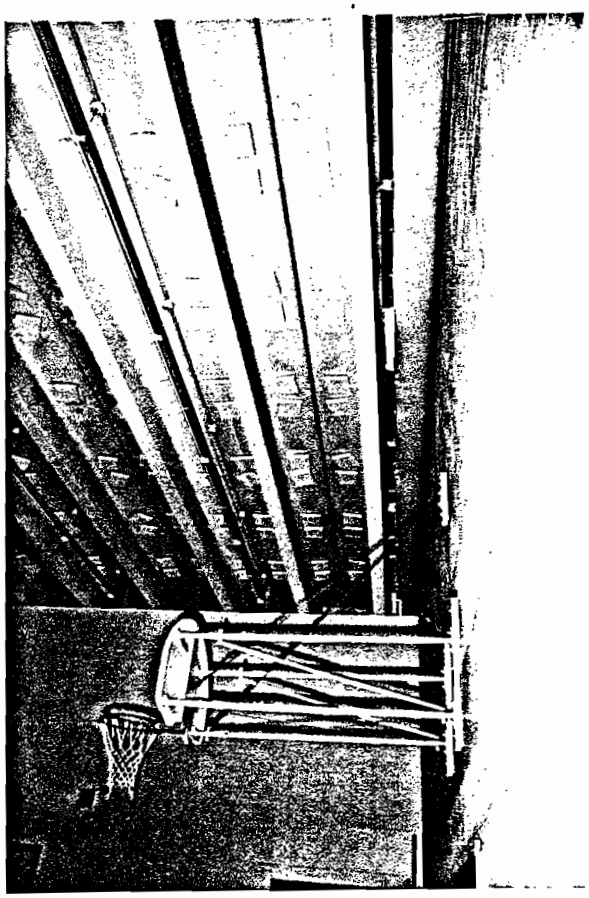
1-10
6

FAN RM. #141
FIRST FLOOR
PIPE INSUL. @ JOINTS



1-10
7

CORRIDOR 142, 1ST FL.
SUSPENDED ACOUST.
CEILING PANEL



1-10
8

GYM 159
ACOUSTICAL TILE
@ CEILING



1-10
9

STORAGE 111
PIPE INSUL. @ ELBOWS



1-10
10

KINDERGARDEN 116
ACOUSTICAL TILES
@ CEILING



1-10
11

CORRIDOR 206
SUSPENDED ACOUSTICAL
CEILING PANELS

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOUROES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
HORACE MANN SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
10-1	# 10 HORACE MANN ELEM	11 NOV 1982		BREECHING INSUL.	BOILER RM		65	MODER.	R		
10-2				H.W. SUPPLY PIPE AT BOILER #3		DAMAGED INSUL	10	MODER	R		
10-3				PIPE AT CIRCUL. PUMP			10	MODER	R		
10-4				H.W. TANK @ END	↓	DAMAGED INSUL	70	MODER	R		
10-5				INSUL. CEM. @ PIPE ELBOW	FURNITURE STORAGE	DAMAG. INSUL.	10	HIGH	R		
10-6			141	PIPE JOINT	FAN RM		10	LOW	R		
10-7			142	SPRAY FINISH ON SUSP. PANEL	CORRIDOR		20	LOW	R	D. IS FEASIBLE AS ALT.	
10-8			159	ACOUSTIC SQUARES @ CLG	GYM		0	—	—		
10-9	↓	↓	111	ELBOW @ PIPE INSUL	STORAGE		5	LOW	R		

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

10 HORACE MANN SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of asbestos insulation and finishes - provide new finishes	$ 12,500	$ -9,500
	2. New insulations	6,000	-5,000
		$ 18,500	$-14,500

11

THEODORE ROOSEVELT SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

11 THEODORE ROOSEVELT SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
- -Boiler breeching insulation at elbows and ends
- -Emergency generator exhaust insulation
- -Breeching insulation at domestic H.W. Heaters
- -Air Eliminator insulation
- -Elbows and joints of pipe insulation in Crawl Spaces

b) FIRST, SECOND & THIRD FLOORS:
- -Elbows and joints of pipe insulation in Pipe Chases, Custodian Rooms and above suspended ceilings
- -Spray fireproofing was found in Fan Room, Pipe Chases, Custodian Rooms and above all suspended ceilings (sprayed on ceiling roof metal deck, structural steel beams and joists, walls, pipe insulation, electrical conduits, rock wool wall insulation, etc.
- -Spray fireproofing is expected to be present above ceilings in the Gymnasium (a ceiling drop), Library, and miscellaneous Rooms with non-accessible suspended ceilings having plaster finish. This conclusion is based on our review of details, plans and sections on available existing Drawings.
- -Spray fireproofing is not expected to be present above the ceilings of the Auditeria and Stage. This conclusion is based, again, on our review of plans and sections on available Drawings.
- -Spray fireproofing was not found above suspended ceilings of Kitchen area.

RECOMMENDATIONS

- -Remove asbestos insulation from boiler's breechings, emergency generator exhaust and from Domestic H.W. Heater's breeching. Reinsulate using appropriate non-asbestos insulating system.
- -Remove asbestos insulation from Air Eliminator and from end caps and miscellaneous fittings of fiberglass pipes at circulating pumps. Reinsulate using pre-molded fiberglass insulation with PVC at end caps.
- -Remove asbestos insulation from elbows and joints of pipes in Crawl Spaces.

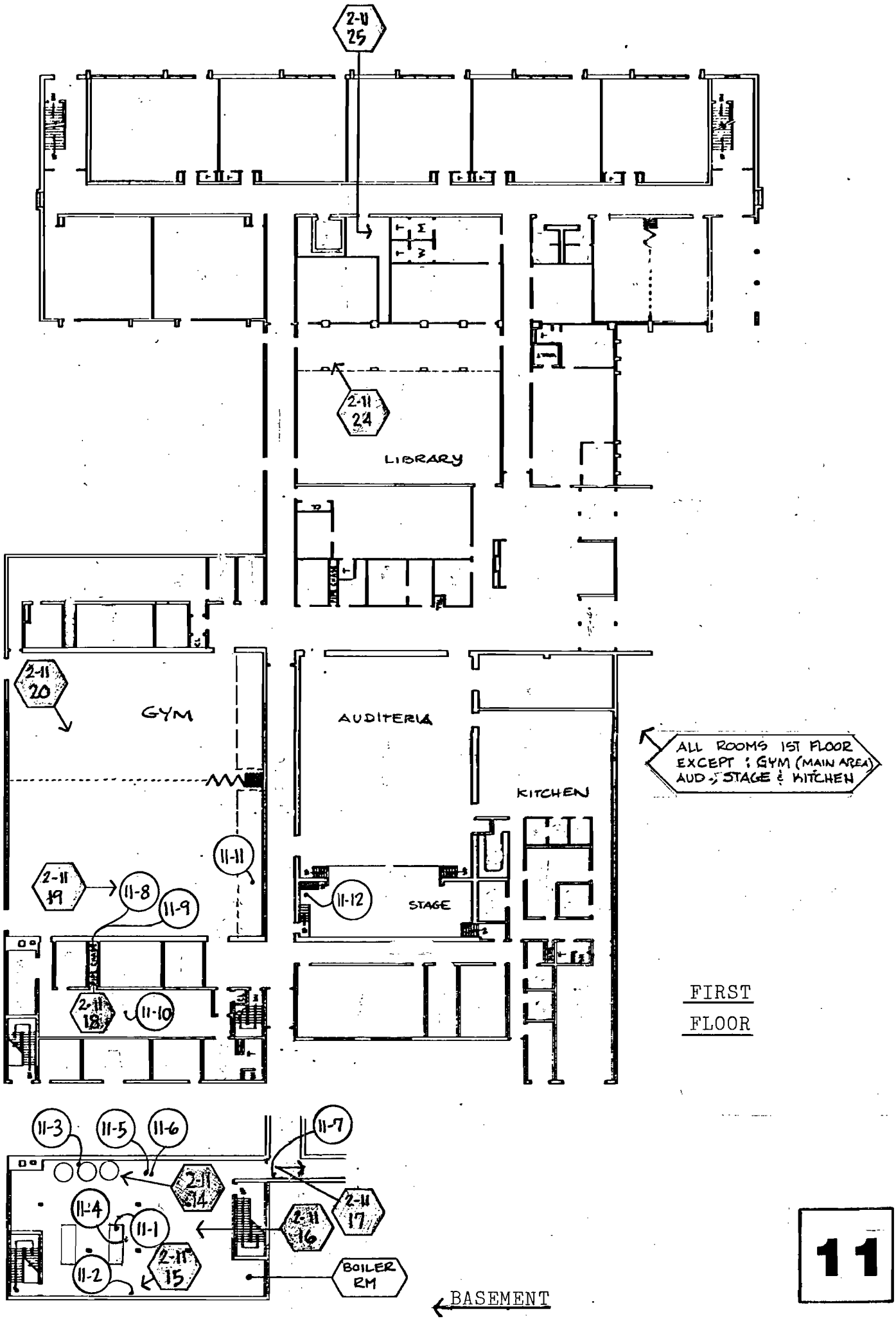
KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

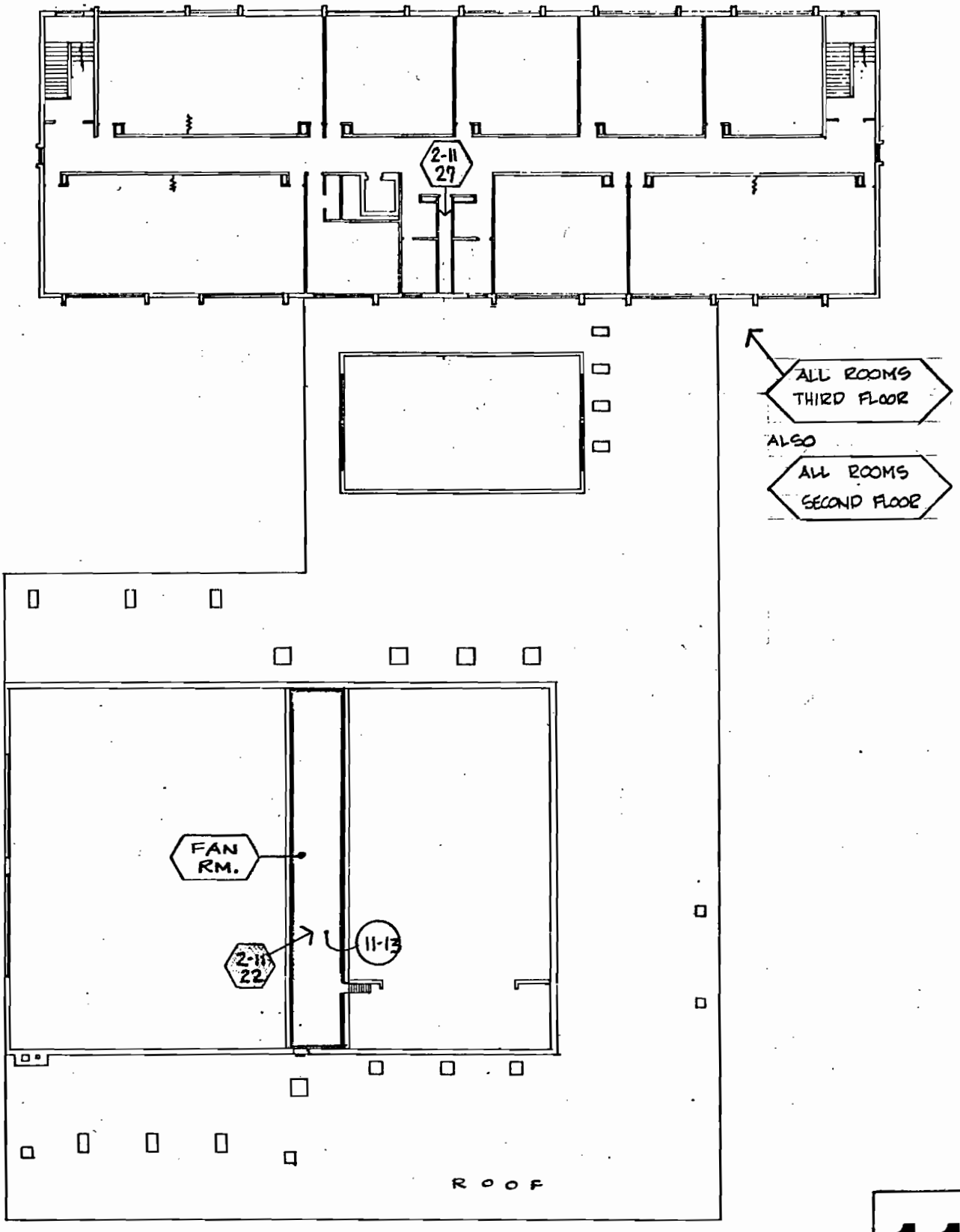
RECOMMENDATIONS (CONT'D)

-Remove all asbestos spray fireproofing. Work involves the following: Removal of all ceilings (except in Auditeria, Stage, Kitchen areas and Gym main area. Removal of all light fixtures, exit lights, PA system, fire detection sensors, etc. After removal, encapsulate all surfaces above suspended ceilings to bond any residue of spray fireproofing to existing metal and masonry surfaces. Installation of new suspended thermally insulated T-bar ceilings grid and panels. Clean-up/decontamination of removed existing light fixtures from Corridors, Library and Lockers and reinstallation in new suspended ceilings. Installation of new energy efficient fluorescent recessed light fixtures in Classrooms and other Rooms where existing light fixtures are surface mounted. Clean-up/decontamination of removed perforated aluminum ceiling pans removed from Locker Room areas. Reinstallation with new inserts (fiberglass pads enclosed in polyethylene). Installation of new insulated drywall ceiling drop (soffit and fascia) in Gymnasium; painting of same. Installation of new insulated drywall fascia at ceiling drop in Library; painting of the above.
-Removal of oversprayed existing exposed wall insulation; reinsulation using fiberglass batts.
-Removal of all existing exposed pipe insulation from areas above suspended ceilings and Pipe Chases, etc. (contaminated by spray fireproofing). Reinsulation using pre-molded fiberglass on pipes, elbows and fittings.

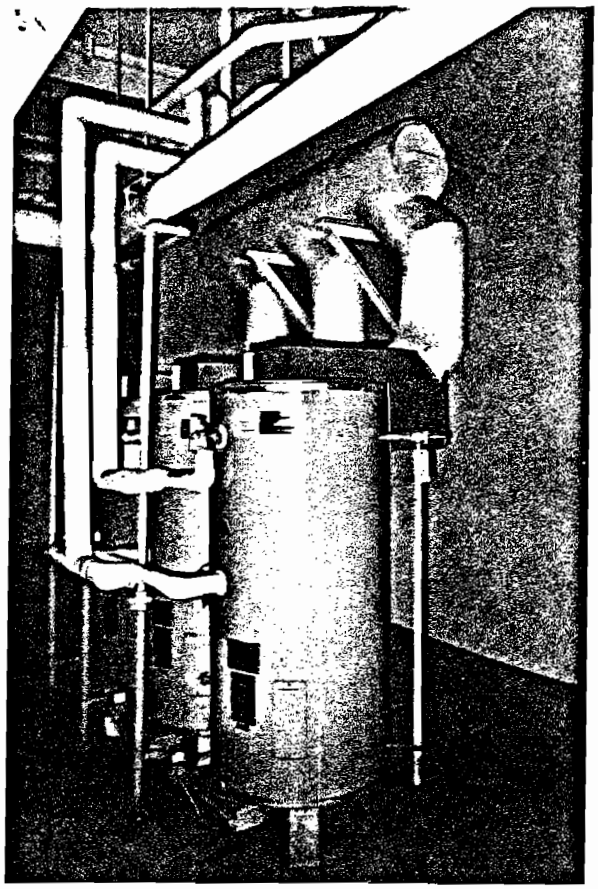
ALTERNATES

-Delete thermal insulation of new ceilings.
-Delete new energy efficient recessed light fixtures (in Classrooms and similar spaces). Clean and reinstall old surface mounted light fixtures in those areas.
-Encapsulate asbestos insulations in Boiler Room instead of removal and reinsulation.
-Encapsulate elbows and joints of pipe insulation in Crawl Spaces.


2-11 25
2-11 24
LIBRARY
2-11 20
GYM
AUDITERIA
KITCHEN
ALL ROOMS 1ST FLOOR EXCEPT : GYM (MAIN AREA) AUD ; STAGE & KITCHEN
11-11
2-11 19
11-8
11-9
11-12
STAGE
2-11 18
11-10
FIRST FLOOR
11-3
11-5
11-6
11-7
2-11 14
11-4
11-1
2-11 16
2-11 17
2-11 15
11-2
BOILER RM
BASEMENT

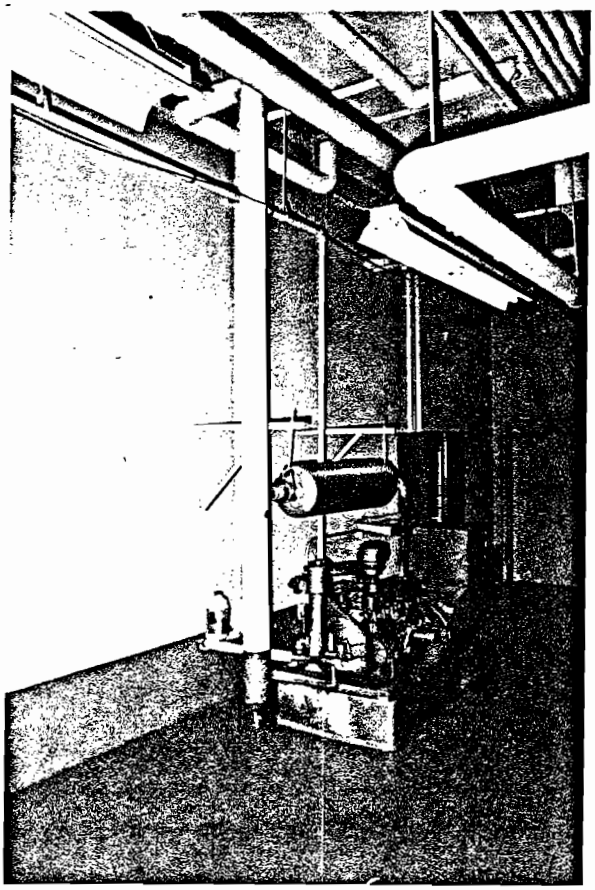

2-11
27
ALL ROOMS
THIRD FLOOR
ALSO
ALL ROOMS
SECOND FLOOR
FAN
RM.
2-11
22
11-13
ROOF

THIRD FLOOR



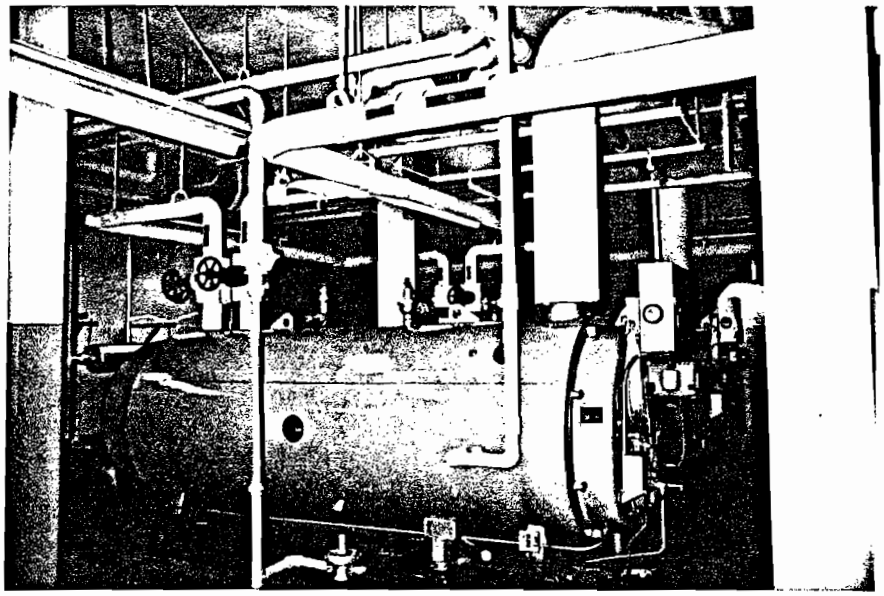
2-11
14

BOILER RM.
H.W. HEATERS
(DOMESTIC H.W.)



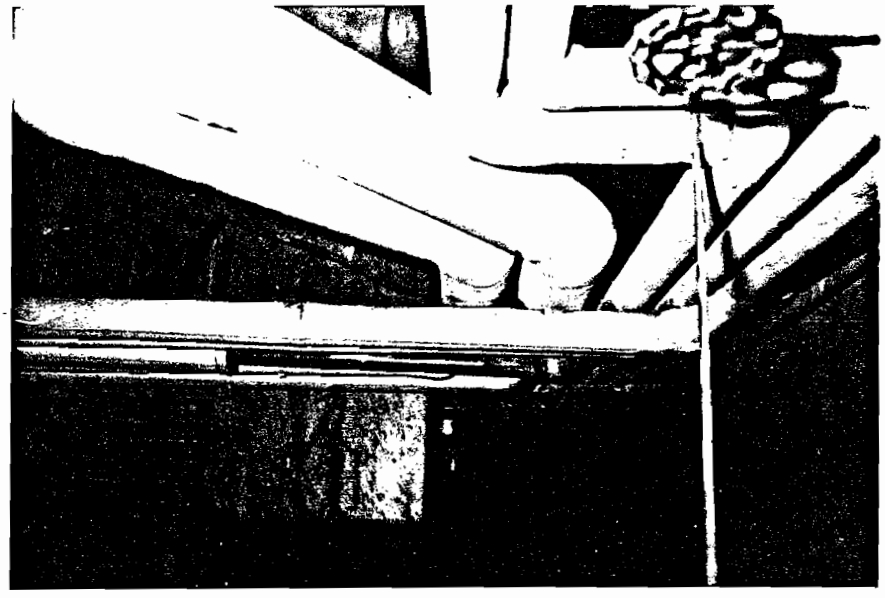
2-11
15

BOILER RM.
EMERGENCY GENERATOR
EXHAUST INSULATION



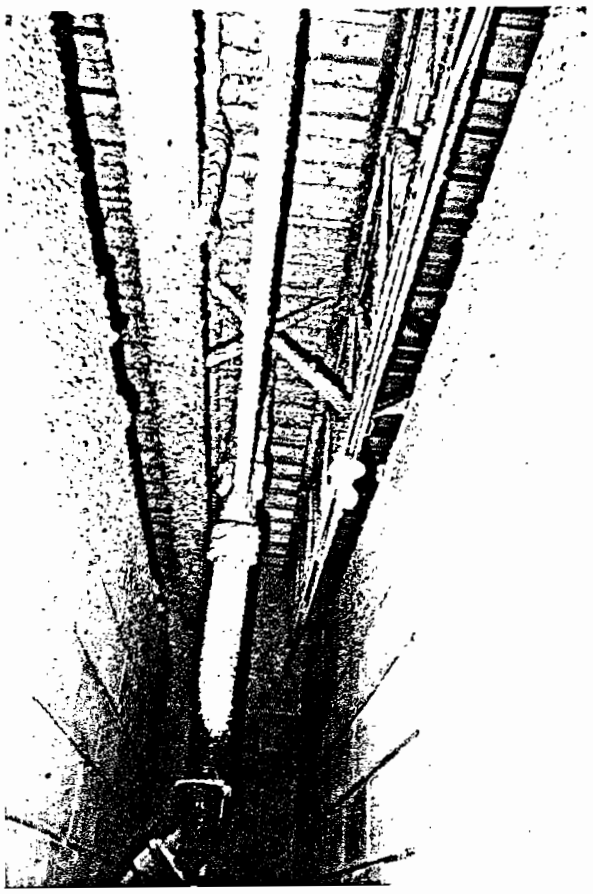
2-11
16

BOILER ROOM
BREECHING & H.W.H. PIPE INSUL.
(AT ELBOWS & JOINTS)



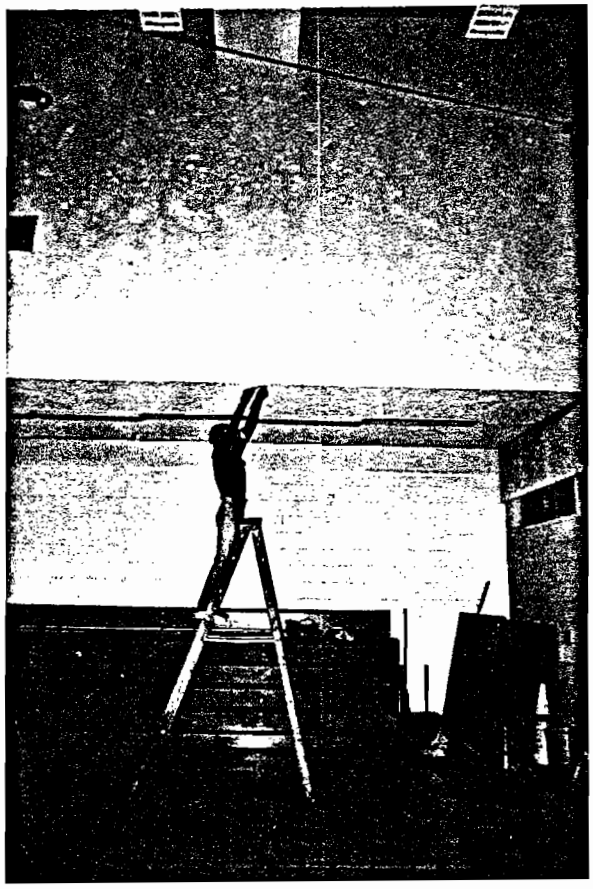
2-11
17

PIPE TUNNEL
FROM BOILER ROOM
PIPE INSUL. (@ ELBOWS & JOINTS)



2-11
18

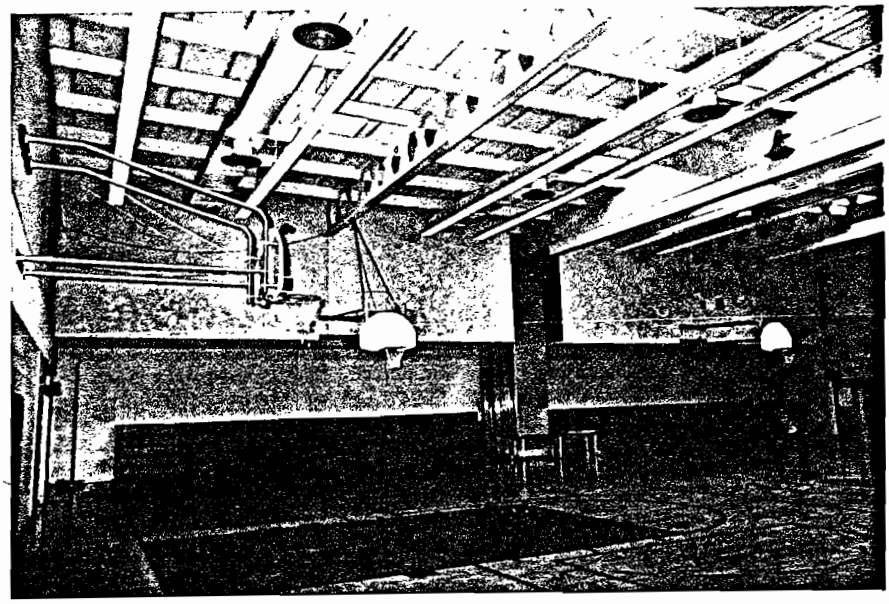
PIPE CHASE OF LOCKER RM. - SPRAY FIREPROOF @ STRUCTURAL STEEL, ROOF DECK & WALLS



2-11
19

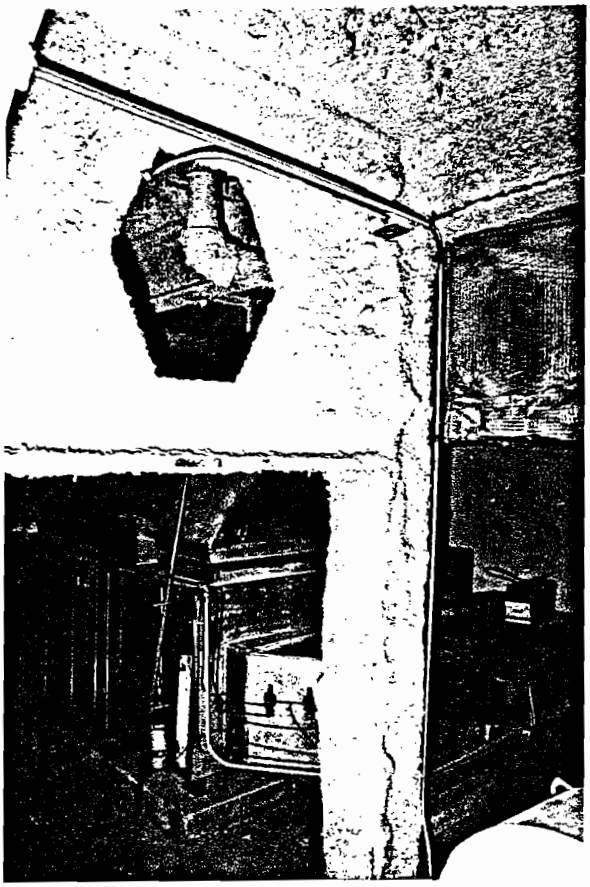
GYM

ACOUSTICAL PLASTER @ FASCIA & SOFFIT ABOVE



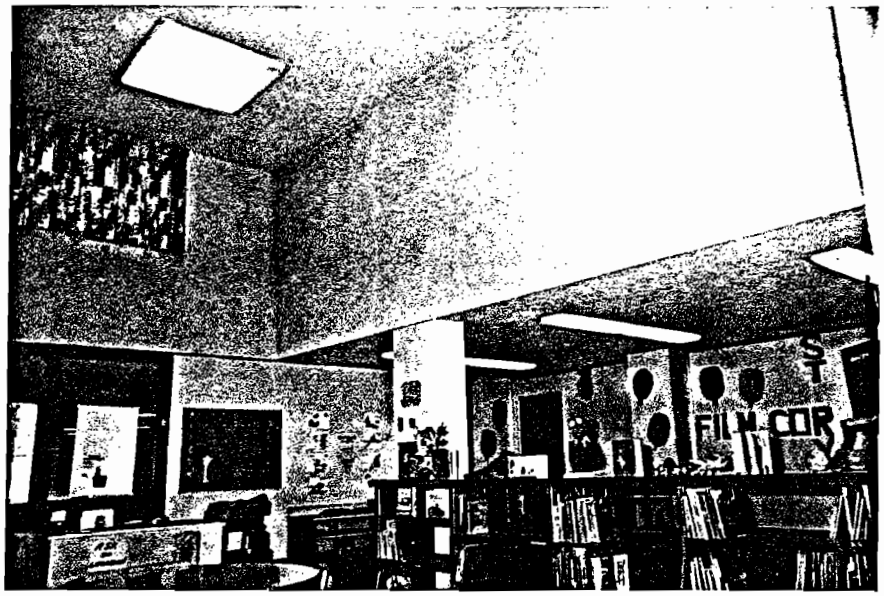
2-11
20

GYM



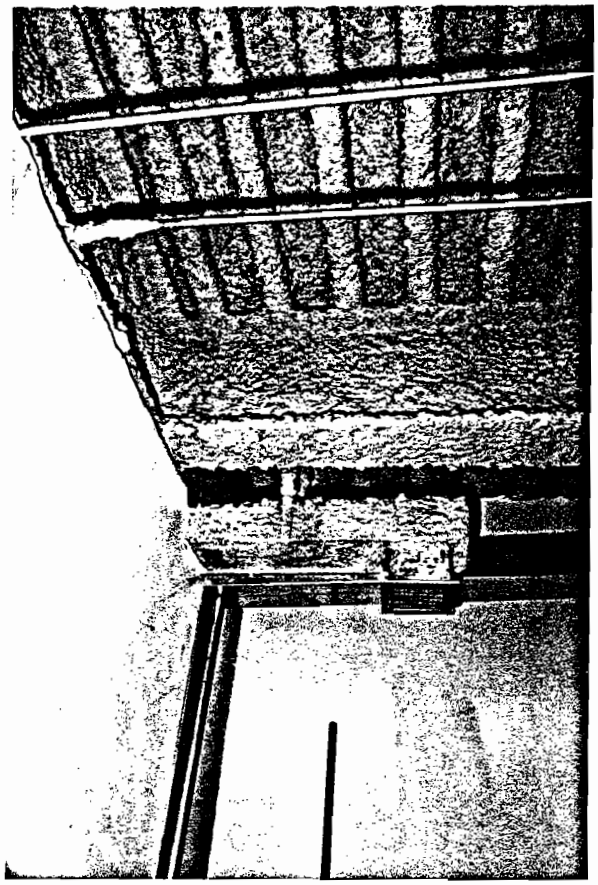
2-11
22

FAN ROOM
SPRAY FIREPROOFING
@ STRUCTURAL STEEL,
ROOF DECK, ETC.



2-11
24

LIBRARY
ACOUSTICAL PLASTER @ CEILING
& UPPER WALLS



2-11
25

CUSTODIAN ROOM
SPRAY FIREPROOF
@ CEILING & DUCTWORK



2-11
27

PIPE CHASE @ 3RD FLOOR
SPRAY FIREPROOF @ CEILING & PIPES
PIPE INSUL. @ ELBOWS & JOINTS

KORDIAN W. WICHTOWSKI ARCHITECT
9 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

Owner: BINGHAMTON CITY SCHOOL DIST., THEODORE ROOSEVELT SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	ALT.
11-1	#11	13 NOV 1982		BOILER BREECHING	BOILER RM.		70		R		
11-2				EMERG. GENER. EXH. PIPE			25		R		
11-3				H.W. HEATERS BREECHING			55		R		
11-4				ELBOW OF FIBERGL PIPE INSUL			0	—	—		
11-5				END CAP INSUL. CEM @ CIRCUL. PUMPS			50		R		
11-6				AIR ELIM. @ CIRCUL PUMPS	↓		50		R		
11-7				JOINT @ FIBERGL PIPE INSUL	CRAWL SPACE		2	LOW	R		
11-8	↓	↓		SPRAY FIREPROOF @ STRUCT. STEEL	PIPE CHASE CLOSET (LOCKER RM)	V. FRIABLE	35	V. HIGH	R		

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
THEODORE ROOSEVELT SCHOOL

R - REMOVAL
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EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	RECOMMENDATION Remarks	ALT
11-9	#11	13 NOV 1982		ELBOW @ FIBERGL PIPE INSUL.	PIPE CHASE CLOSET (LOCKER RM)		5	MODER.	R		
11-10				FIBERBD. CLG. TILE W/ PERF. MET. FACE	LOCKER RM		0	—	R	REMOVE TO ALLOW REMOVAL OF SPRAY FIREPROOF ABOVE	
11-11				ACOUSTIC FINISH @ CLG & FASCIA ABOVE BLEACHERS	GYM	V. FRIABLE	0	—	—		
11-12				ACOUSTIC FINISH @ CEILING	STAGE		0	—	—		
11-13	↓	↓		SPRAY FIREPROOF	FAN RM.	V. FRIABLE	30	V. HIGH	R		

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

11 THEODORE ROOSEVELT SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of spray fireproofing - encapsulating, painting, removal of contaminated wall insulations	$105,000	-
	2. Removals of asbestos insulations	9,000	$ -1,300
	3. Removal and replacement of suspended ceilings, drywalls (including painting)	154,800	-19,000
	4. New light fixtures	58,000	-44,000
	5. Electric work on wiring and misc.	16,000	-
	6. New insulations	21,000	-10,000
		$363,800	$-74,300

12

CALVIN COOLIDGE SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

12 CALVIN COOLIDGE SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
   - -Main steam supply lines in Boiler Room (other than fiberglass)
   - -Pipe insulation in Crawl Spaces
   - -Pipe insulation in Stair and Mechanical Room

b) FIRST FLOOR:
   - -Pipe insulation in two Pipe Chases and above old plaster ceiling in Corridors

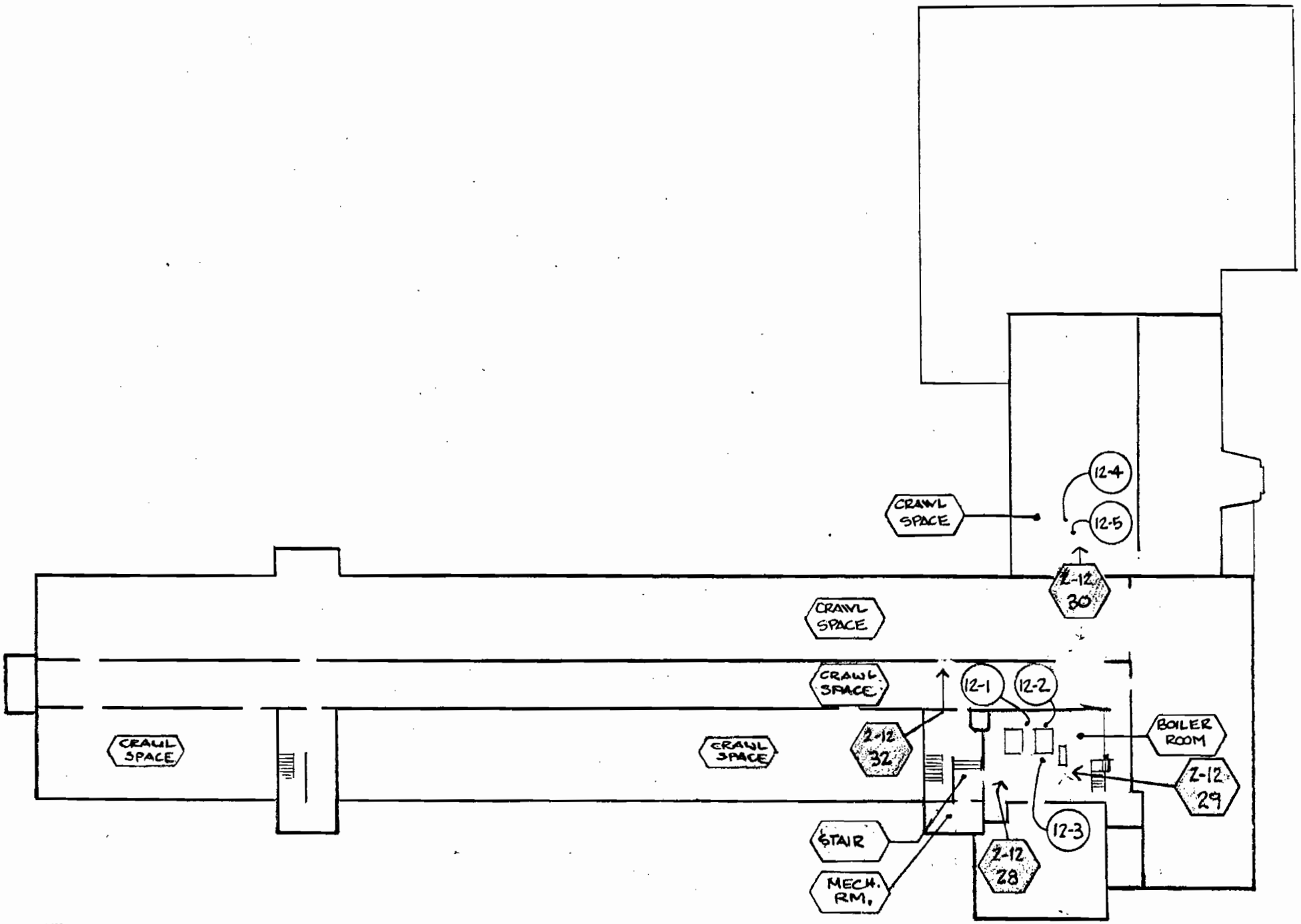
c) SECOND FLOOR:
   - -Pipe insulation in one Pipe Chase and in Pipe Closet

RECOMMENDATIONS

-Remove asbestos insulation from pipes, elbows and fittings in Basement and on First and Second Floors (pipes in areas indicated on Drawings). Reinsulate all pipes using pre-formed fiberglass insulation on pipes, elbows and fittings. C.W. lines are to remain uninsulated.

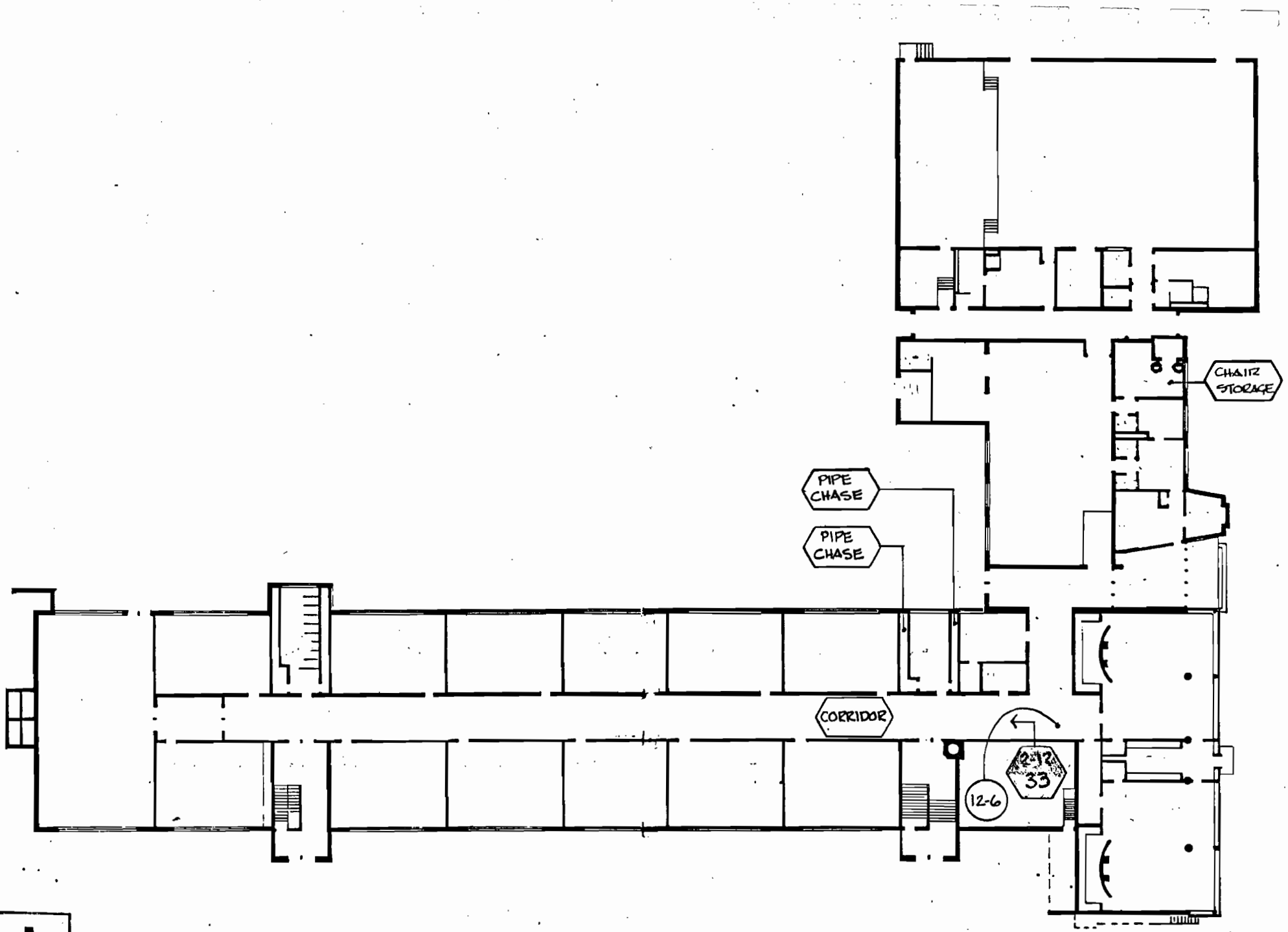
ALTERNATES

-Delete new insulation on condensate return lines.

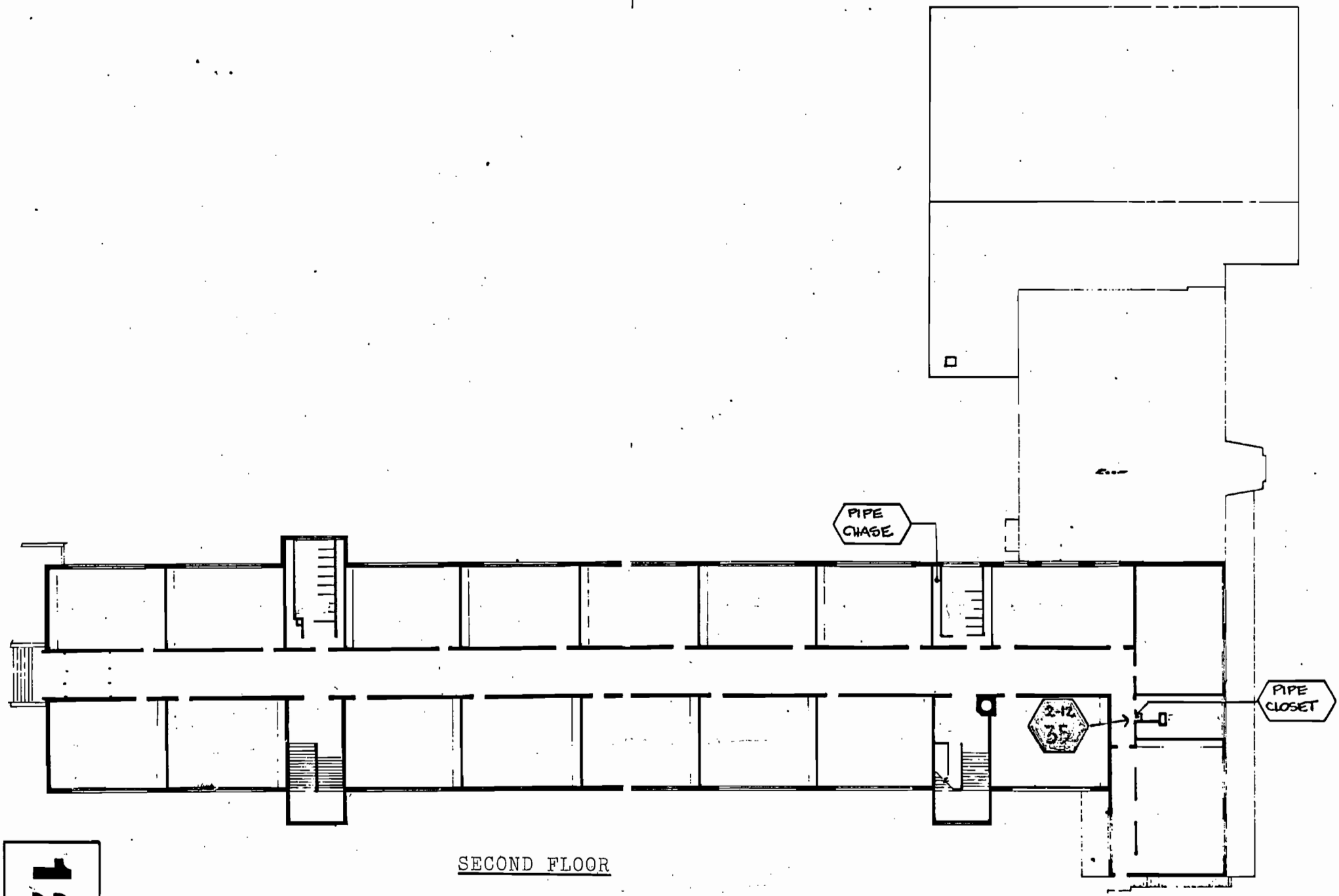

CRAWL SPACE
12-4
12-5
2-12 30
CRAWL SPACE
CRAWL SPACE
12-1
12-2
CRAWL SPACE
CRAWL SPACE
2-12 32
BOILER ROOM
2-12 29
12-3
STAIR
2-12 28
MECH. RM.

BASEMENT

12

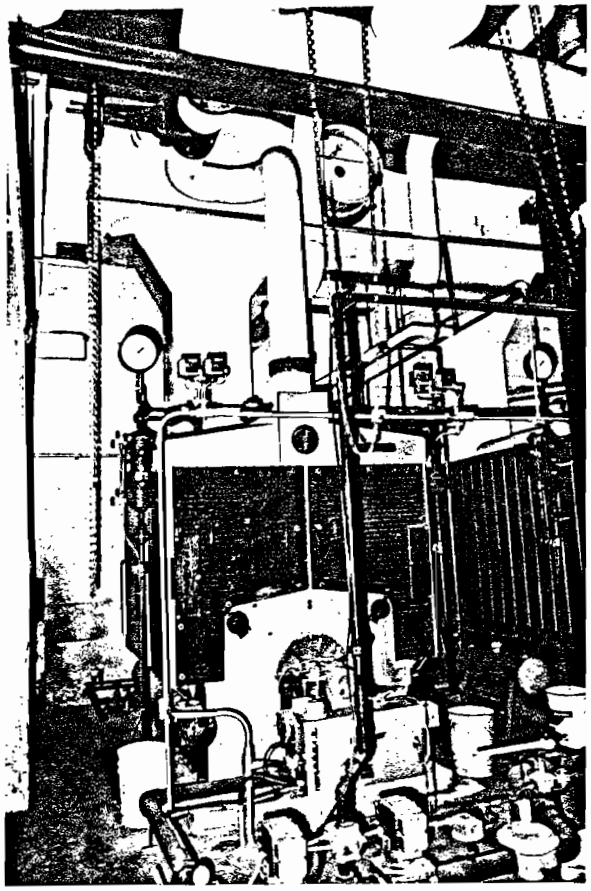


FIRST FLOOR



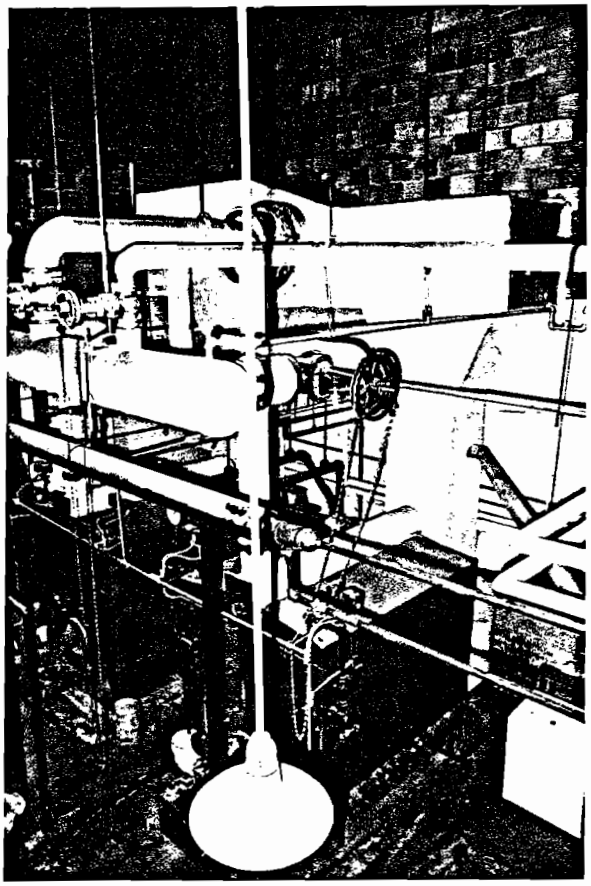
SECOND FLOOR

12



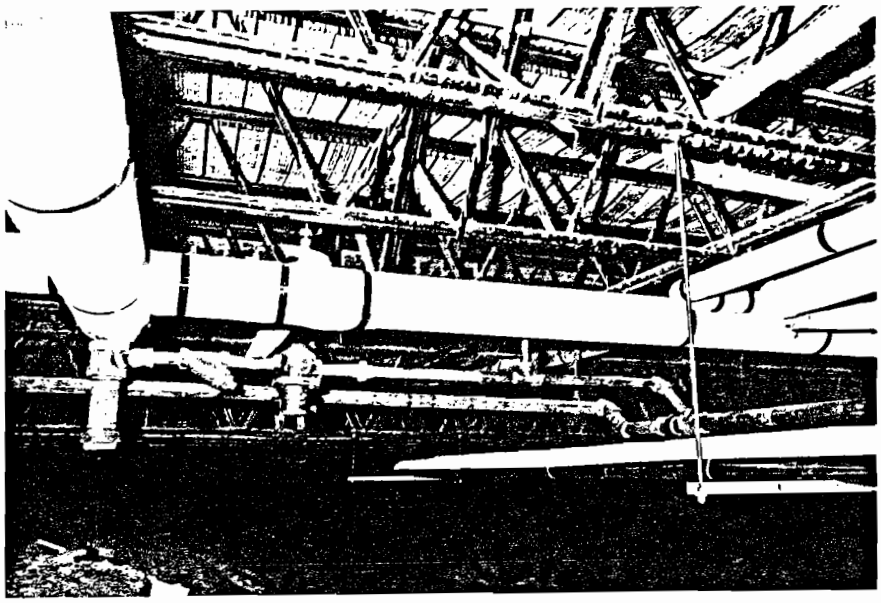
2-12
28

BOILER ROOM



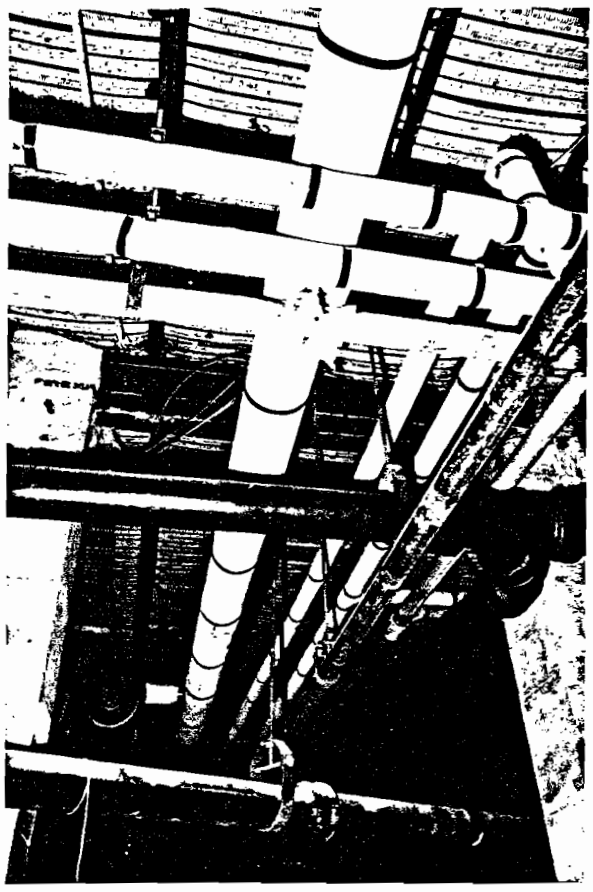
2-12
29

BOILER ROOM
BREECHING & MAIN
STEAM LINE INSUL.



2-12
30

CRAWL SPACE
PIPE INSUL.



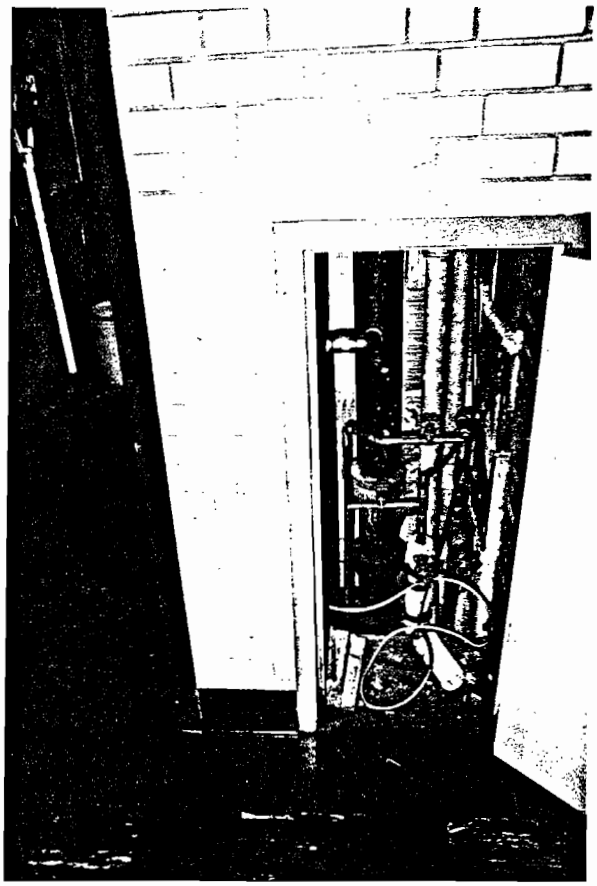
2-12
32

CRAWL SPACE
PIPE INSUL.
DAMAGED



2-12
33

CATWALK
ABOVE FIRST FLOOR CEILING
PIPE INSUL.



2-12
35

PIPE CLOSET
2ND FLOOR
PIPE INSUL.

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
CALVIN COOLIDGE SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
12-1	# 12	13 NOV 1982		STEAM SUPPLY PIPE	BOILER RM.		75	MODER	R		
12-2				BOILER BREECHING			0	—	—		
12-3				END CAP INSUL. CEM @ FIBERGL. PIPE	↓		0	—	—		
12-4				PIPE INSUL	CRAWL SPACE	SOME DAMAGE	70	MODER	R		
12-5				PIPE INSUL & ELBOW	↓	↓	80	MODER	R		
12-6	↓	↓		PLASTER CLG ABOVE SUSP. CLG	1ST FL CORRIDOR	BAD DETER.	0	—	—		

KOROIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

R - REMOVAL
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D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

12 CALVIN COOLIDGE SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates Base Bid	Alternates
R	1. Removal of asbestos insulation	$ 24,700	-
	2. New insulations	25,000	$-7,500
		$ 49,700	$-7,500

14

MAC ARTHUR SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

14 MAC ARTHUR SCHOOL

FINDINGS

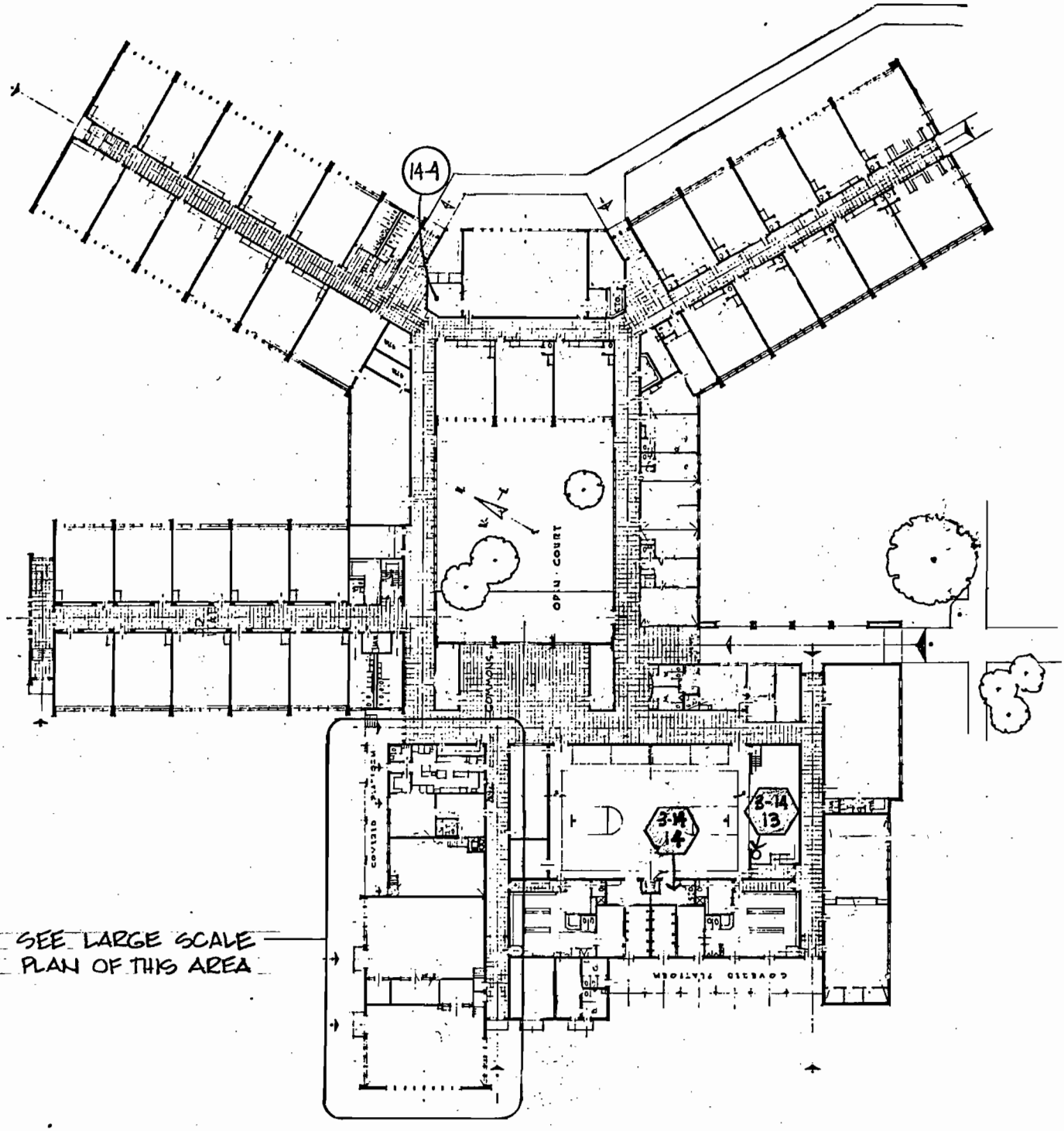
Asbestos materials were found in the following areas:
a) FIRST FLOOR:
-Breeching insulation in Boiler Room

RECOMMENDATIONS

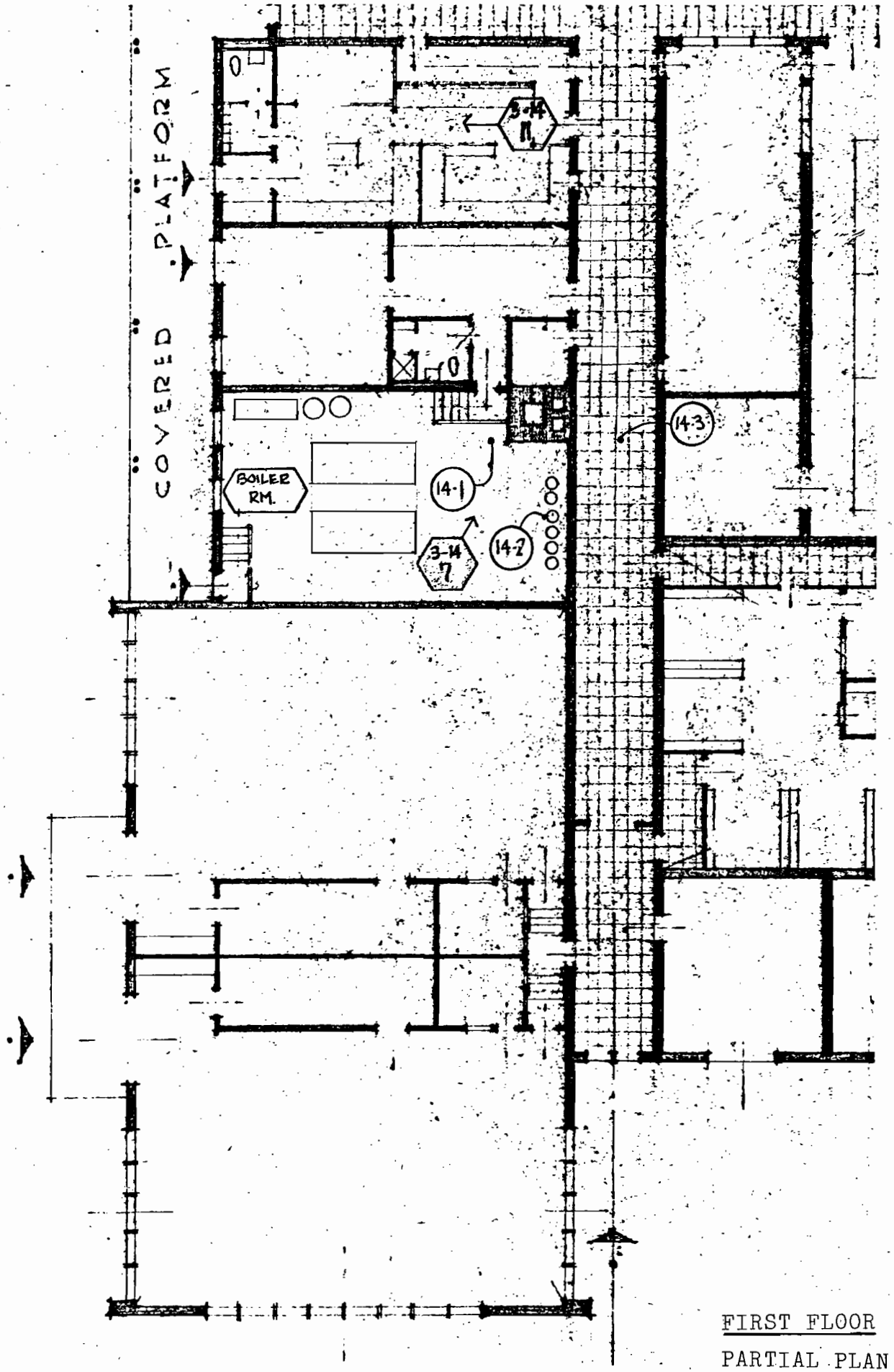
-Remove asbestos insulation from breeching. Reinsulate using appropriate non-asbestos insulation system.

ALTERNATE

-Encapsulate existing breeching insulation (instead of removal and reinsulation).

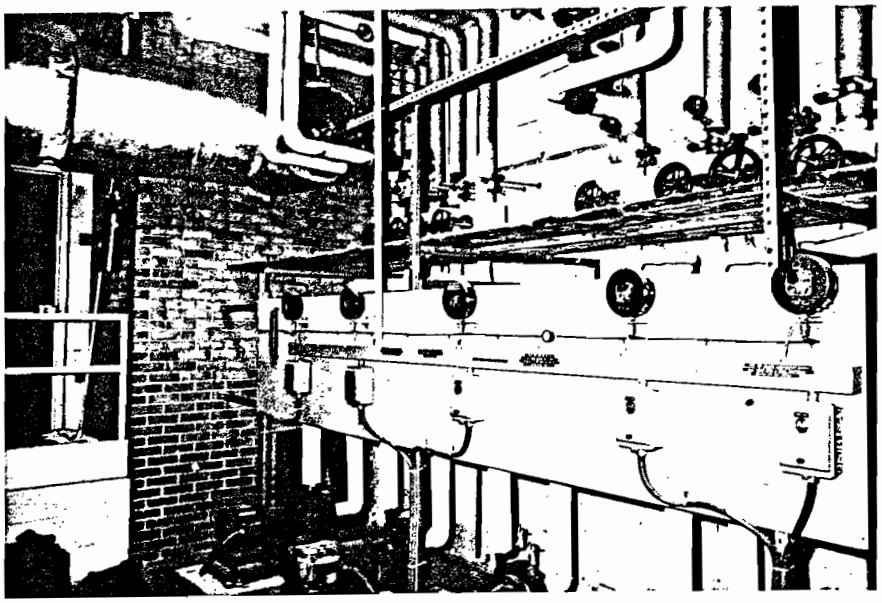

14-4
OPEN COURT
COMMONS
COVERED PLATFORM
3-14
4
3-14
13
SEE LARGE SCALE
PLAN OF THIS AREA

FIRST FLOOR



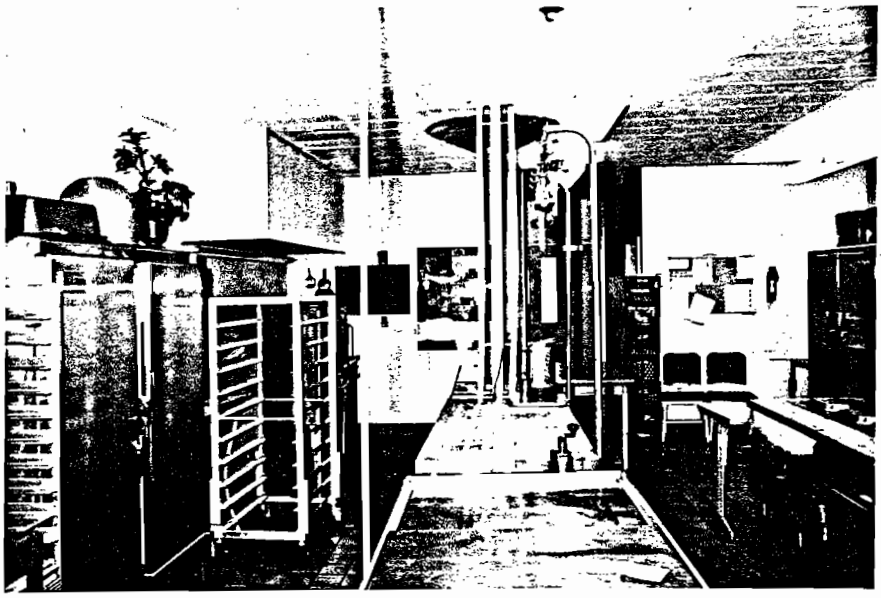
FIRST FLOOR
PARTIAL PLAN
(ENLARGED)

14



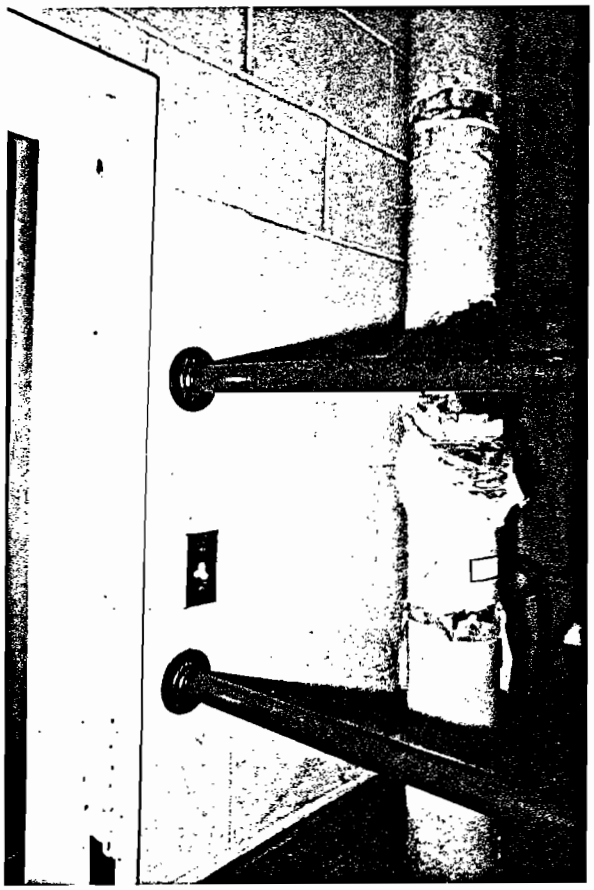
3-14
7

BOILER ROOM
BOILER BREECHING



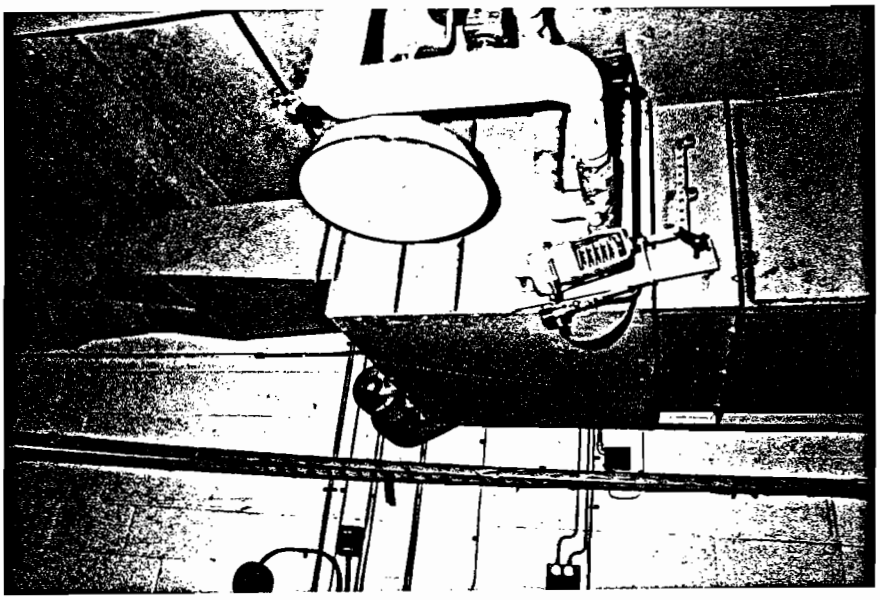
3-14
11

KITCHEN
PIPE INSULATION
(TO SINK AT TABLE)



3-14
13

STAGE
ROOF DRAIN PIPE INSUL.
(DAMAGED)



3-14
14

STORAGE / FAN ROOM
PIPE INSULATION @
ELBOWS & JOINTS

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
MAC ARTHUR SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
14-1	14	14 NOV 1982		BOILER BREECHING	BOILER RM		AVERAGE 43	LOW	R		
14-2				INSUL. CEM @ FITTING OF FIBERGL PIPE INSUL.			0	-	—		
14-3				JOINT AT FIBERGL. PIPE INSUL ABOVE SUSP. T-BAR CEILING	CORRIDOR (NEAR OF BOILER RM)		0		—		
14-4				ELBOW @ FIBERGL PIPE INSUL (NO SUSP. CLG. IN THIS RM.)	STORAGE RM. (OF STUDY HALL)		0		—		

KORDIAN W. WICHTOWSKI ARCHITECT
9 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

14 MAC ARTHUR SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates Base Bid	Alternates
R	1. Removal of asbestos insulation	$ 1,200	$ -500
	2. New insulation	1,800	-1,800
		$ 3,000	$-2,300

14A

MAC ARTHUR SCHOOL, ANNEX

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD ◦ BINGHAMTON NY 13905 ◦ (607) 723-2114

14A MAC ARTHUR SCHOOL, ANNEX

FINDINGS

Single story building. Inspection of spaces concluded with no findings of materials suspected of containing asbestos. Consequently, no samples and no photographs were taken within this facility.

RECOMMENDATIONS

NONE - In our opinion, based on inspection described above, there is no asbestos.

15

ALEXANDER HAMILTON SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD ° BINGHAMTON NY 13905 ° (607) 723-2114

15 ALEXANDER HAMILTON SCHOOL

FINDINGS

Asbestos materials were found in the following areas (some Rooms are named according to their former function):

a) BASEMENT:
- -Breeching header insulation - extremely deteriorated and dilapidated
- -Main steam line insulation in Boiler Room - extremely deteriorated and dilapidated
- -Pipe insulation in Pipe Tunnel
- -Pipe insulation in Stair

b) GROUND FLOOR:
- -Pipe insulation (vertical and horizontal pipes) in Corridors, Foyer, Girls Locker, Lounge, Closet, in three Storage Rooms and in one Crawl Space

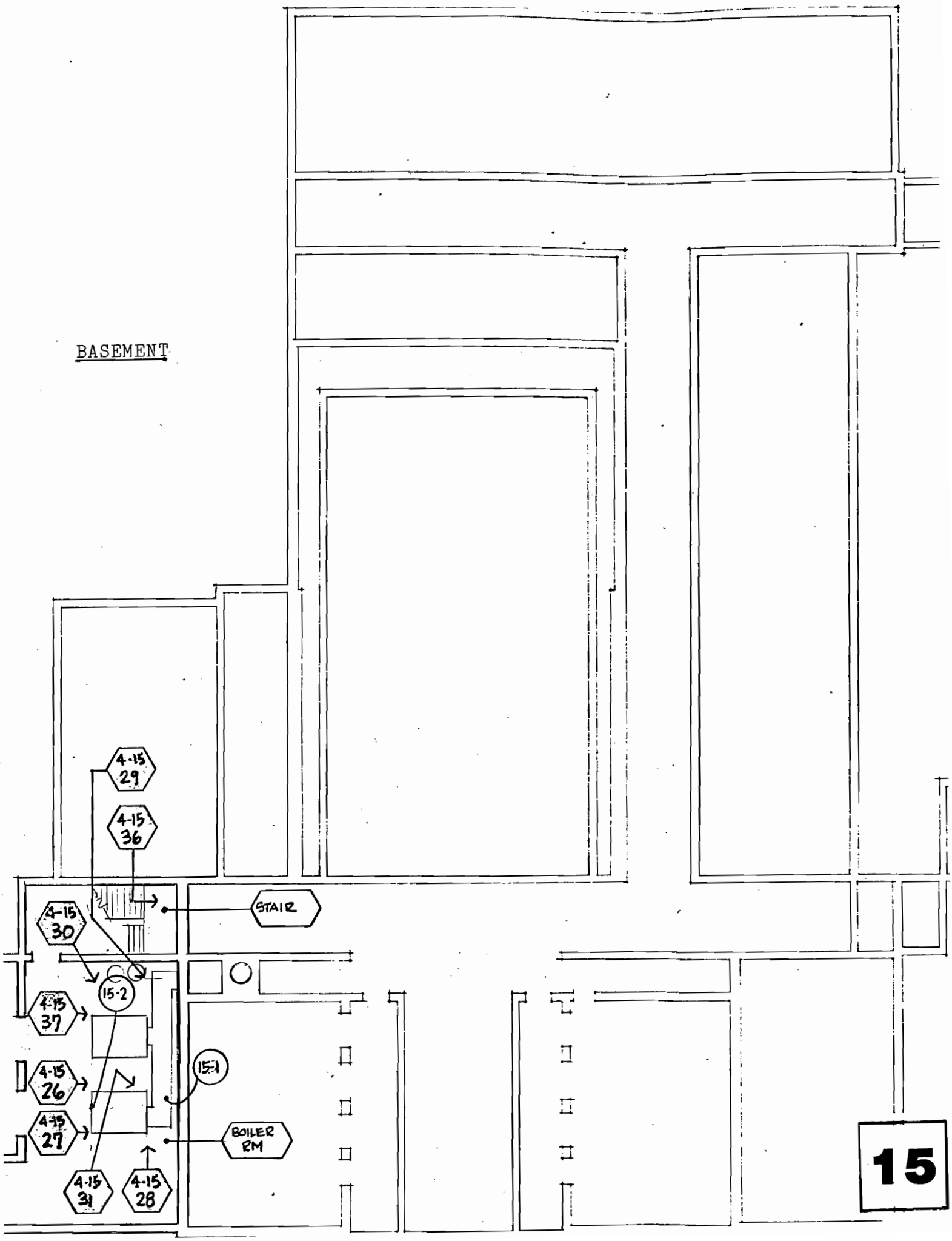
c) FIRST FLOOR:
- -Pipe insulation (vertical and horizontal pipes) in First Aid Room

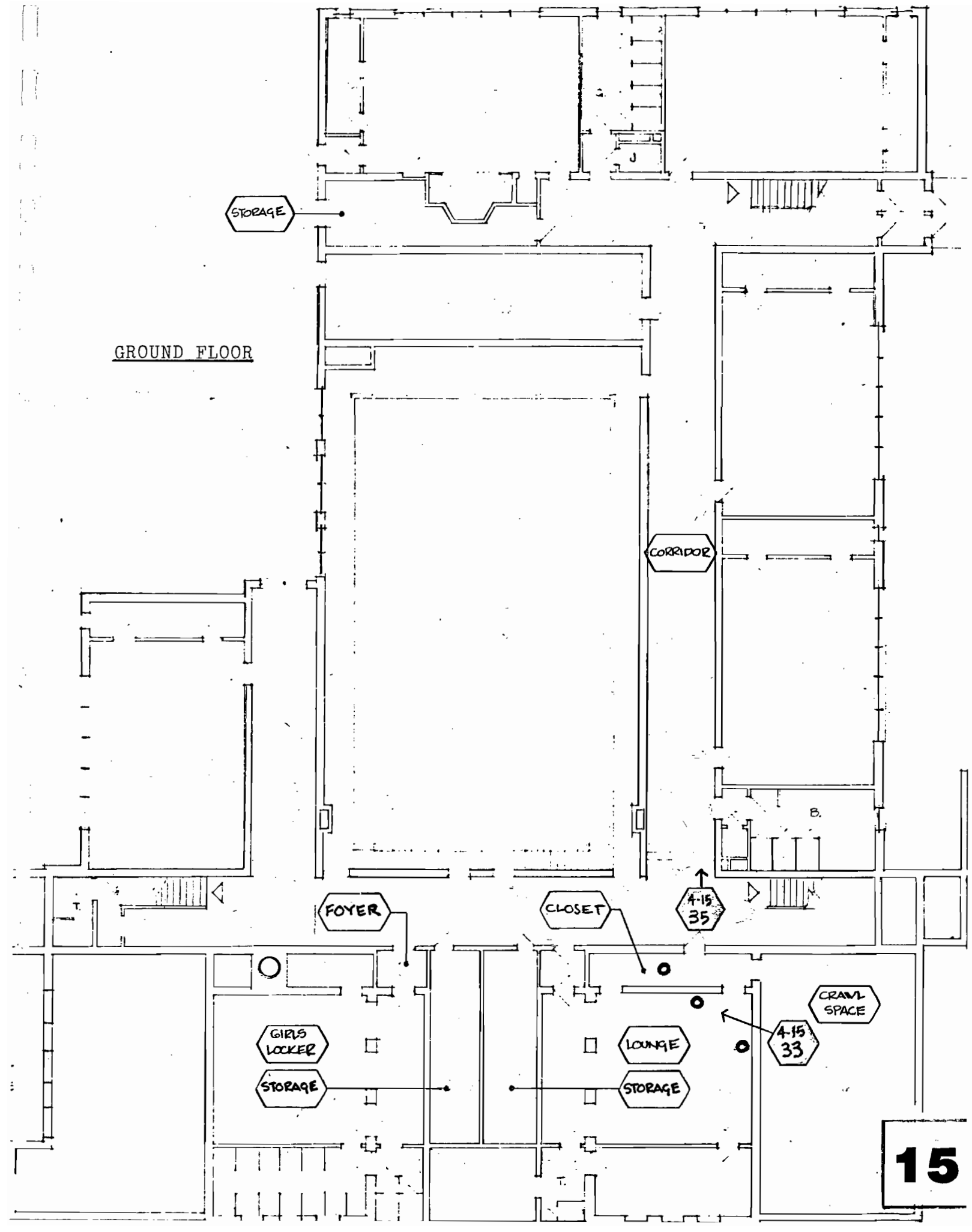
RECOMMENDATIONS

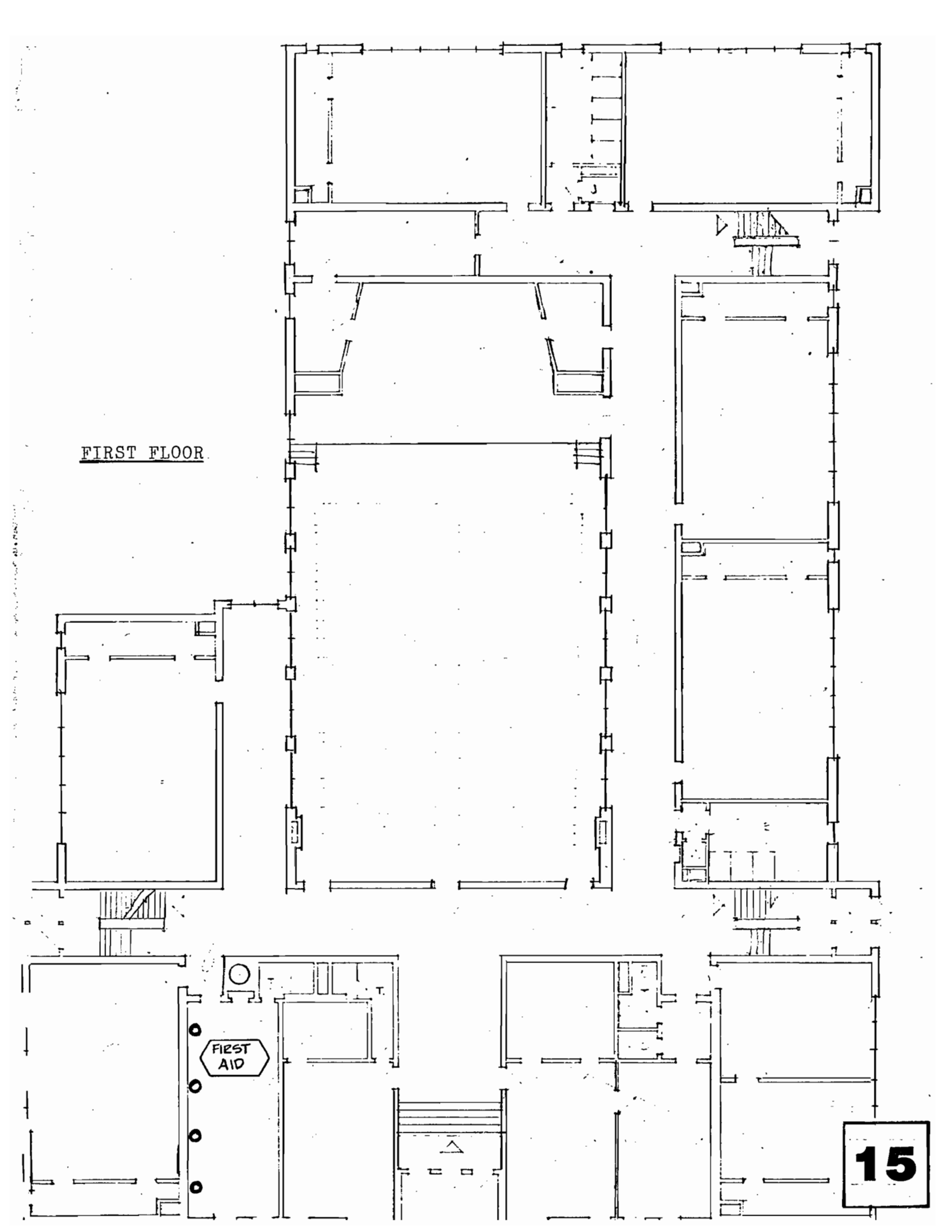
-Remove asbestos insulation from breeching header and reinsulate. Insulate breechings between boilers and header using non-asbestos insulation system.
-Remove asbestos insulation from main steam line in Boiler Room, pipe insulation in Pipe Tunnel and Basement Stair. Reinsulate using pre-molded fiberglass insulation on pipes, elbows and fittings.
-Remove asbestos insulation from pipes on Ground and First Floor (refer to Drawings for locations of Rooms where insulated pipes are not concealed). Reinsulate using pre-molded fiberglass insulation on pipes, elbows and fittings.

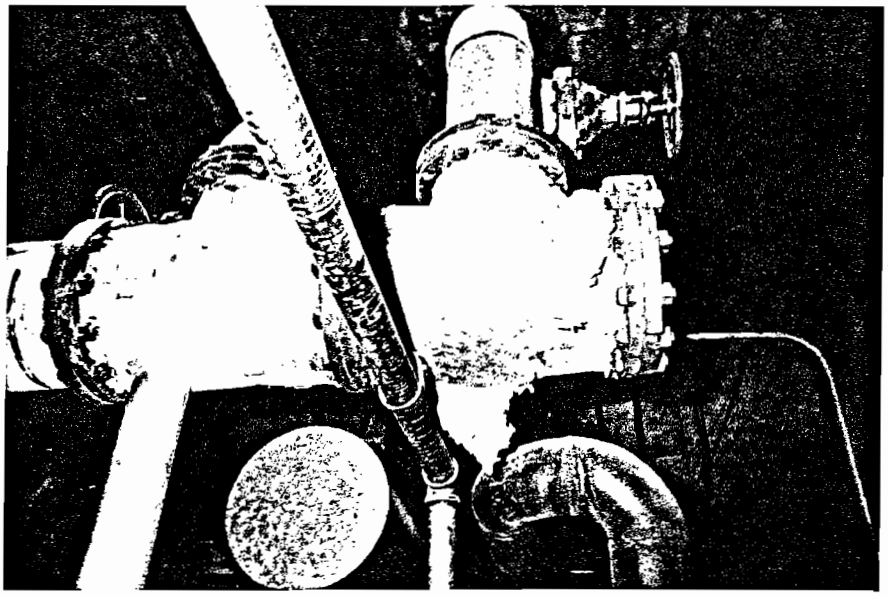
ALTERNATES

-Delete insulation of breechings between boilers and header.
-Delete reinsulation of pipes on Ground and First Floor.


BASEMENT
4-15 29
4-15 36
4-15 30
STAIR
15-2
4-15 37
4-15 26
15-1
4-15 27
BOILER RM
4-15 31
4-15 28
15

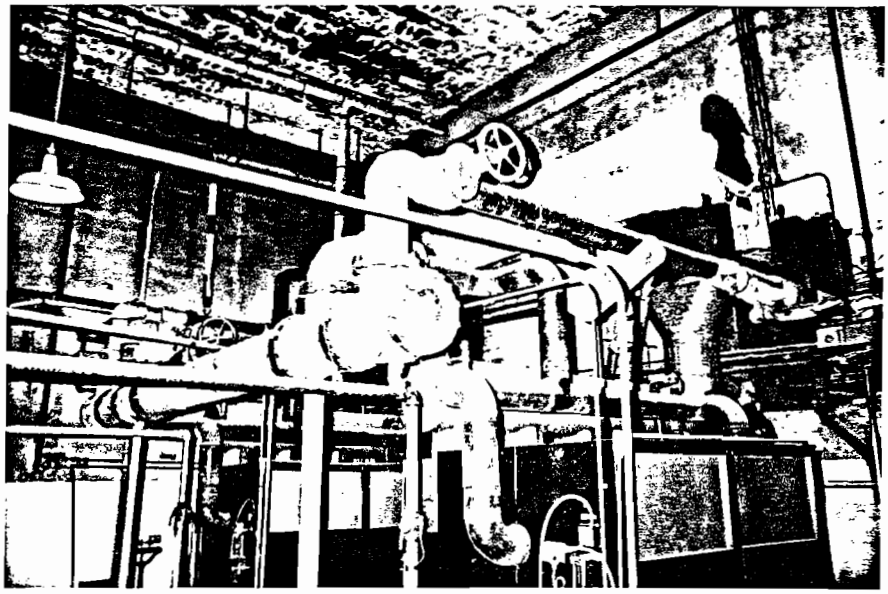

GROUND FLOOR
STORAGE
CORRIDOR
FOYER
CLOSET
4-15
35
GIRLS
LOCKER
STORAGE
LOUNGE
STORAGE
CRAWL
SPACE
4-15
33


FIRST FLOOR
FIRST AID



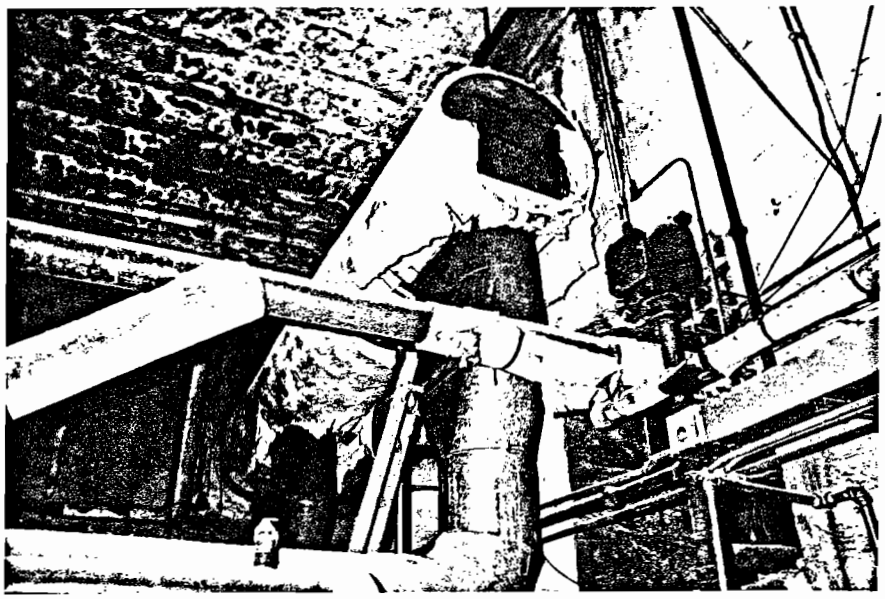
4-15
26

BOILER ROOM
MAIN STEAM LINE
DETERIORATED



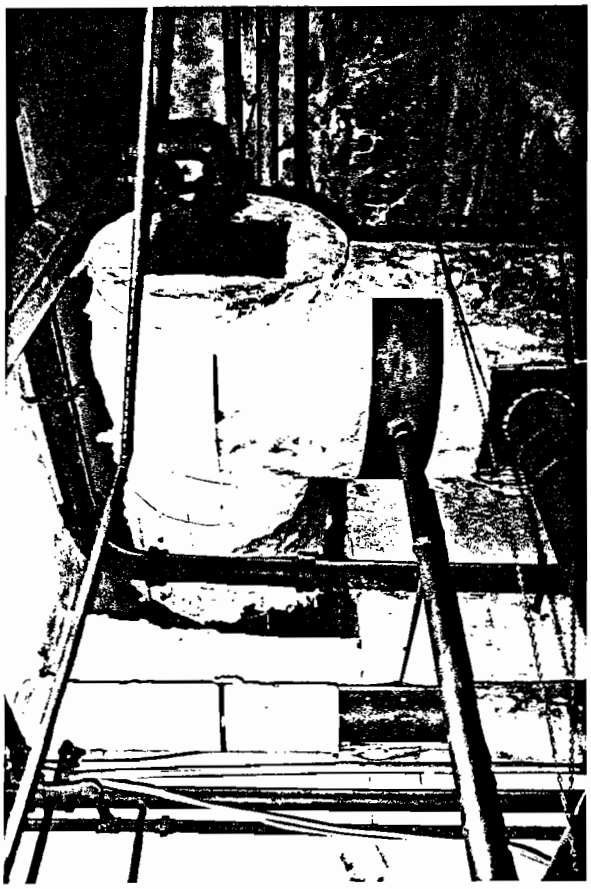
4-15
27

BOILER ROOM
MAIN STEAM LINE
DETERIORATED



4-15
28

BOILER ROOM
BOILER BREECHING &
STEAM LINE INSUL. - DETERIORATED



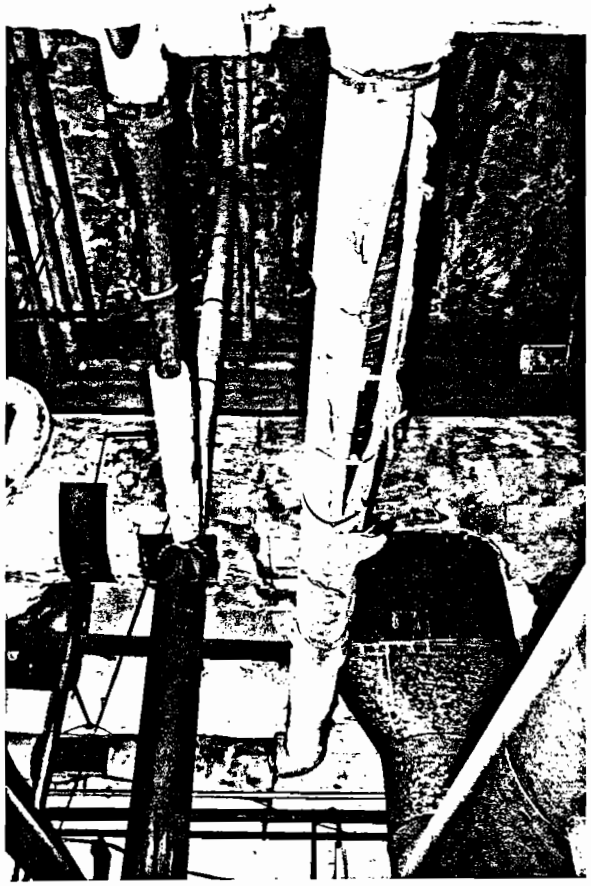
4-15
29

BOILER ROOM
BOILER BREECHING
@ CHIMNEY
DETERIORATED



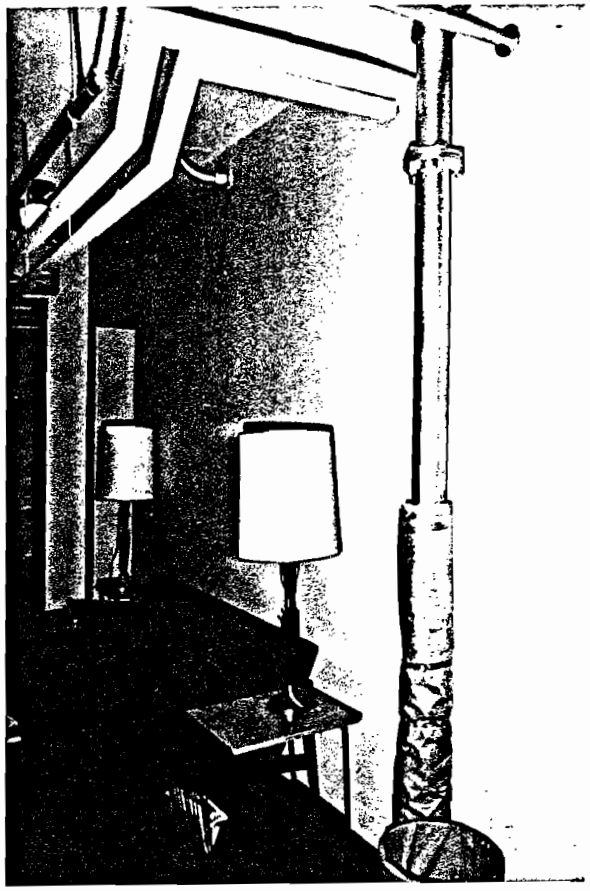
4.15
31

BOILER ROOM
BADLY DETER. & DAMAGED



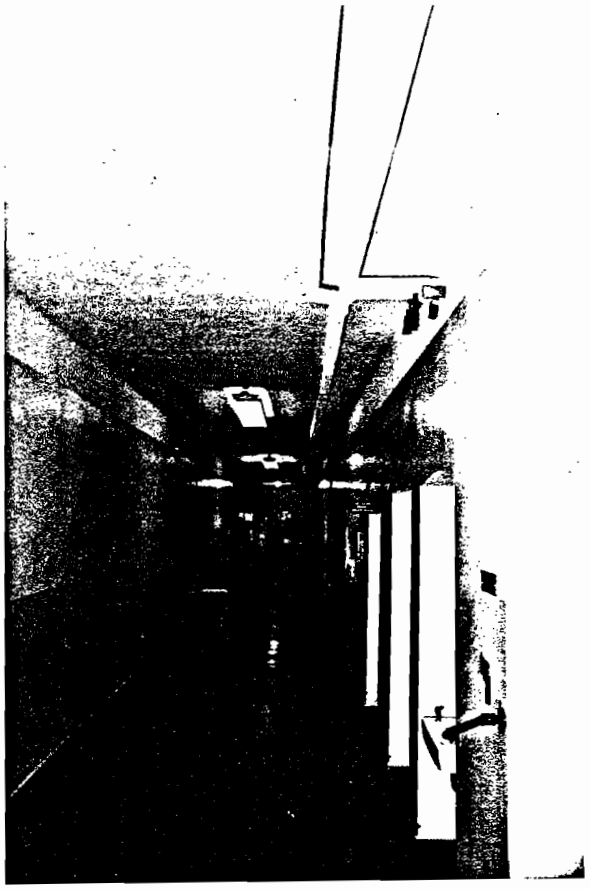
4.15
37

BOILER BREECHING
& STEAM LINE INSUL.
BADLY DETERIORATED



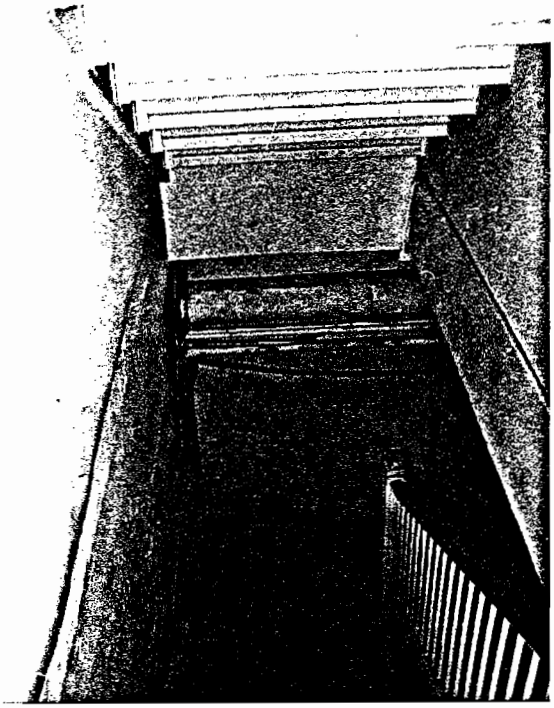
4-15
33

LOUNGE
VERT. & HORIZ.
PIPE INSUL.
DAMAGED



4-15
35

CORRIDOR
PIPE INSUL. @ CLG.



4.15
36

STAIR TO BASEMENT
PIPE INSULATION

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD · BINGHAMTON NY 13905 · (807) 723 2114

Owner: BINGHAMTON CITY SCHOOL DIST.
HAMILTON SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
15-1	15	19 NOV 1982		BOILER BREECHING	BOILER RM	V. DETER & DAMAG	40	V. HIGH	R		
15-2	↓			MAIN STEAM LINE INSUL.	BOILER RM	V. DETER & DAMAG	65	V. HIGH	R		

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8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

R - REMOVAL
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D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

15 ALEXANDER HAMILTON SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of asbestos insulation	$24,000	-
	2. New insulations	19,000	$-7,500
		$43,000	$-7,500

16

WOODROW WILSON SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

16 WOODROW WILSON SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT/GROUND FLOOR:
- -Boiler breeching insulation
- -H.W. Tank insulation
- -Old insulation on pipes in Boiler Room and in Pipe Tunnel - deteriorated
- -Insulation on exposed horizontal pipes in four Rooms adjacent to Gym

b) FIRST FLOOR:
- -Insulation on exposed pipes in Corridors, Girls Toilet, Boys Locker Room, Girls Locker Room, Custodian Room, Fan Room, two Classroom Closets, Teacher's Room, ARC Speech Room and Coat Room

c) SECOND FLOOR:
- -Insulation on exposed pipes (vertical risers) in Auditorium

d) THIRD FLOOR:
- -Insulation on exposed pipes (vertical risers) on Auditorium Balcony

RECOMMENDATIONS

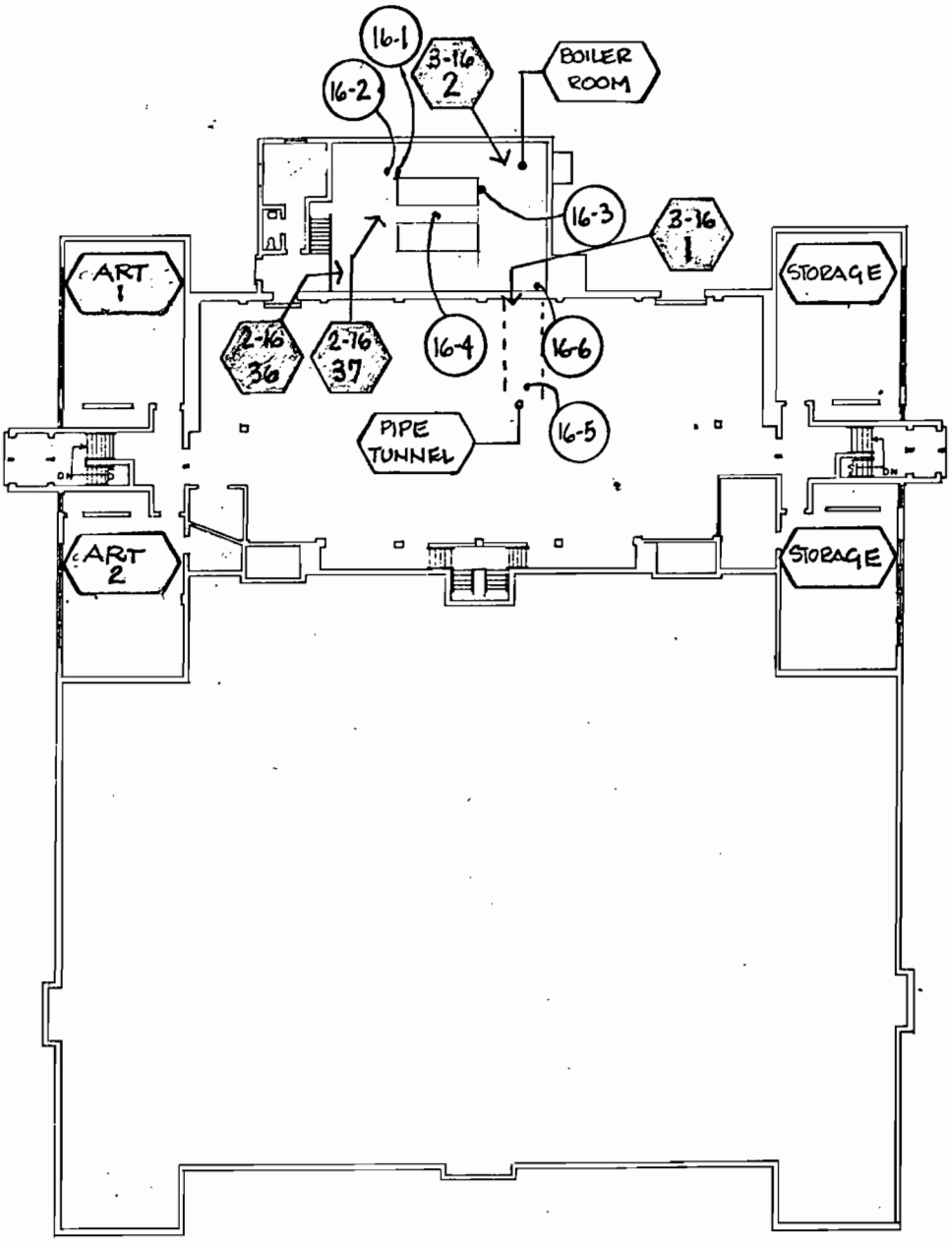
-Remove asbestos insulation from boiler breeching and H.W. Storage Tank. Reinsulate using appropriate non-asbestos insulating system.

-Remove asbestos insulation from pipes in Boiler Room, Pipe Tunnel, Rooms of Ground Floor and Rooms of First, Second and Third Floor (refer to Drawings for locations of Rooms). Insulate all exposed pipes (Heating and Plumbing) using pre-molded fiberglass insulation on pipes, elbows, fittings, etc. Only C.W. lines are to remain uninsulated. Install new suspended ceilings and new energy efficient recessed light fixtures in Corridors (remove old incandescent light fixtures). Install PVC jacketing on fiberglass insulation except in Boiler Room, Pipe Tunnel and Corridors.

ALTERNATES

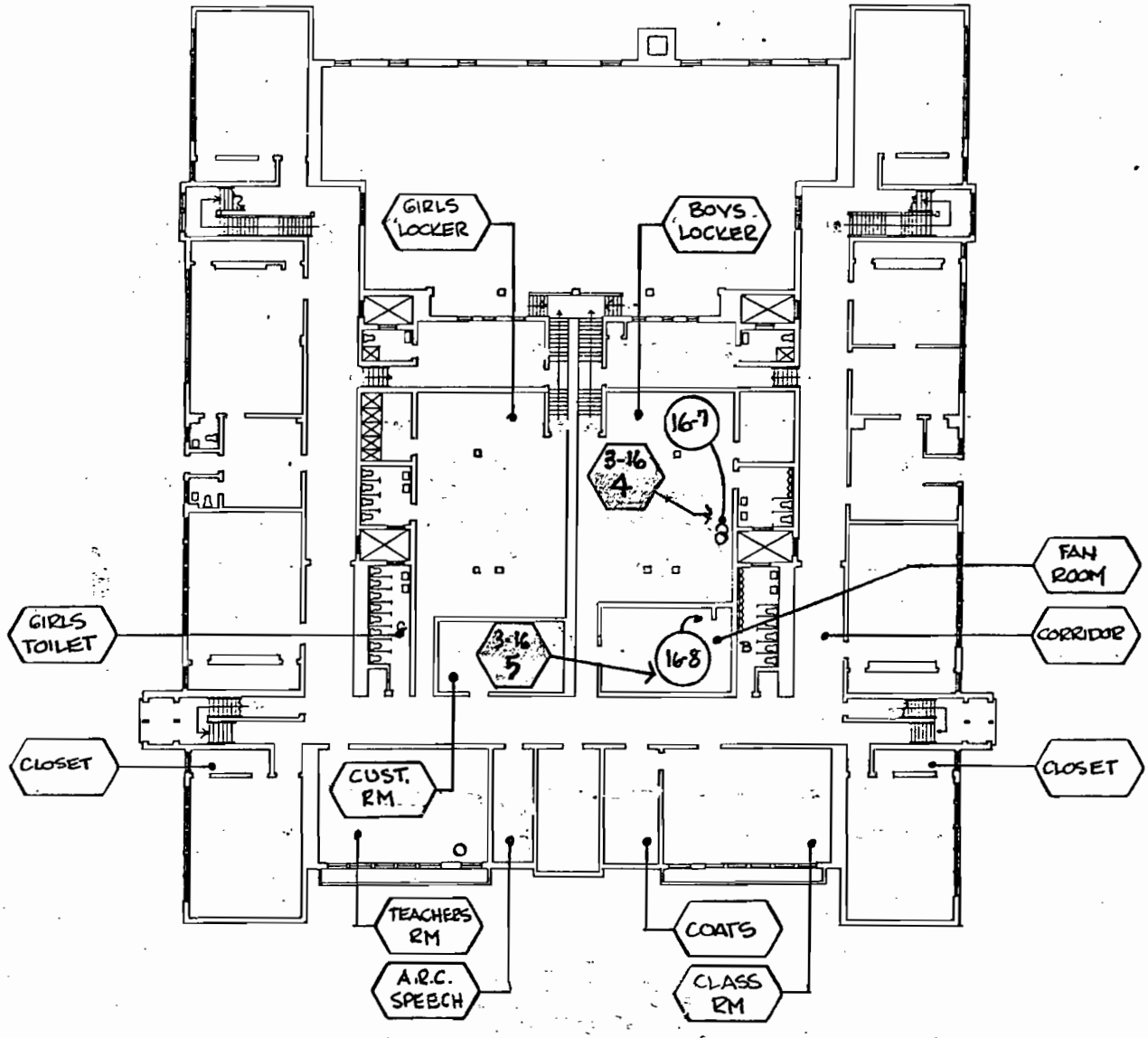
-Delete new fiberglass pipe insulation on vertical risers in Classrooms, on condensate return lines and on Plumbing lines.

-Delete new suspended ceilings and light fixtures in Corridors of Second and Third Floor.

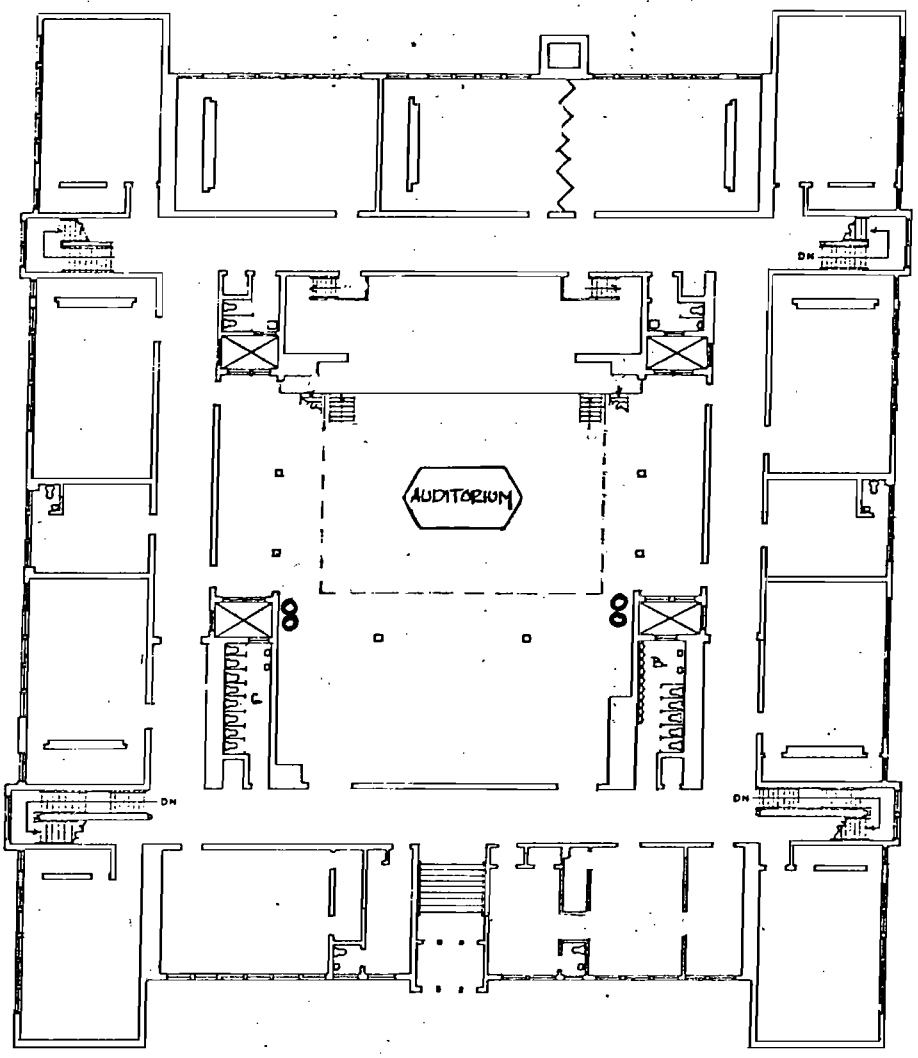


BASEMENT/GROUND FLOOR

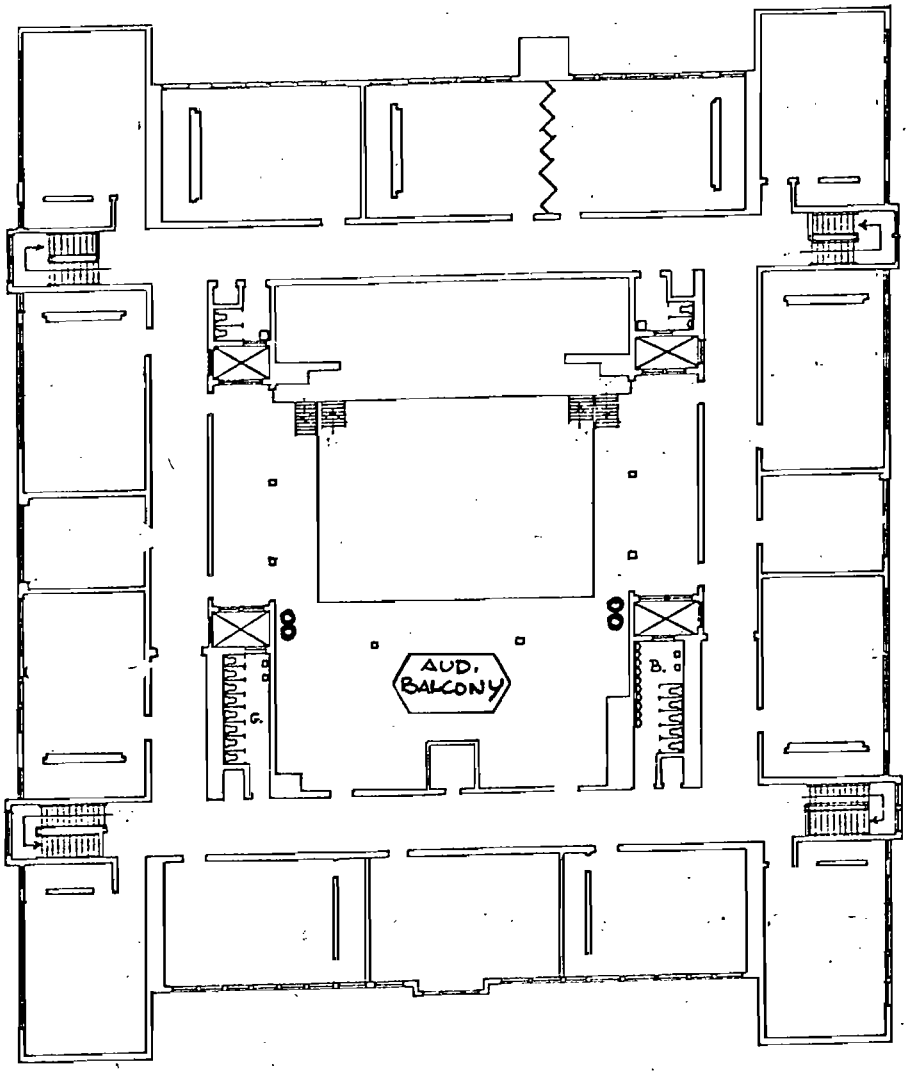
16


GIRLS LOCKER
BOYS LOCKER
16-7
3-16 4
FAN ROOM
GIRLS TOILET
3-16 5
16-8
CORRIDOR
CLOSET
CUST. RM.
CLOSET
TEACHERS RM
COATS
A.R.C. SPEECH
CLASS RM

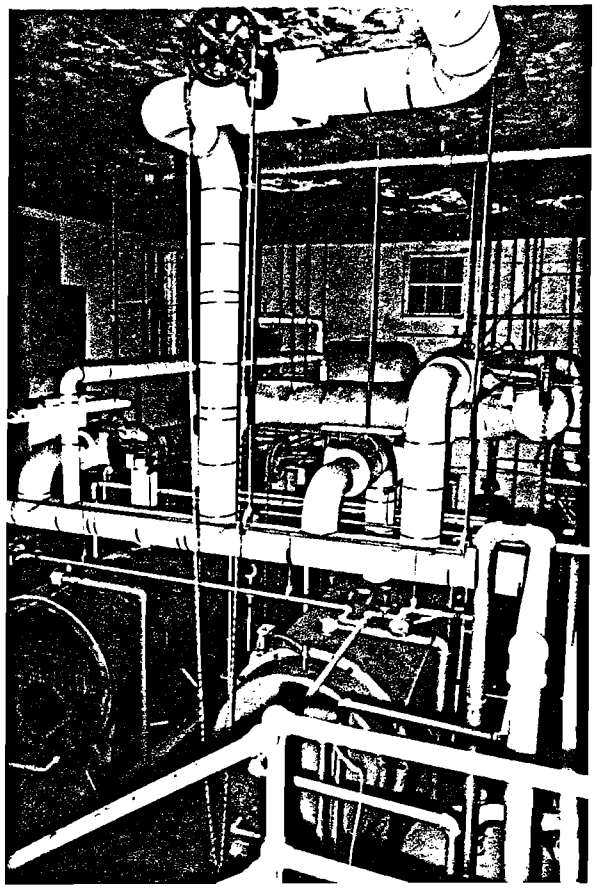
FIRST FLOOR



SECOND FLOOR

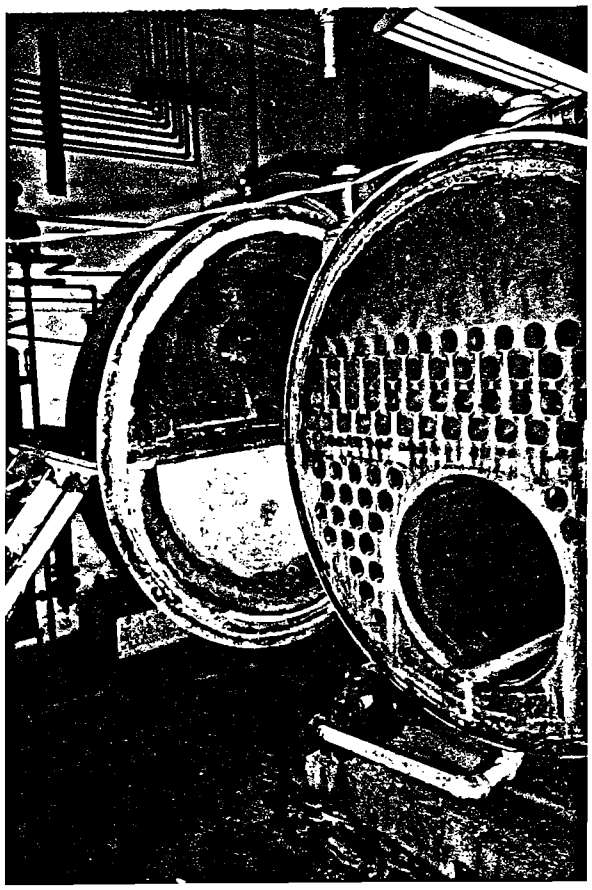


THIRD FLOOR



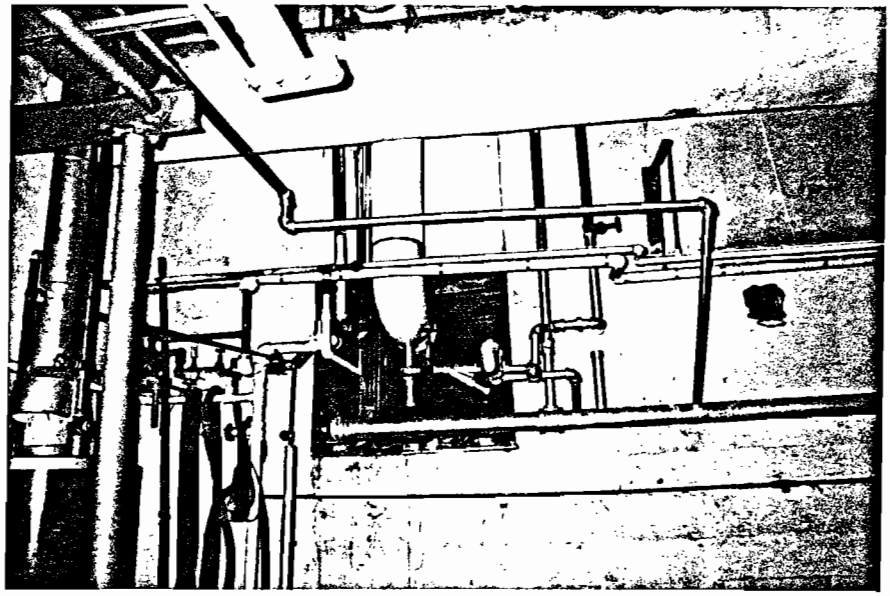
2-16
36

BOILER ROOM



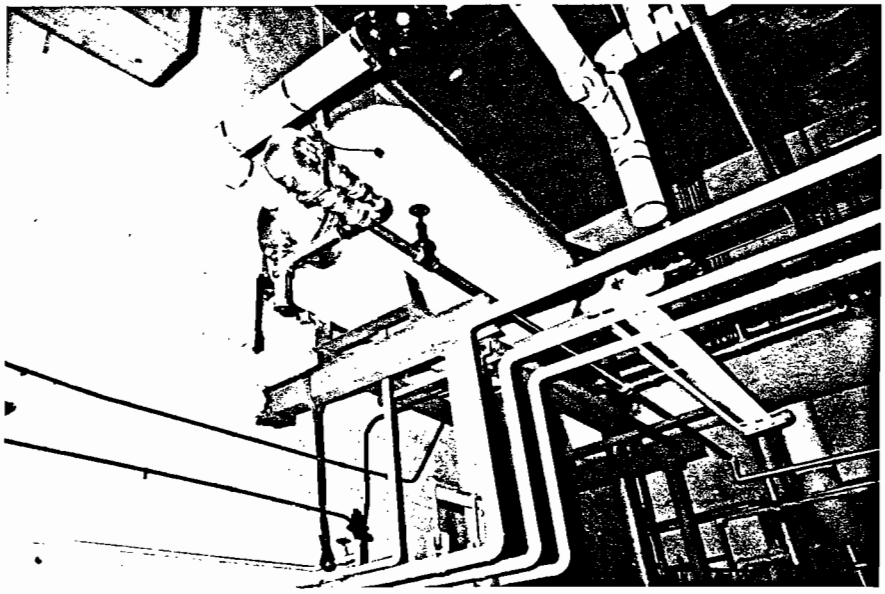
2-16
37

BOILER ROOM
INSUL. CEH. GASKET
AT BOILER DOOR



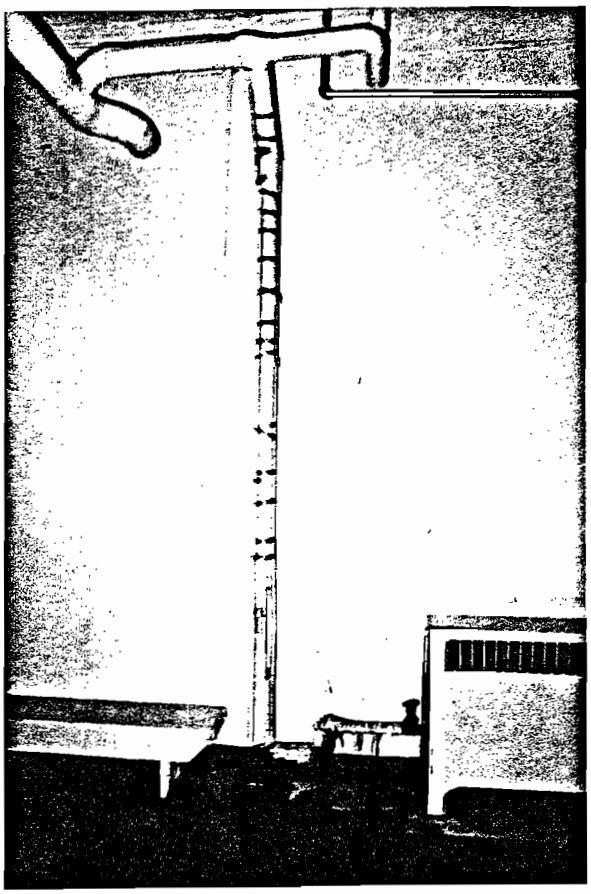
3-16
1

BOILER ROOM
PIPE INSUL. & PIPE TUNNEL



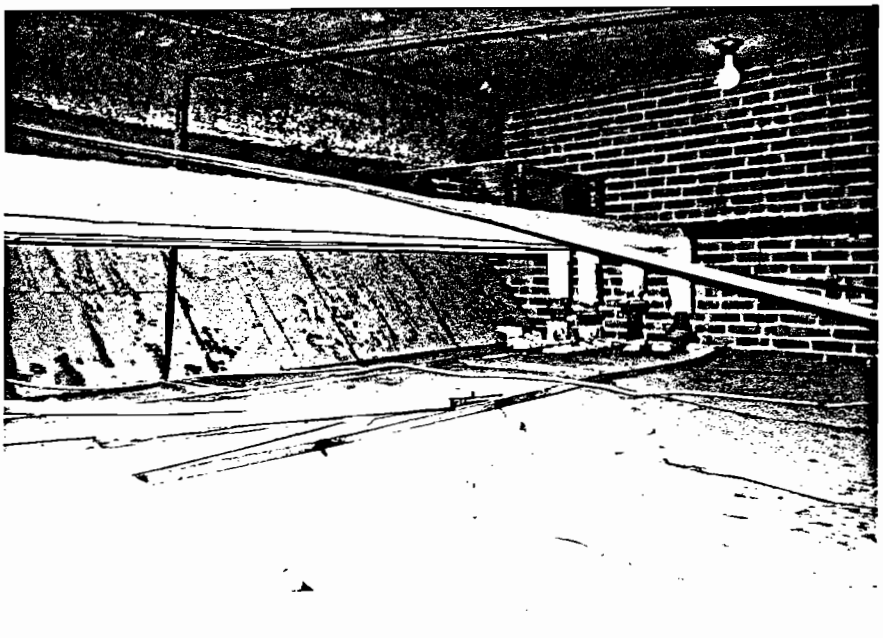
3-16
2

BOILER ROOM
H.W. TANK



3-16
4

BOYS LOCKER ROOM
PIPE INSULATION



3-16
5

FAN ROOM
PIPE INSUL.
VERY DETERIORATED

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD ° BINGHAMTON NY 13905 ° (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
WOODROW WILSON SCHOOL

R - REMOVAL
E - ENCAPSULATION
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EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
16-1	# 16	13 NOV. 1982		JOINT @ STEAM SUPPLY LINE	BOILER RM		0	—	—		
16-2				GASKET @ BOILER END DOOR			0	—	—		
16-3				BOILER BREECHING			80	HIGH	R		
16-4				PIPE INSUL & FITTING	↓		0	—	—		
16-5				PIPE INSUL	TUNNEL UNDER GYM.		40	MODER.	R		
16-6				OLD PIPE INSUL. NEAR TUNNEL	BOILER RM	DETER.	70	HIGH	R		
16-7				VERT PIPE INSUL.	BOYS LOCKER		35	HIGH	R		
16-8	↓	↓		PIPE INSUL.	FAN RM	V. BAD DETER.	65	HIGH	R		

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C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

16 WOODROW WILSON SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of asbestos insulations	$ 7,000	-
	2. New suspended ceilings and new light fixtures	32,500	$-20,000
	3. New insulations	22,500	-10,000
		$62,000	$-30,000

17

EAST MIDDLE SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

17 EAST MIDDLE SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) GROUND FLOOR:
- -Boiler breeching insulation (in Boiler Room) - deteriorated and damaged
- -Main steam line insulation (old section of pipes in Boiler Room) - deteriorated
- -H.W. Tank insulation (in Boiler Room)
- -Insulating cement at end of new fiberglass pipe insulation in Boiler Room
- -Pipe insulation (vertical and horizontal pipes) in Receiving Room, Band Room, Stair, Electrical Equipment Room, Corridor (above suspended clg.), Cafeteria (above suspended clg.)
- -Pipe insulation in H.W. heating lines in Pool Water Heater Room and in Hot Water Storage Room
- -Elbows, joints and fittings of fiberglass pipe insulation in Filter Room, Equipment Storage, Towel Room, Girls P.E. Office, Girls Locker Room (above suspended ceiling), Wrestling Room, Library (above suspended ceiling)

b) FIRST FLOOR:
- -Pipe insulation below window in Main Office - damaged

c) SECOND FLOOR:
- -Elbows and joints of fiberglass pipe insulation in Science Lab.

RECOMMENDATIONS

-Remove asbestos insulation from boiler breeching and H.W. Storage Tank in Boiler Room.
-Remove asbestos insulation from H.W. Tanks in Pool H.W. Storage Room. Reinsulate using appropriate non-asbestos insulating system. Insulate breechings in Pool H. Water Heater Room.
-Remove asbestos insulation from pipes at Ground and First Floor (refer to Findings and Drawings for locations of Rooms involved).
-Remove, as necessary, sections of existing suspended ceiling to allow for removal of pipe insulation from above ceilings. Replace with new ceiling sections to match existing.

17 EAST MIDDLE SCHOOL (CONT'D)

RECOMMENDATIONS (CONT'D

Reinsulate using pre-molded fiberglass pipe insulation. Provide PVC jacketing on exposed pipes in Towel Room, Wrestling Room, Receiving Room.

-Remove asbestos insulation from elbows and joints of fiberglass pipes at Ground and Second Floors (refer to Findings and Drawings for location of Rooms involved). Reinsulate using pre-molded fiberglass insulation.

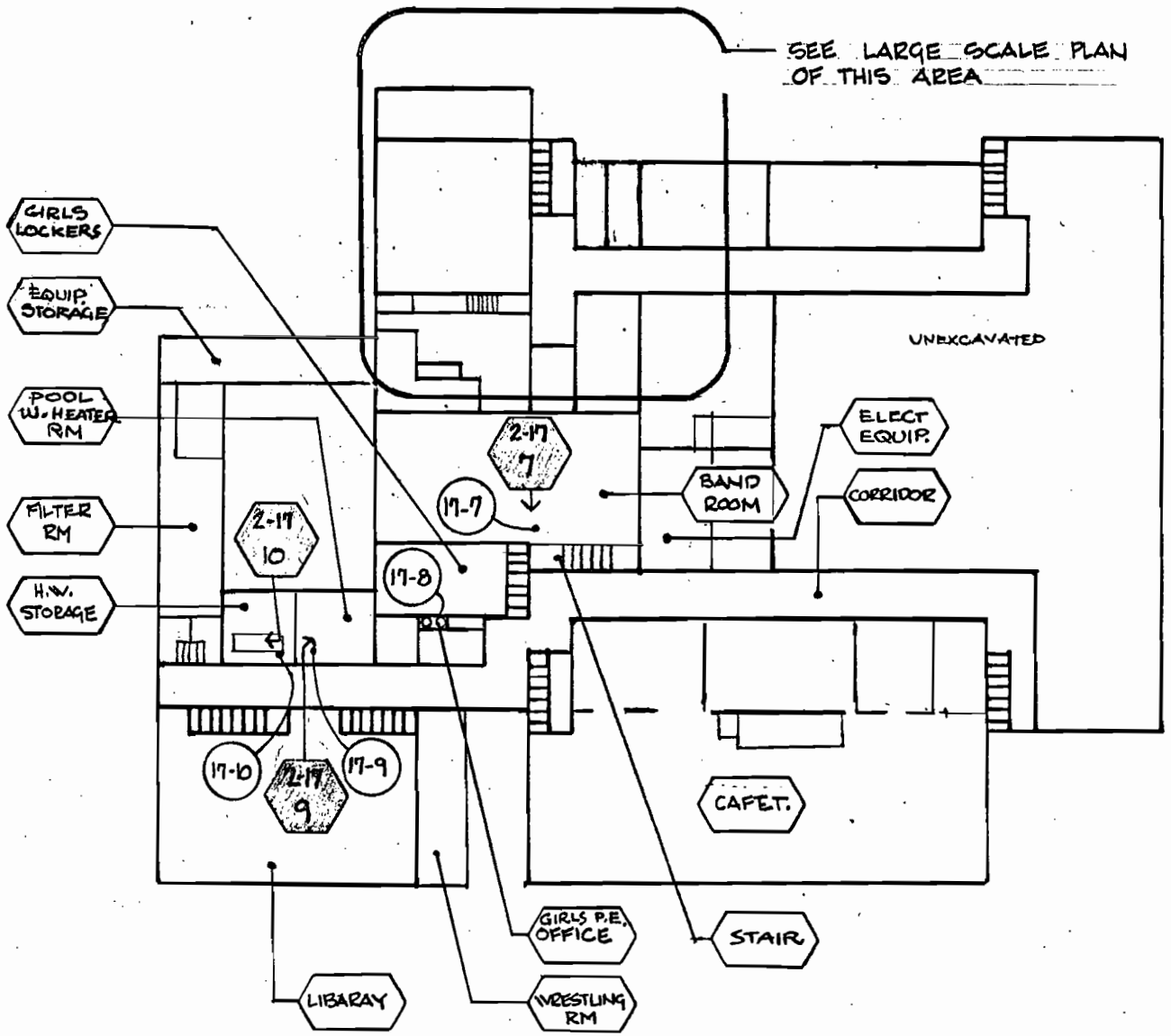
-Provide additional sampling and lab testing of acoustic ceiling finish in Swimming Pool area (two additional samples) to be able to declare it as asbestos-free. The above is in accordance with current EPA regulations.

ALTERNATES

-Delete insulation on breeching in Pool H. Water Heater Room.

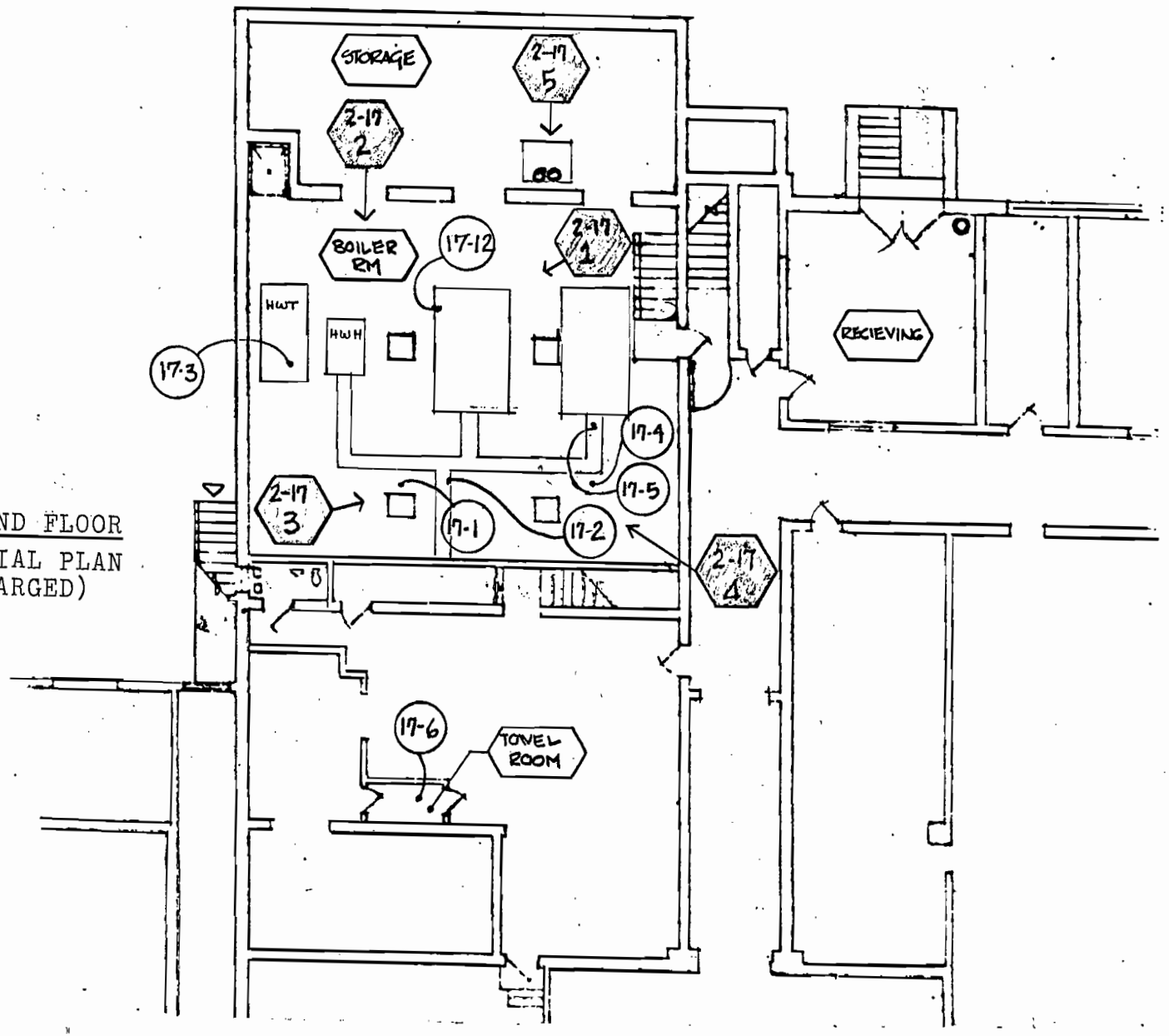
-Encapsulate existing insulation on two H.W. Storage Tanks in Pool H.W. Storage Room (instead of removal and reinsulation).

-Encapsulate existing asbestos elbows and joints of fiberglass pipe insulation (instead of removal and reinsulation).



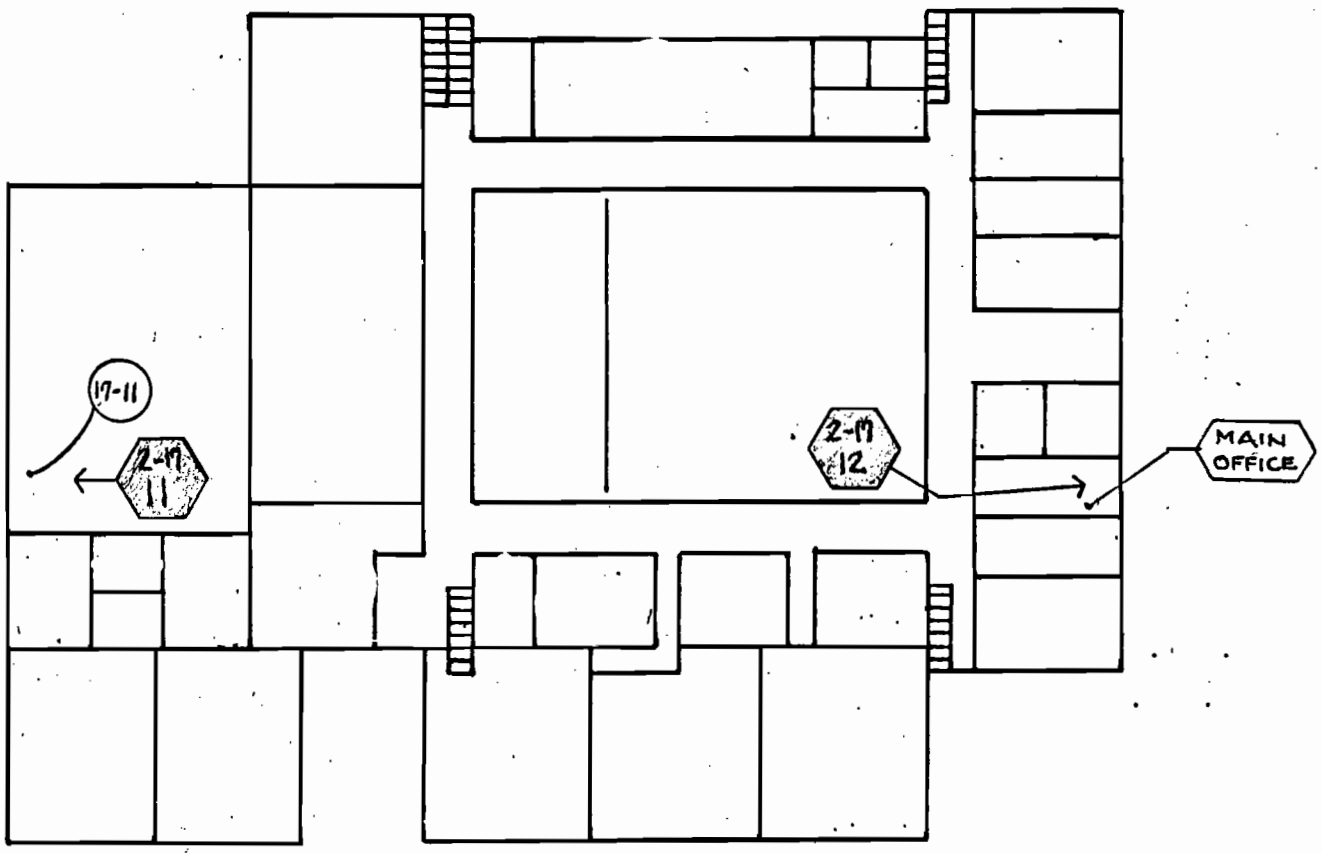
GROUND FLOOR

17

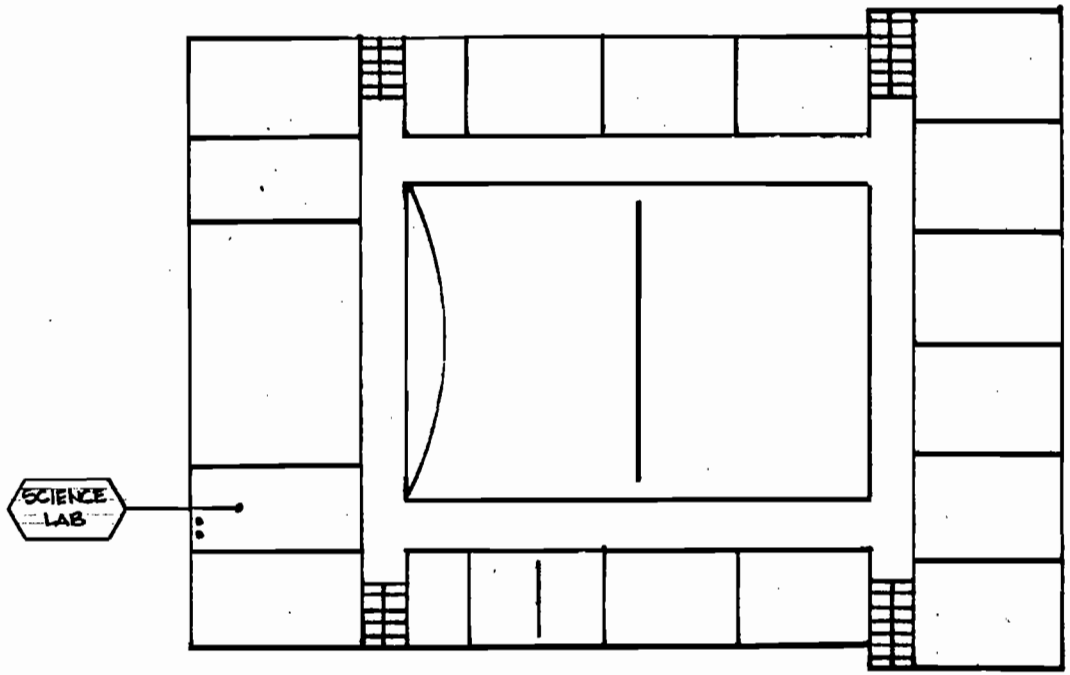


GROUND FLOOR

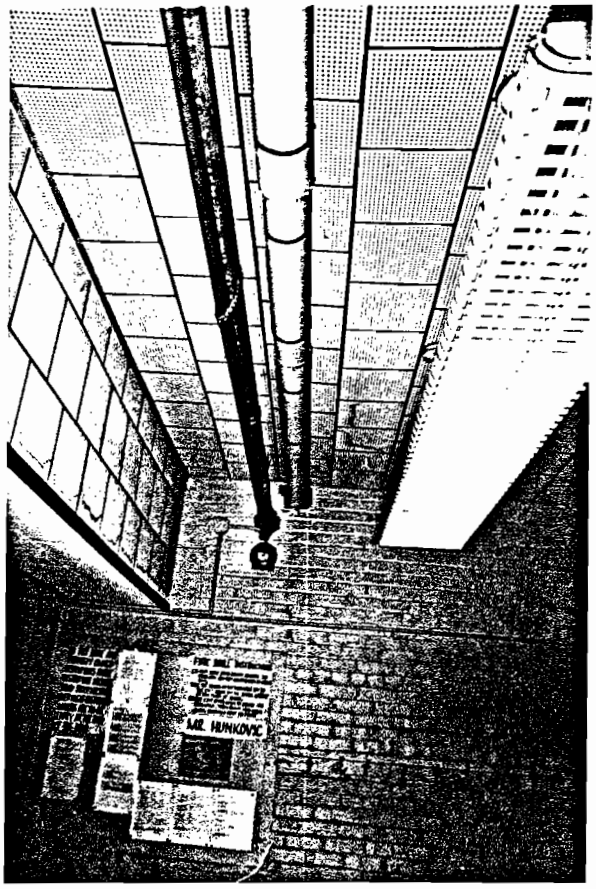
PARTIAL PLAN
(ENLARGED)



FIRST FLOOR

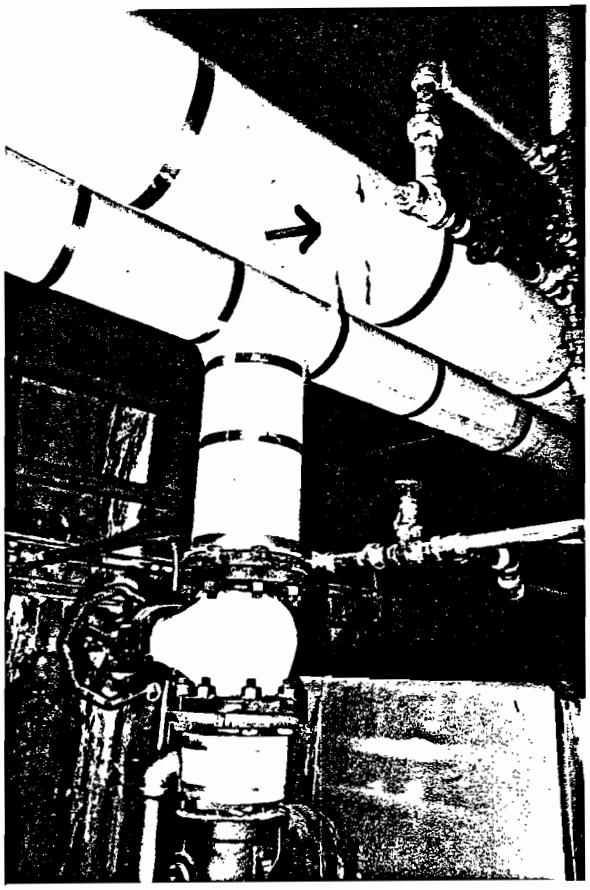


SECOND FLOOR



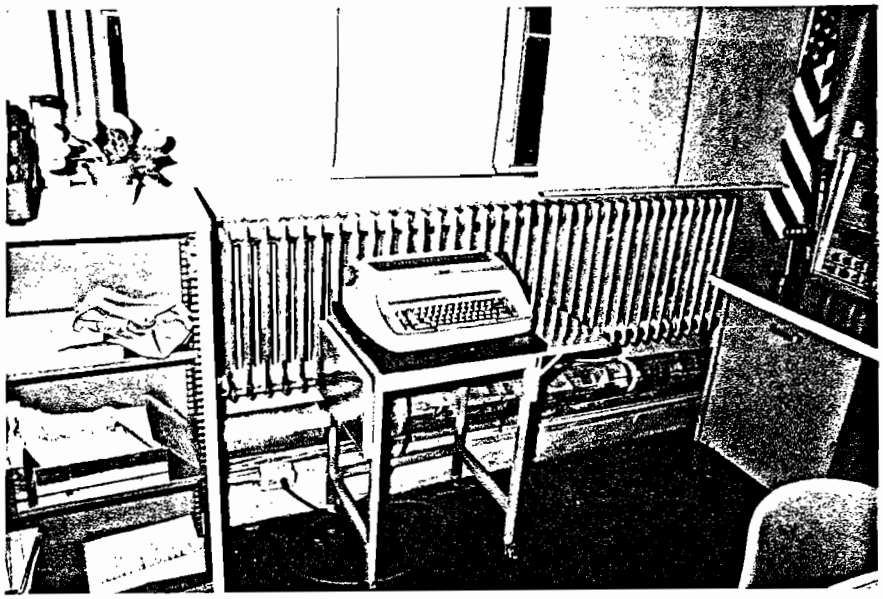
2-17
7

BAND RM.
PIPE AT CEILING



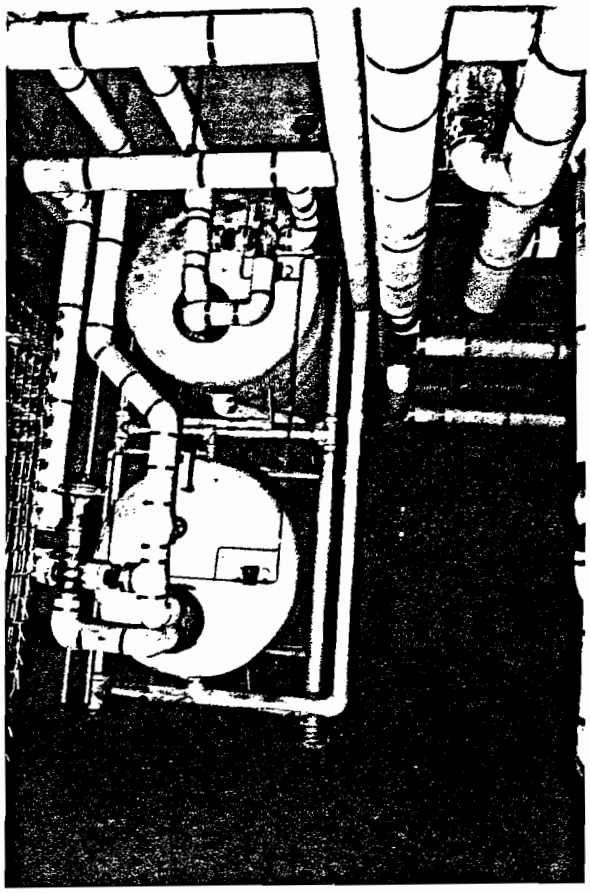
2-17
9

POOL H.W. HEATER ROOF
MAIN STEAM LINE
(Area Points To Damaged Area
& Sample Location)



2-17
12

MAIN OFFICE
PIPE INSUL. AT EXTERIOR WALL



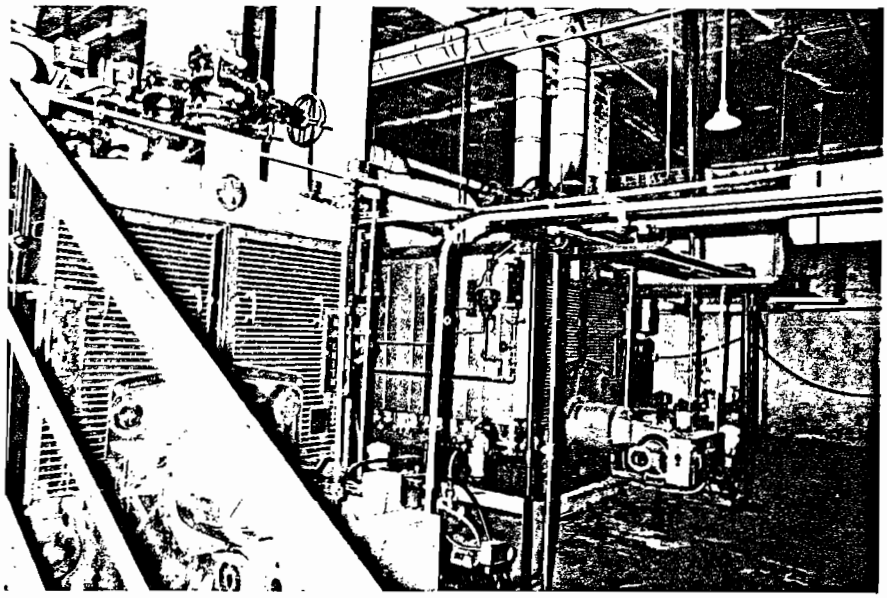
2-17
10

Pool H.W. Storage
H.W. Tank & Pipe Insul.



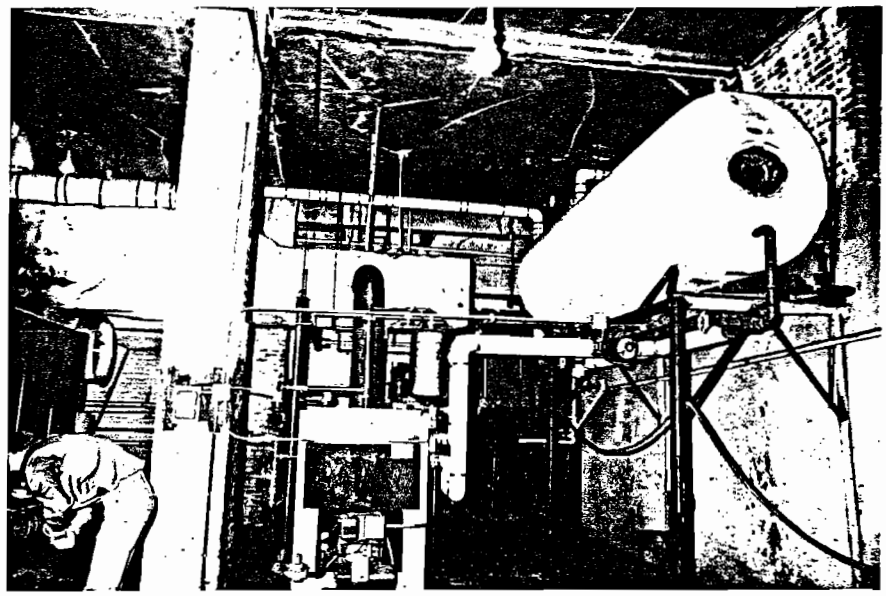
2-17
11

Swimming Pool
Sprayed Acoustical
Ceiling Finish
(Friable)



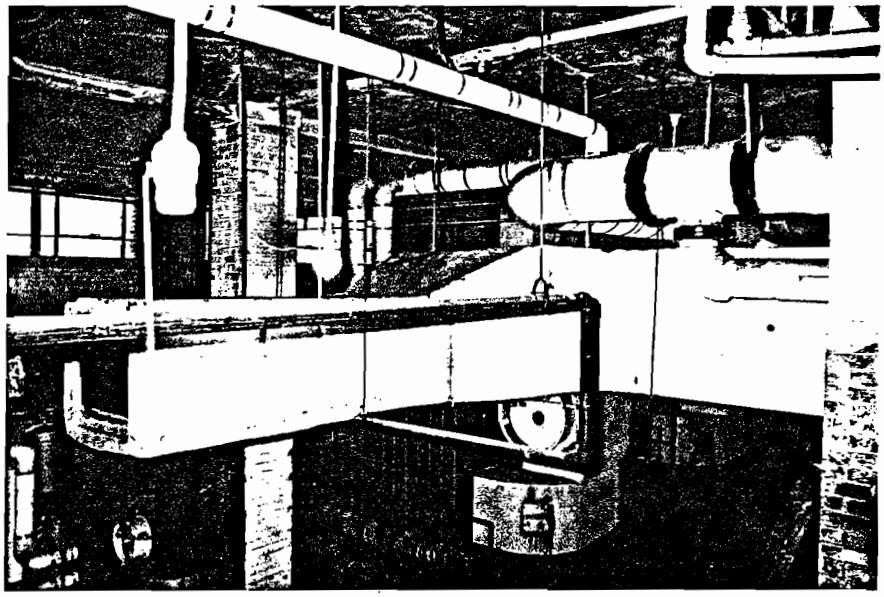
2-17
1

BOILER ROOM
BOILER FRONT



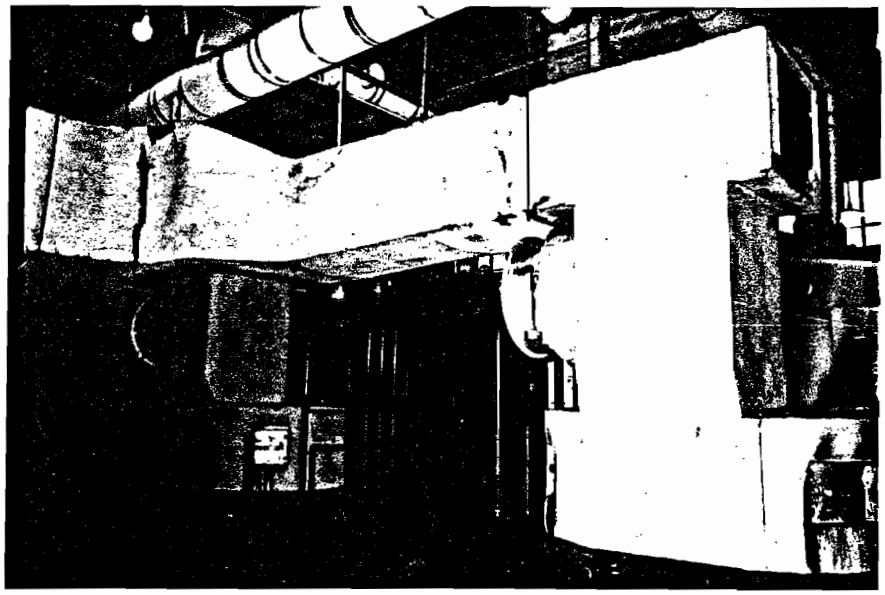
2-17
2

BOILER ROOM
H.W. TANK & H.W. BOILER
@ BOILER BREECHING IN REAR



2-17
3

BOILER ROOM
BOILER BREECHING & MAIN STEAM LINE
(PART NEW & PART OLD)



2-17
4

BOILER ROOM
BOILER BREECHING
REAR OF BOILERS

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST
EAST MIDDLE SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
17-1	# 17	12 NOV 1982		STEAM SUPPLY LINE, OLD PART	BOILER RM.	V. BAD	40				
17-2				BREECHING		DETER. & DAMAG.	50				
17-3				UNDERSIDE OF H.W. TANK			70				
17-4				END CAP INSUL. CEM			5				
17-5				INSUL @ REAR OF BOILER & BREECHING	↓		0				
17-6				ELBOW @ FIBERGL. PIPE INSUL.	TOWEL RM		50				
17-7				PIPE INSUL.	BAND RM		25				
17-8				ELBOW @ FIBERGL. PIPE INSUL	GIRL'S PHYS ED OFFICE	V. BAD DAMAG.	30				
17-9				PIPE INSUL,	POOL WATER HEATER RM	DAMAG	70				
17-10				H.W. TANK INSUL.	HW STORAGE RM		70				
17-11		↓		CEILING	SWIMMING POOL RM	V. FRIABLE	0				
17-12	↓	17 NOV 82		BOILER INSUL UNDER MET. JACKET	BOILER RM		0				

KORDIAN W. WICHTOWSKI ARCHITECT
3 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723 2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

17 EAST MIDDLE SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates Base Bid	Alternates
R	1. Removal of asbestos insulation	$ 17,400	$ -3,000
	2. New insulations	23,000	-12,000
		$ 40,400	$ 15,000

18

WEST MIDDLE SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

18 WEST MIDDLE SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
- -Insulation on two old inactive boilers - rear part of one boiler is partially removed - insulation is severely deteriorated and damaged
- -Insulation of boiler's breeching - deteriorated and dilapidated
- -Insulation of H.W. Storage Tank - deteriorated
- -Insulation of main supply line - deteriorated
- -Insulation on pipes in Pipe Tunnel and in Pool Equipment Room

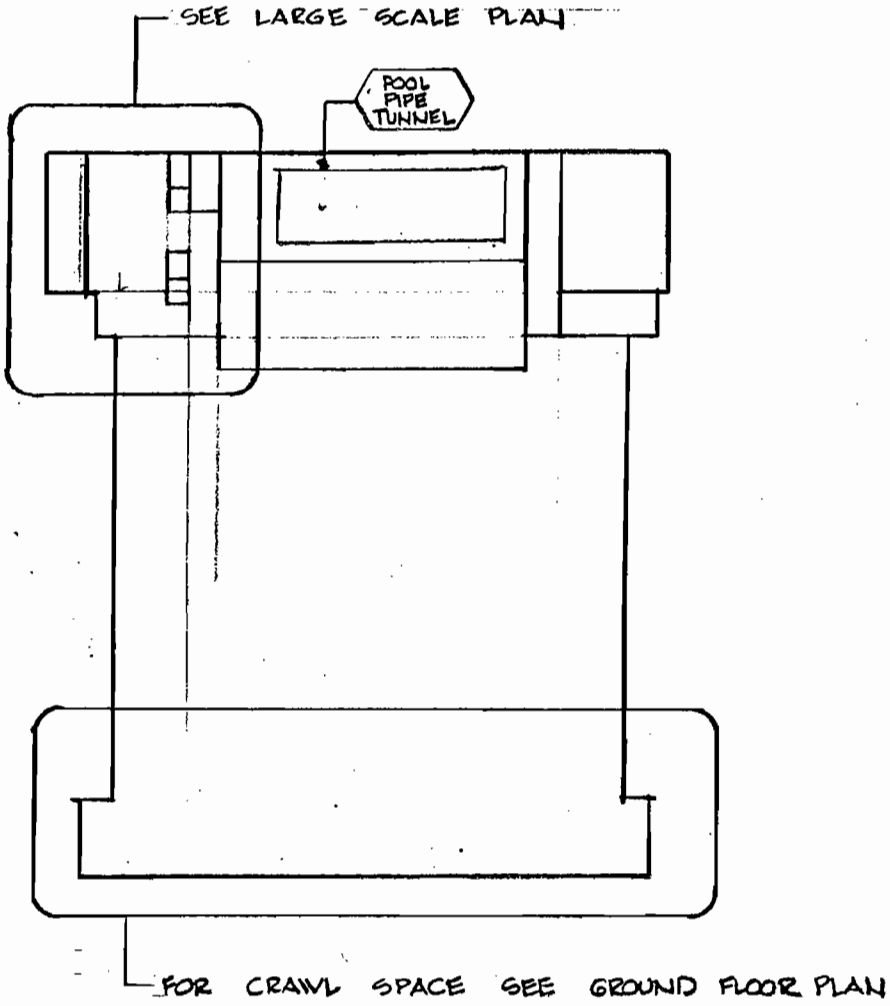
b) GROUND FLOOR:
- -Insulation on pipes in Crawl Spaces - deteriorated and dilapidated
- -Insulation on exposed pipes in almost all other Rooms of Ground Floor (refer to Drawing for location of Rooms involved) - in some places insulation is damaged

RECOMMENDATIONS

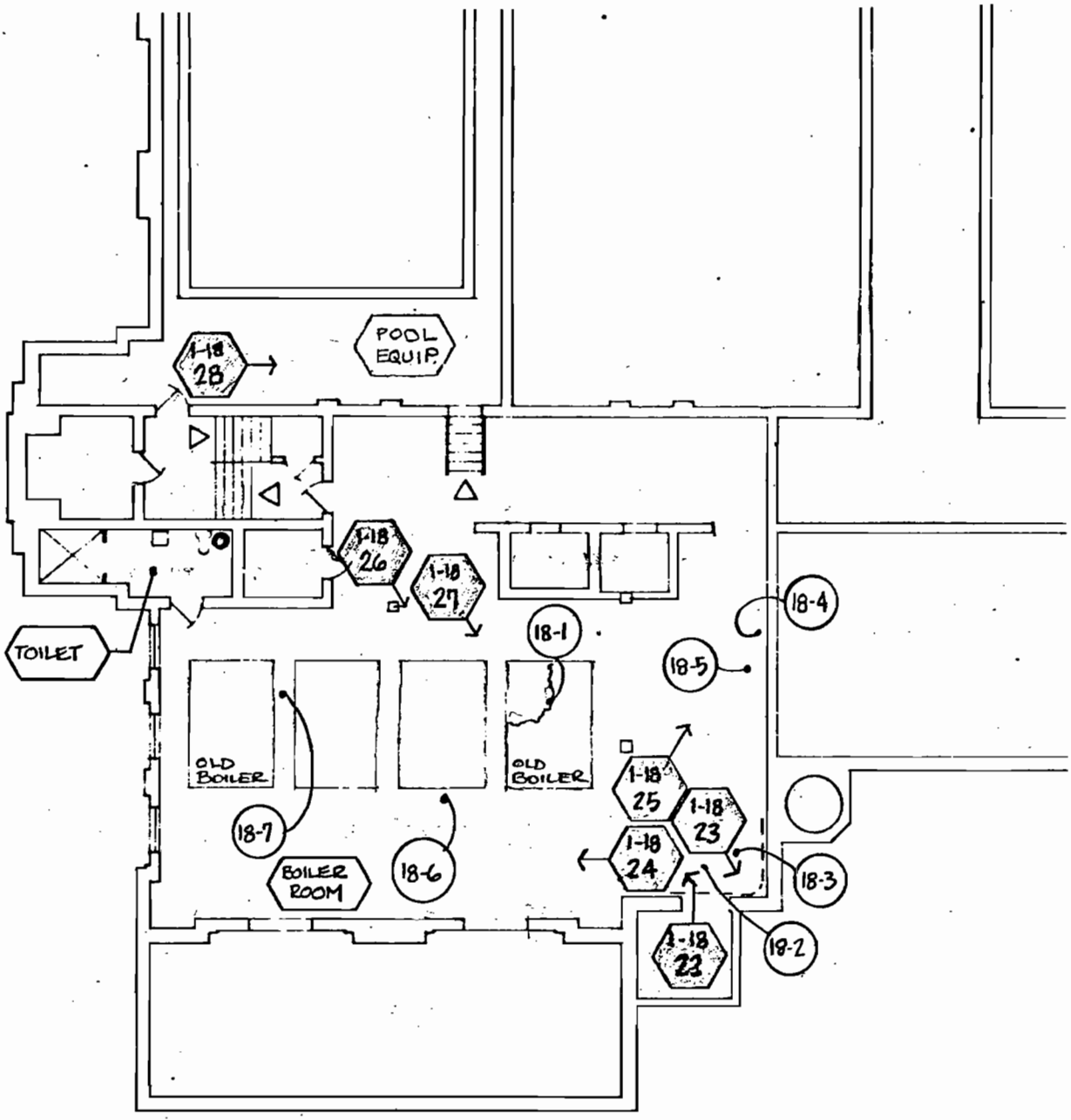
-Remove asbestos insulation from the two inactive boilers. Encapsulate after removal to bond any residue of insulation to metal surfaces.
-Remove asbestos insulation from H.W. Tank and boiler's breeching. Reinsulate using appropriate non-asbestos insulating system.
-Remove asbestos insulation from steam lines in Boiler Room, Pipe Tunnel and Pool Equipment Room. Reinsulate using pre-molded fiberglass insulation.
-Remove asbestos insulation from all pipes on Ground Fl. Remove, as necessary, sections of existing suspended clg. to allow removal of pipe insulation from above ceilings; replace with new ceiling sections to match existing. Insulate all pipes in the building using pre-molded fiberglass insulation. Only C.W. lines are to remain uninsulated. Provide PVC jacketing on exposed pipe insulation on Ground Floor, except insulation in Crawl Spaces and Corridors. Provide suspended T-bar ceilings and new energy efficient recessed light fixtures in Corridors of Ground Floor.

ALTERNATES

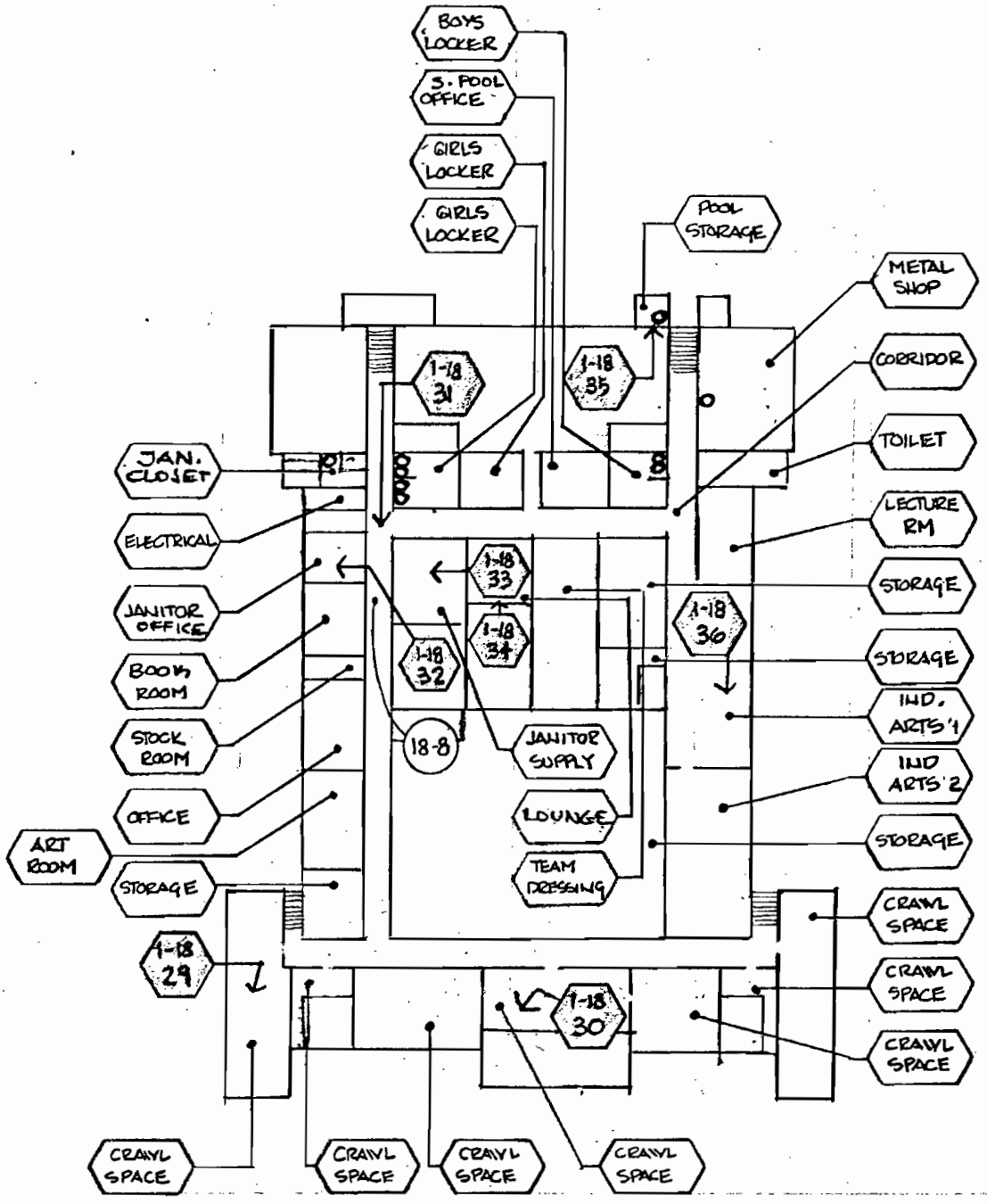
-Delete insulation on H.W. lines.
-Delete insulation on condensate return lines.
-Delete insulation on vertical risers on all Floors.
-Delete suspended ceiling and new light fixtures on Ground Floor Corridors.


SEE LARGE SCALE PLAN
POOL PIPE TUNNEL
FOR CRAWL SPACE SEE GROUND FLOOR PLAN

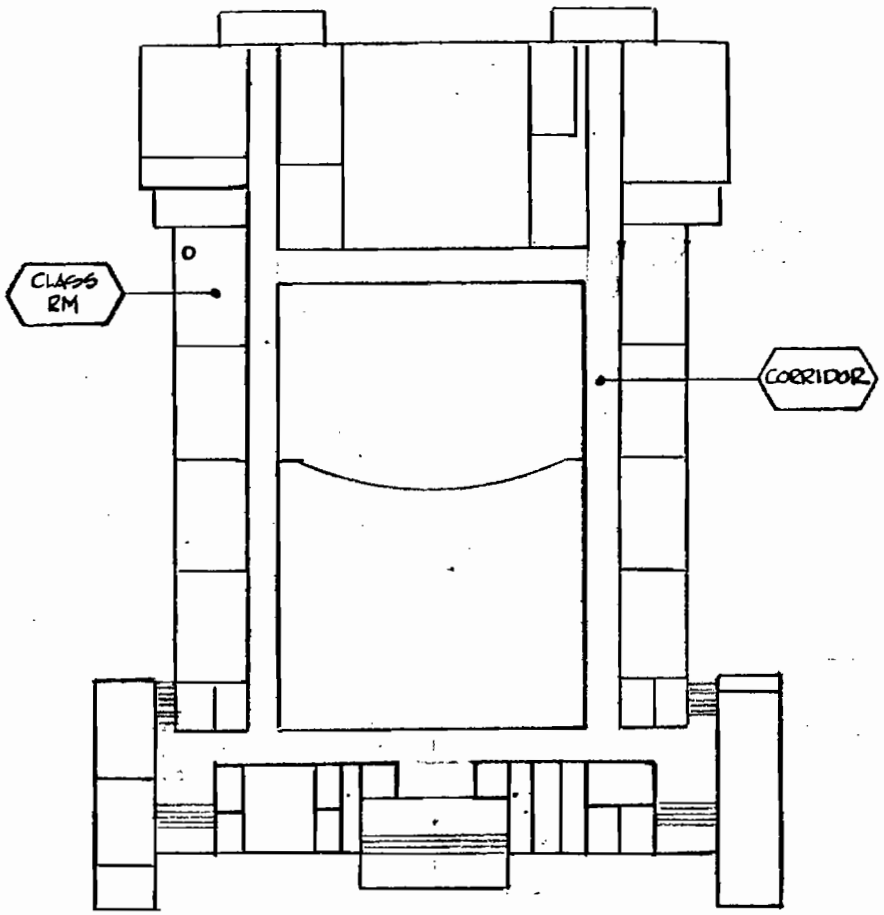
BASEMENT



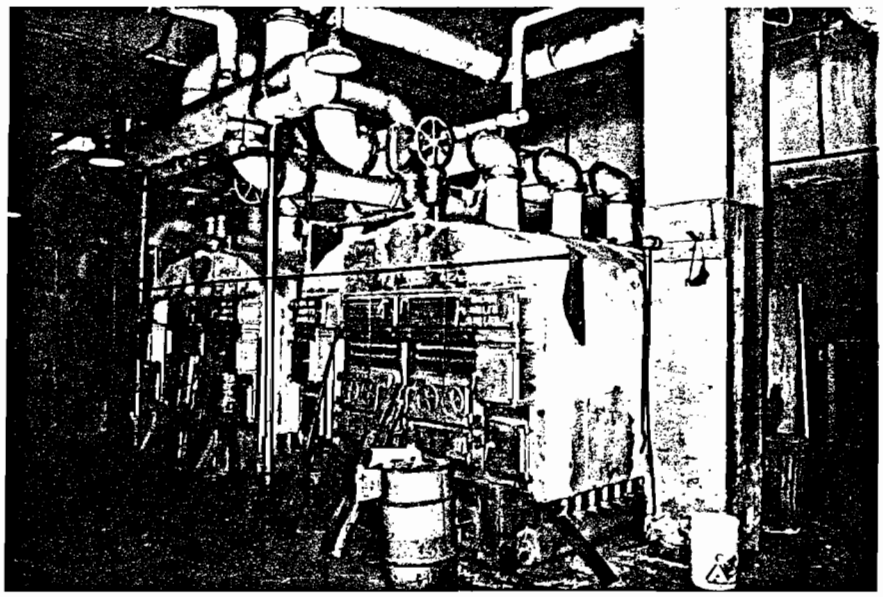
BASEMENT - BOILER ROOM



GROUND FLOOR



FIRST FLOOR



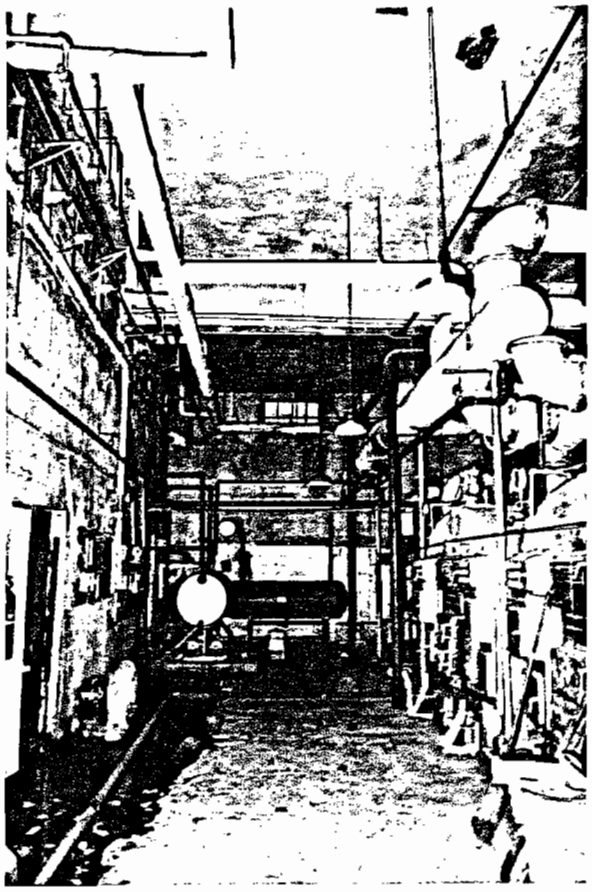
1-18
22

BOILER ROOM
BOILER'S & PIPE INSUL.



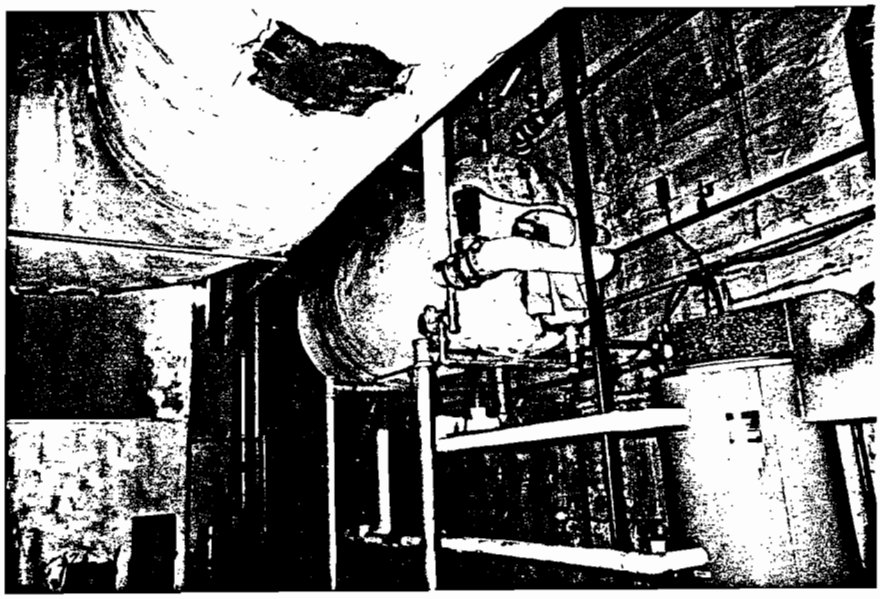
1-18
23

BOILER ROOM
BOILER BREECHING
@ FLUE



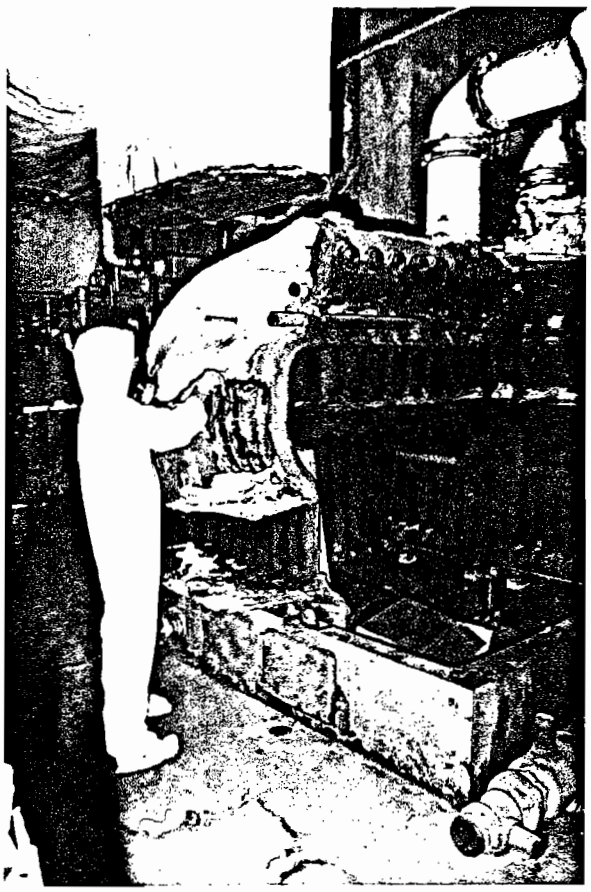
1-18
24

BOILER ROOM



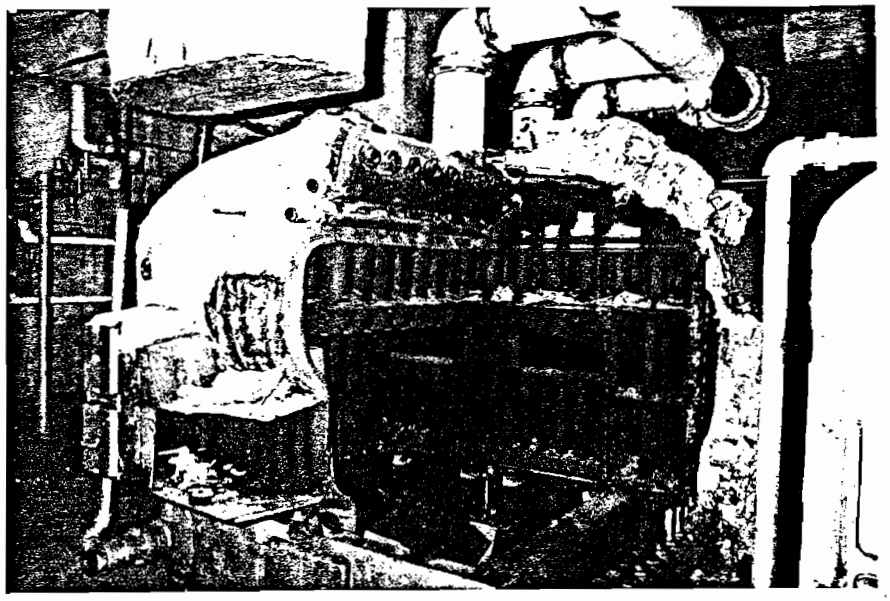
1-18
25

BOILER RM.
H.W. TANK & BOILER BREECHING



1-18
26

BOILER RM.
BOILER INSUL.
DETERIORATED &
DAMAGED



1-18
27

BOILER RM.
BOILER INSUL.
DETERIORATED & DAMAGED



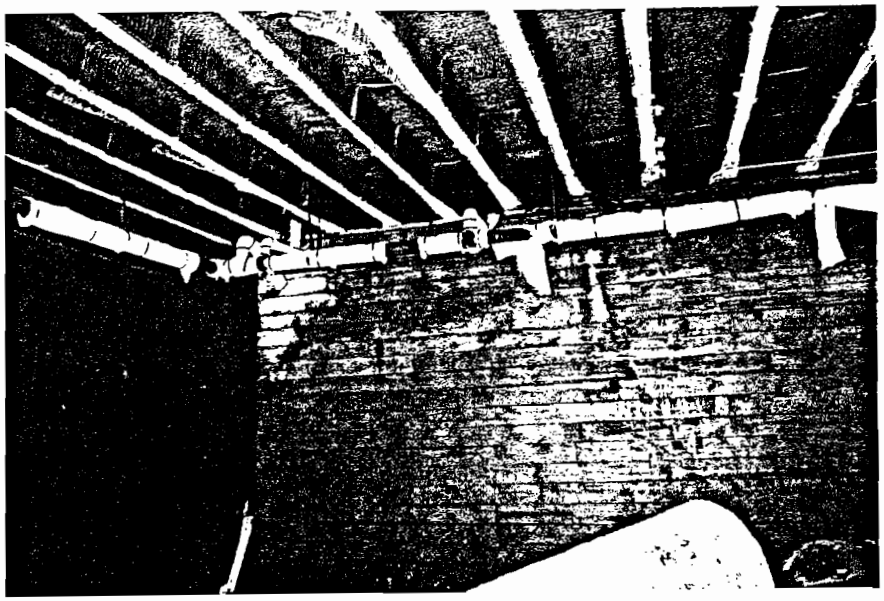
1-18
28

POOL EQUIPMENT RM.
BASEMENT



1-18
29

CRAWL SPACE
PIPE INSUL. (DETERIORATED)



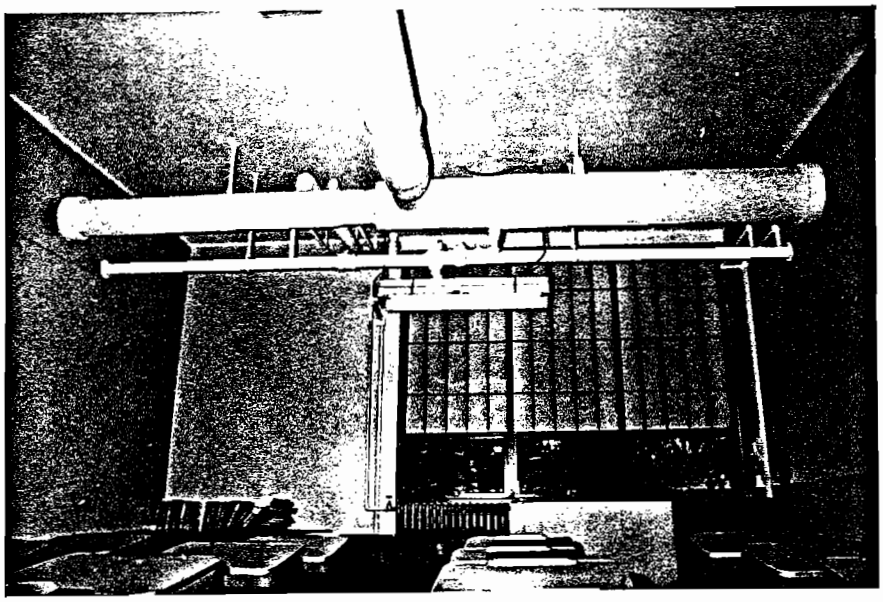
1-18
30

CRAWL SPACE
PIPE INSUL. (DETER.)



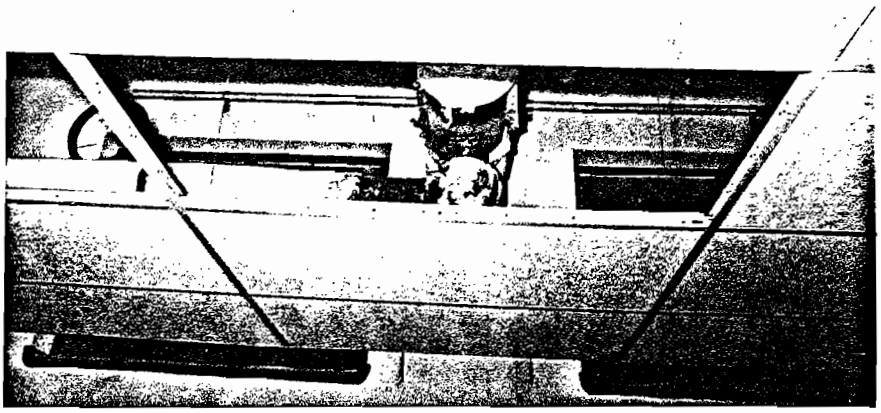
1-10
31

CORRIDOR, GR. FLOOR
PIPES



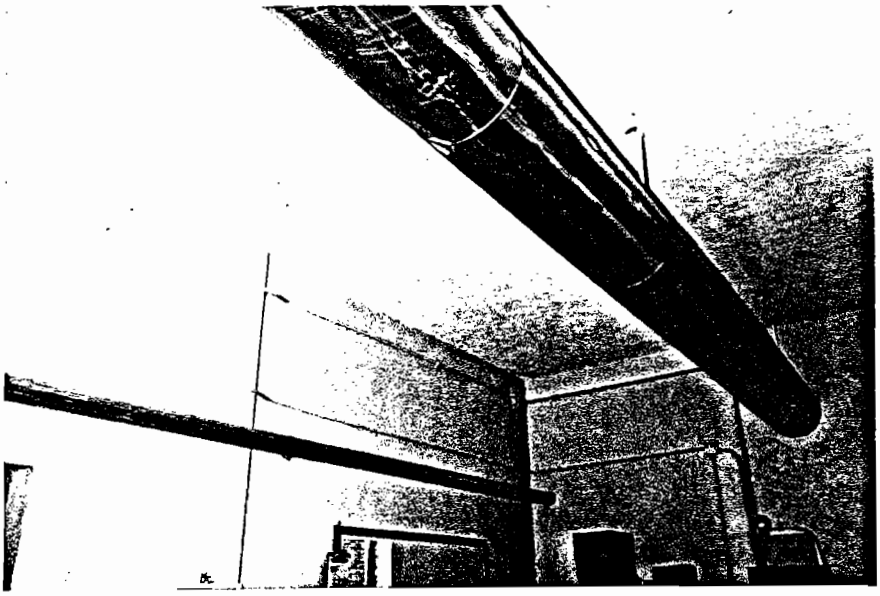
1-18
32

CLASSROOM
PIPE INSUL.



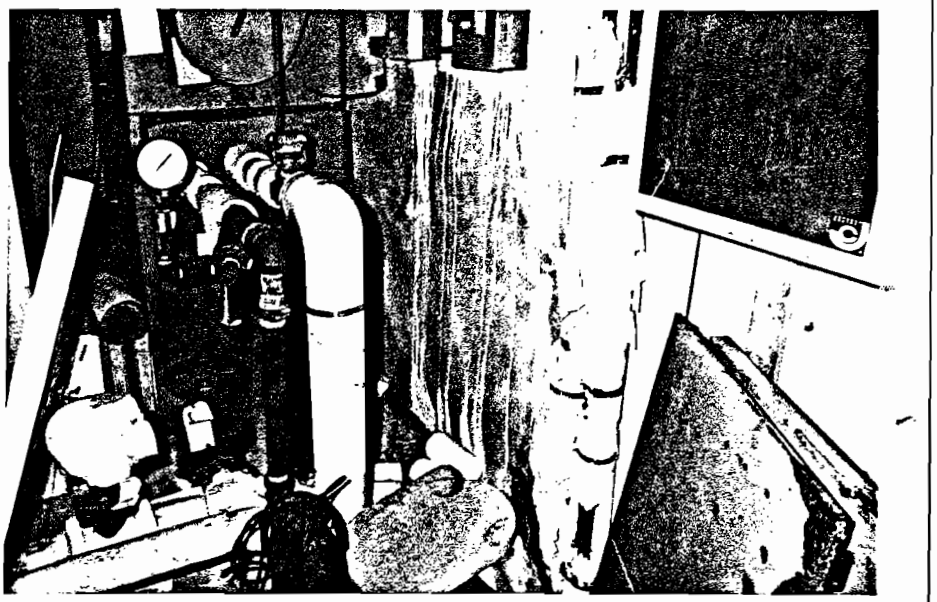
1-18
33

DETERIORATED PIPE INSULATION
ABOVE CURRENTLY INSTALLED SUSP. CEILING

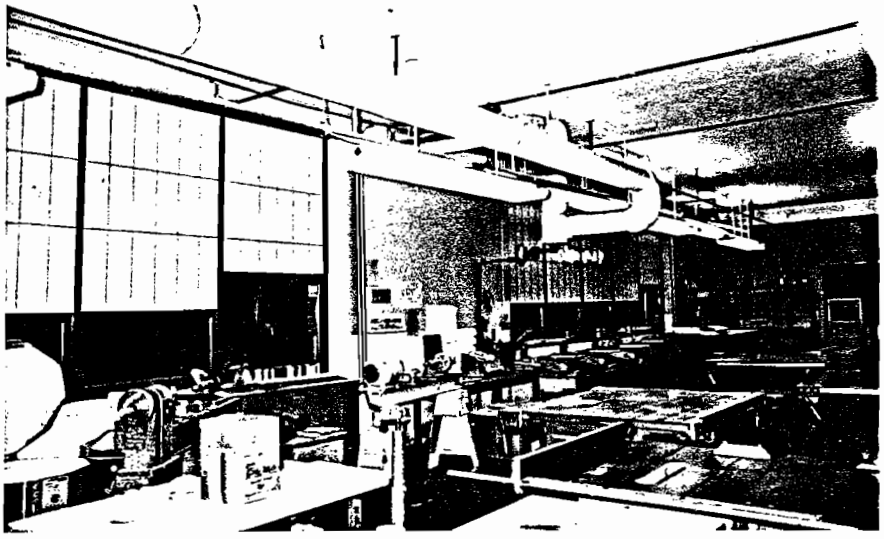


1-18
34

LOUNGE
METAL JACKETING OVER
PIPE INSUL.



1-18
35
POOL STORAGE
PIPE INSUL. (DETER & DAMAGED)



1-18
36
INDUSTRIAL ARTS
PIPE INSUL.

KORDIAN W. WICHTOWSKI ARCHITECT
8 _URCES ROAC · BINGHAMTON NY 13905 · (607) 723 2114

Owner: BINGHAMTON CITY SCHOOL DIST.
WEST MIDDLE SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
18-1	#18	11 NOV 1982		BOILER INSUL.	BOILER RM	DETER. & DAMAG.	35	V. HIGH	R & E		
18-2				BREECHING OUTSIDE LAYER			50	V. HIGH	R		
18-3				BREECHING INSIDE LAYER			50	V. HIGH	R		
18-4				HORIZ. PIPE @ WALL			70	HIGH	R		
18-5				SIDE OF H.W. TANK			35	V. HIGH	R		
18-6				STEAM SUPPLY PIPE		↓	65	HIGH	R		
18-7				END CAP INSUL. CEM. @ FIBERGL. PIPE	↓		0	—	—		
18-8	↓	↓		HORIZ. PIPE	1ST FL. CORRIDOR		80	MODER., V. HIGH WHERE DAMAGED	R		

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

18 WEST MIDDLE SCHOOL

OUTLINE OF WORK AND COST ESTIMATES

Asbestos Abatement	Outline of Work	Cost Estimates Base Bid.	Alternates
R	1. Removal of asbestos insulation	$ 28,400	-
	2. New suspended ceilings and light fixtures on Ground Floor Corridor	20,500	$ -18,500
	3. New insulations	51,700	-16,700
		$100,600	$ -35,200

18A

WEST MIDDLE SCHOOL
PHYSICAL EDUCATION FACILITY

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

18A WEST MIDDLE SCHOOL, PHYSICAL EDUCATION FACILITY

FINDINGS

Single story building (pre-manufactured metal) used for athletic functions. Inspection of spaces concluded with no findings of materials suspected of containing asbestos. Consequently, no samples and no photographs were taken within this facility.

RECOMMENDATIONS

NONE - In our opinion, based on inspection described above, there is no asbestos.

19C

BINGHAMTON HIGH SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

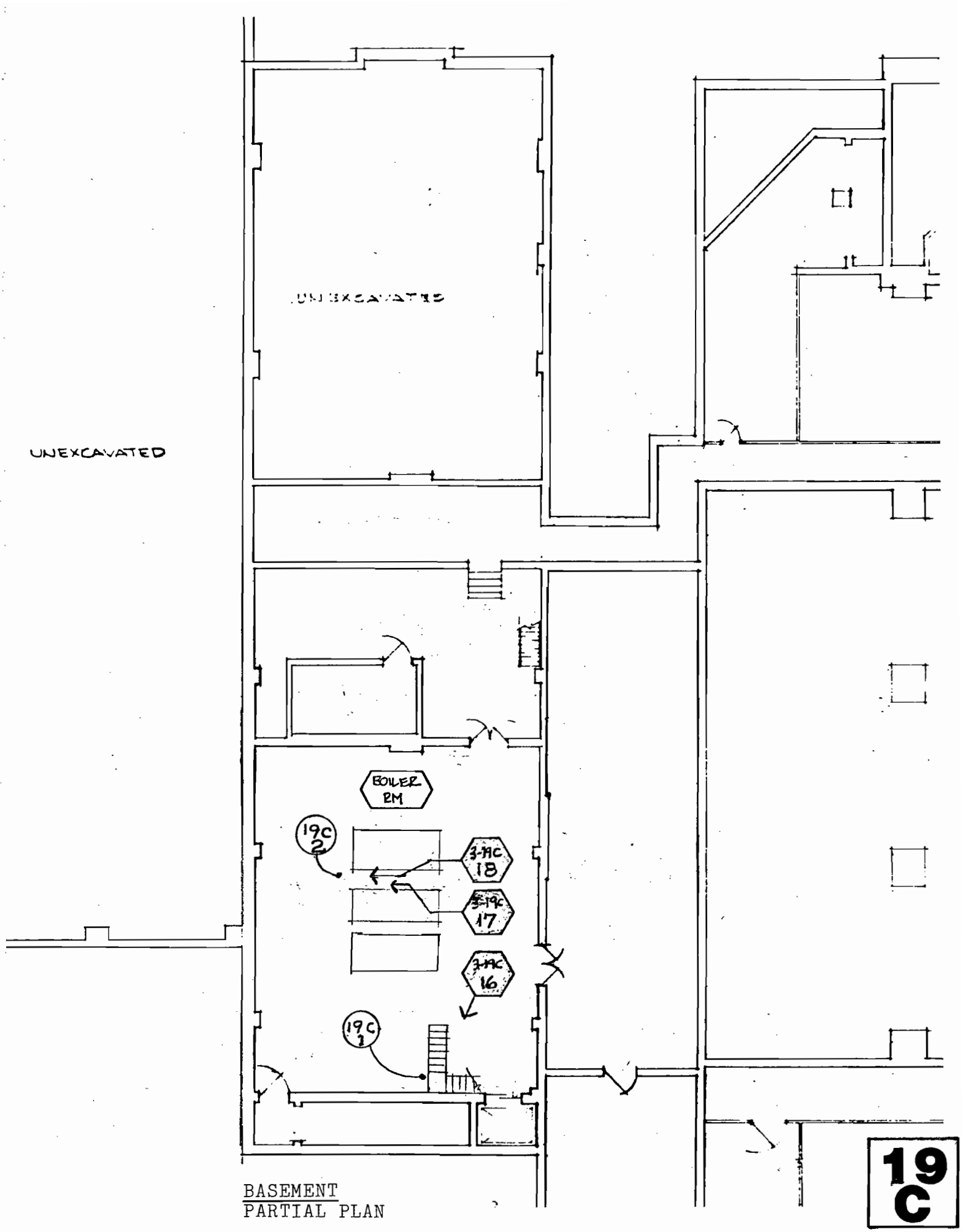
19C BINGHAMTON HIGH SCHOOL

FINDINGS

Asbestos materials were found in the following areas:
a) BASEMENT (Boiler Room):
-Insulation on boiler's breeching (old part)
-Insulation on main steam line (old sections) and some miscellaneous pipes - deteriorated and damaged, friable

RECOMMENDATIONS

-Remove asbestos insulation from breeching. Reinsulate using appropriate non-asbestos insulation system.
-Remove asbestos insulation from steam lines. Reinsulate using pre-molded fiberglass insulation.



BASEMENT
PARTIAL PLAN

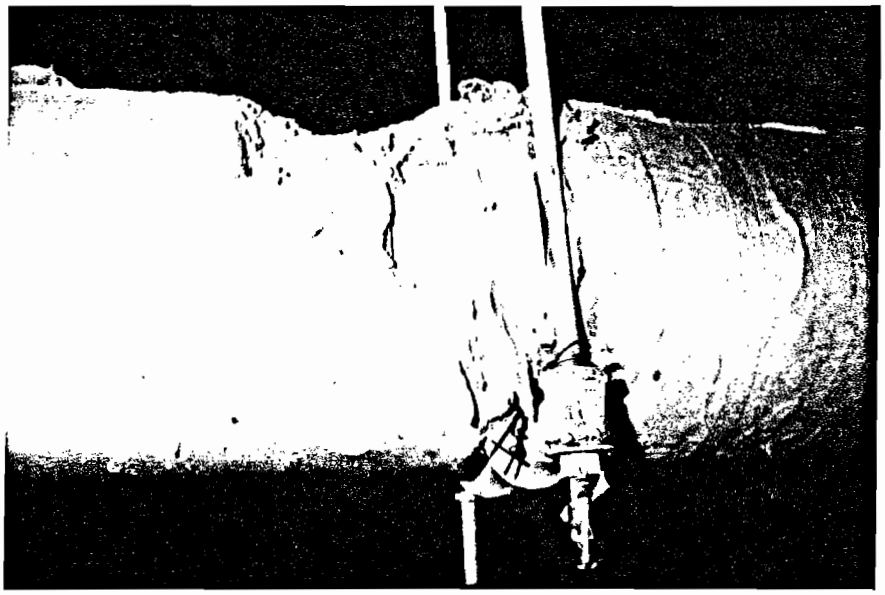
19C



3-19C 16 BOILER ROOM
BOILER BREECHING



3-19C 17 BOILER ROOM
MAIN STEAM LINE
(OLD SECTIONS)



3-19C
18

BOILER ROOM
MAIN STEAM LINE - OLD SECTION
(DAMAGED & DETERIORATED)

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

Owner: BINGHAMTON CITY SCHOOL DIST.
BINGHAMTON HIGH SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
19-C 1	19-C	14 NOV 1982		BOILER BREECHING (OLD PART)	BOILER RM.		70 & 60	MODER.	R		
19-C 2	↓	↓		MAIN STEAM SUPPLY LINE (OLD PART)	↓	BAD, DAMAG.	50	HIGH	R		

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

19C BINGHAMTON HIGH SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates Base Bid	Alternates
R	1. Removal of asbestos insulation	$2,500	-
	2. New insulation	2,700	-
		$5,200	

20

NORTH HIGH SCHOOL

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

20 NORTH HIGH SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
- -Insulation on one (old) inactive boiler - severely deteriorated and dilapidated
- -Insulation on boiler's breeching (both old and new sections)
- -Insulation on old inactive H.W. Storage Tank at Boiler Room
- -Insulation on main steam supply line and other old pipes in Boiler Room - severely deteriorated
- -Insulation on pipes in Crawl Space

b) GROUND FLOOR:
- -Pipe insulation in Welding Rooms 1 & 2, Auto Shop, Stock Room and in Pipe Chase

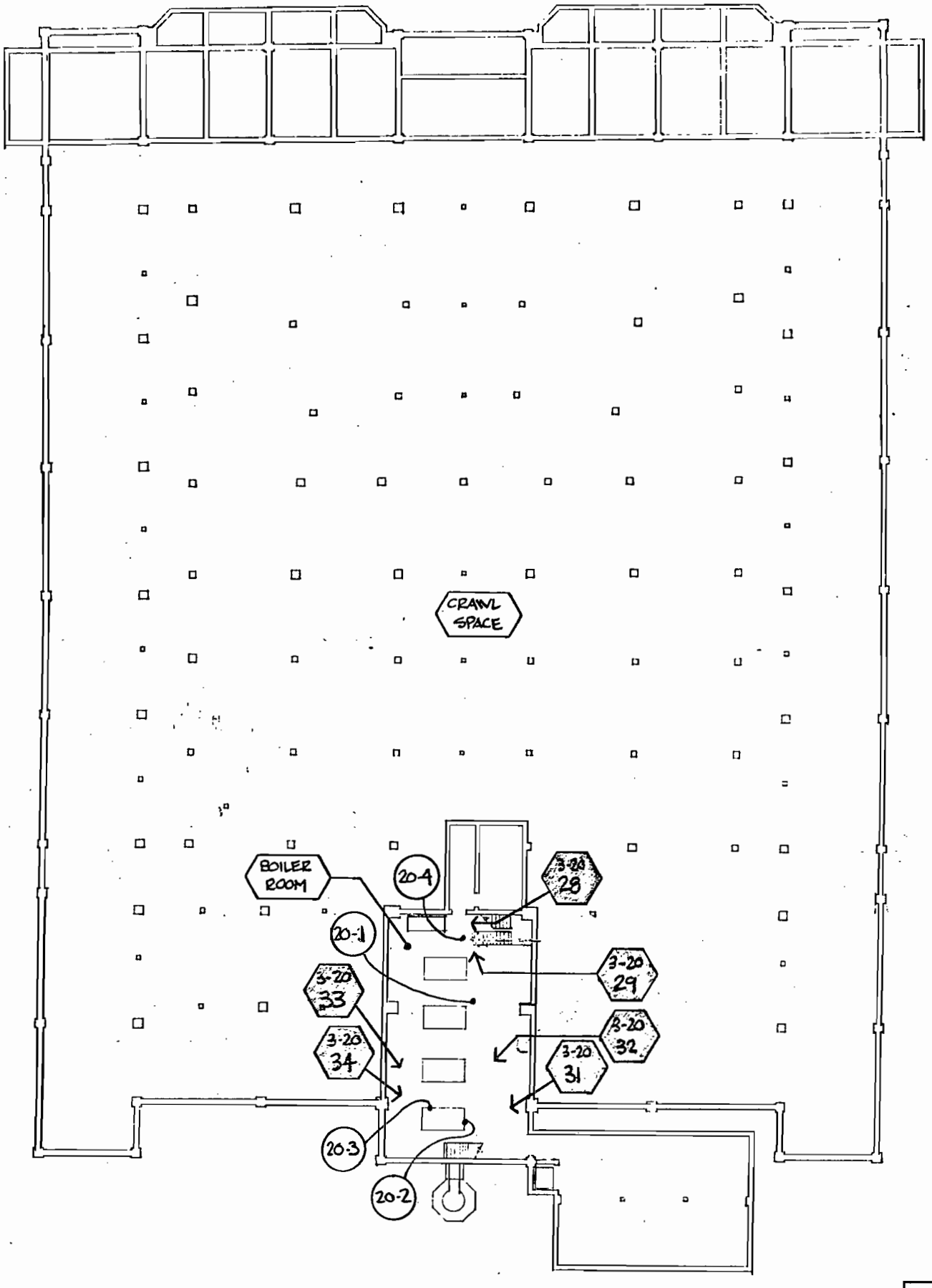
c) FIRST FLOOR:
- -Pipe insulation in two Pipe Chases

RECOMMENDATIONS

-Remove asbestos insulation from old inactive boiler and H.W. Tank. Encapsulate after removal, if necessary, to bond any residue of insulation to metal surfaces.
-Remove asbestos insulation from boiler's breeching. Re-insulate using appropriate non-asbestos insulating system.
-Remove asbestos insulation from all exposed pipes. Insulate all pipes using pre-molded fiberglass insulation. Provide PVC jacketing in Storage Rooms, Welding 1 & 2, and Auto Shop. Only C.W. lines are to remain uninsulated.

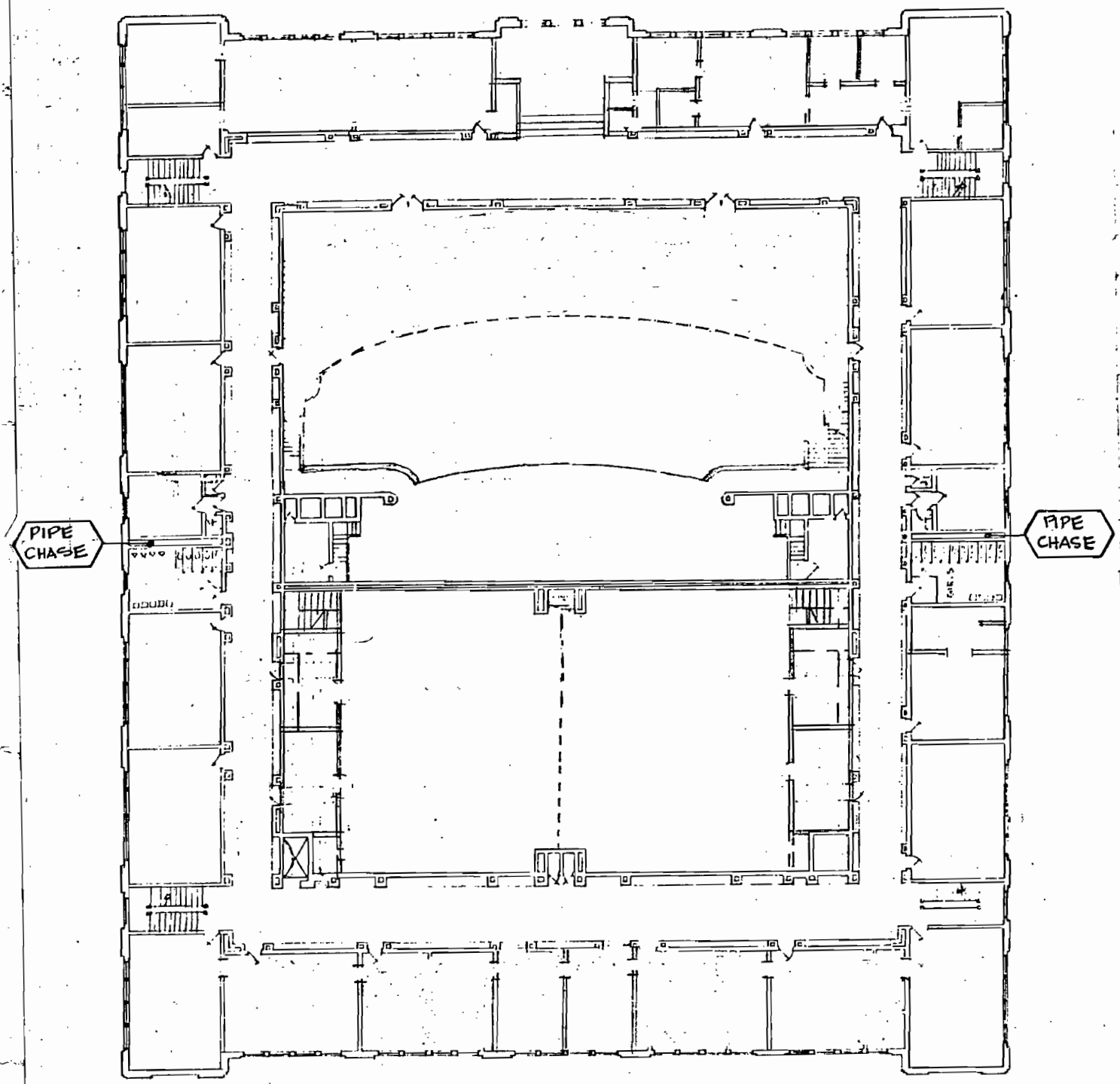
ALTERNATES

-Delete insulation on risers in all Rooms.
-Delete insulation of H.W. lines.
-Delete insulation of condensate return lines.

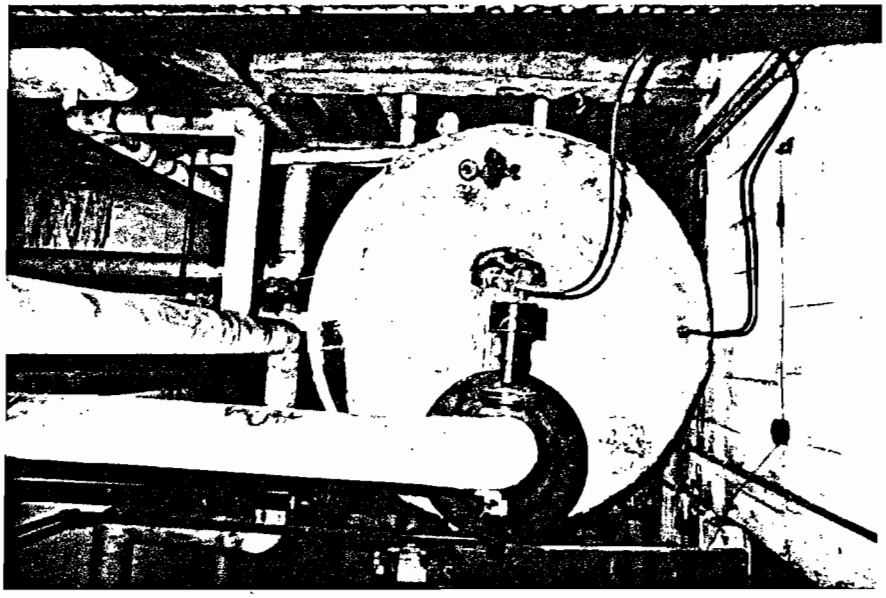

CRAWL SPACE
BOILER ROOM
20-4
3-20 28
20-1
3-20 29
3-20 33
3-20 32
3-20 34
3-20 31
20-3
20-2

BASEMENT

20

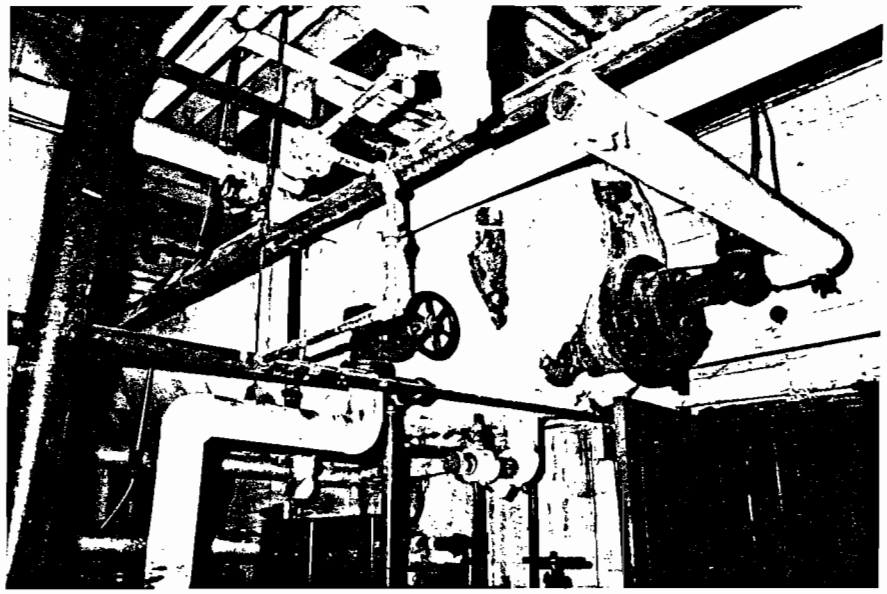


FIRST FLOOR



3-20
28

BOILER ROOM
OLD H.W. PIPES & TANK



3-20
29

BOILER ROOM
OLD H.W. TANK & PIPES INSUL.
(V. DETERIORATED)



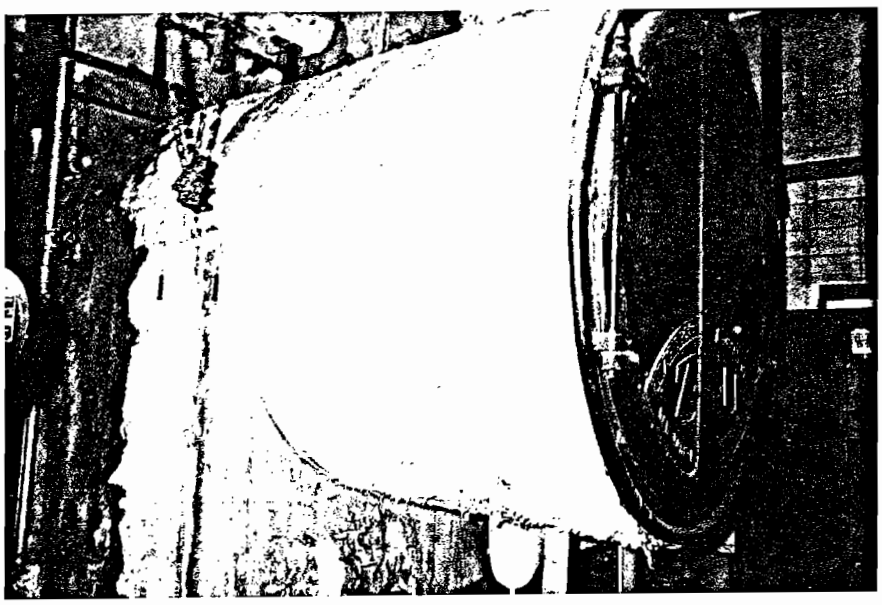
3-20
31

BOILER ROOM
BOILER BREECHING (OLD PART)
DETERIORATED



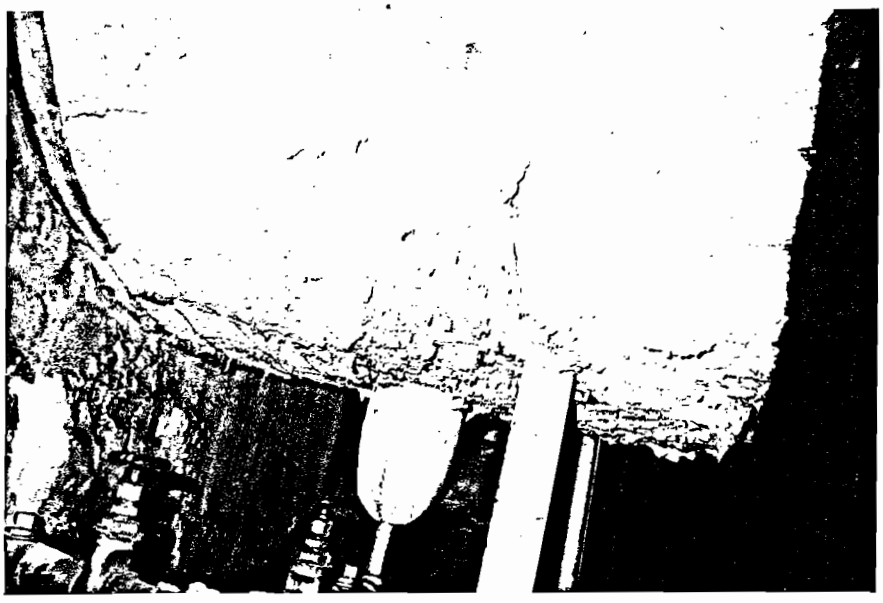
3-20
32

BOILER ROOM
OLD BOILER INSUL.
DETERIORATED



3-20
33

BOILER ROOM
OLD BOILER INSUL. @ REAR
VERY DETERIORATED



3-20
34

BOILER ROOM
OLD BOILER INSUL. @ REAR
VERY DETERIORATED

KORDIAN W. WICHTOWSKI ARCHITECT
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Owner: BINGHAMTON CITY SCHOOL DIST.
NORTH HIGH SCHOOL

R - REMOVAL
E - ENCAPSULATION
C - ENCLOSURE
D - DEFERRED ACTION

EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
20-1	20	15 NOV. 1982		BOILER BREECHING (@ NEW BOILER)	BOILER RM		80				
20-2				BOILER INSUL. (OUTSIDE LAYER) @ OLD BOILER		V. DETER.	70				
20-3				BOILER INSUL. (INSIDE LAYER) @ OLD BOILER		V. DETER.	50				
20-4				MAIN STEAM SUPPLY LINE		DETER.	25				

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D - DEFERRED ACTION

Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

20 NORTH HIGH SCHOOL

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of asbestos insulation	$ 45,000	-
	2. New insulation	68,300	$-30,000
		$113,300	$-30,000

20A

NORTH HIGH SCHOOL
PHYSICAL EDUCATION FACILITY

KORDIAN W. WICHTOWSKI ARCHITECT
8 LOURDES ROAD • BINGHAMTON NY 13905 • (607) 723-2114

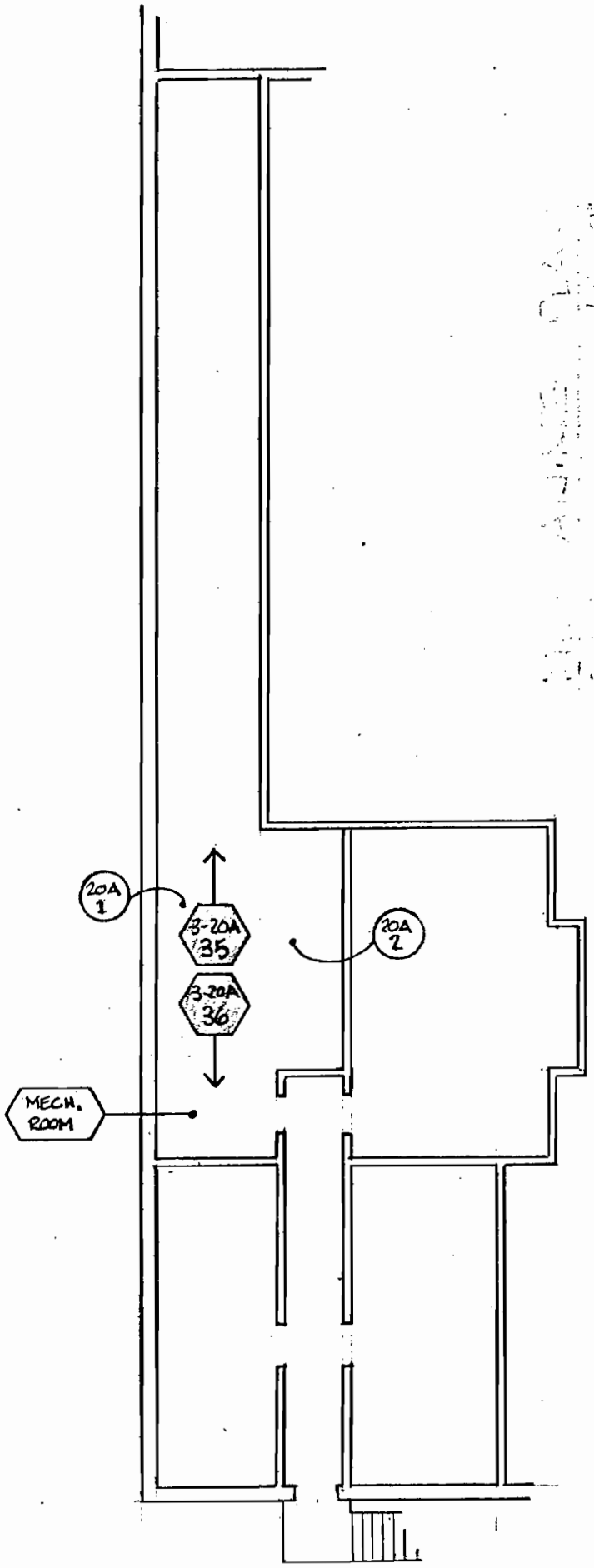
20A NORTH HIGH SCHOOL, PHYSICAL EDUCATION FACILITY

FINDINGS

Upper part of mezzanine of the building contains Storage Rooms and Mechanical Room. Exposed structural steel of roof in Mechanical Room is spray fireproofed (friable material). Pipes have pre-molded fiberglass insulation. Breechings were suspected to have asbestos type insulation. PLM laboratory tests of samples of spray fireproofing and breeching insulation were reported as containing no asbestos (o%).

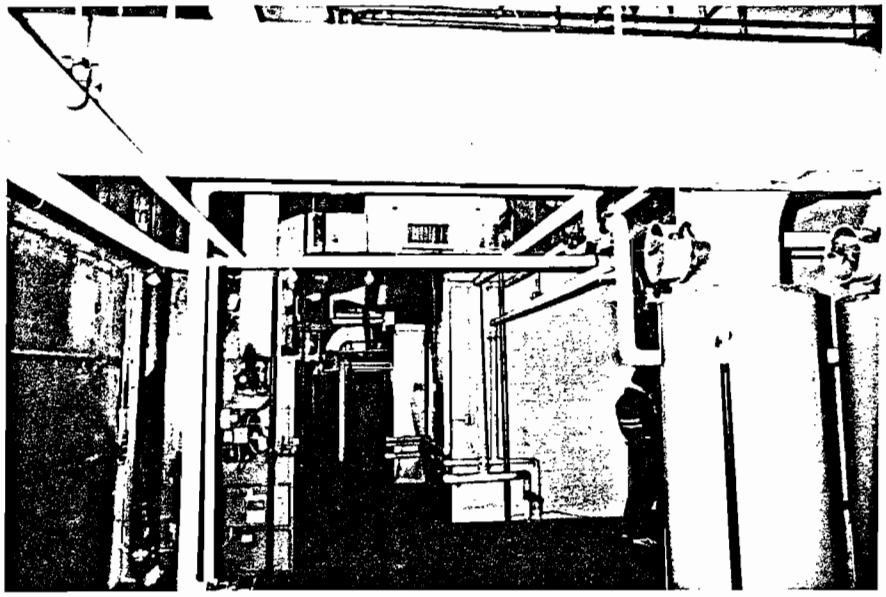
RECOMMENDATIONS

-Perform additional sampling and lab testing of spray fireproofing and breeching insulations (two additional samples of each material) to be able to declare the building as asbestos-free. The above recommendation is in accordance with current EPA regulations requiring 3 samples of each material having 0% asbestos.



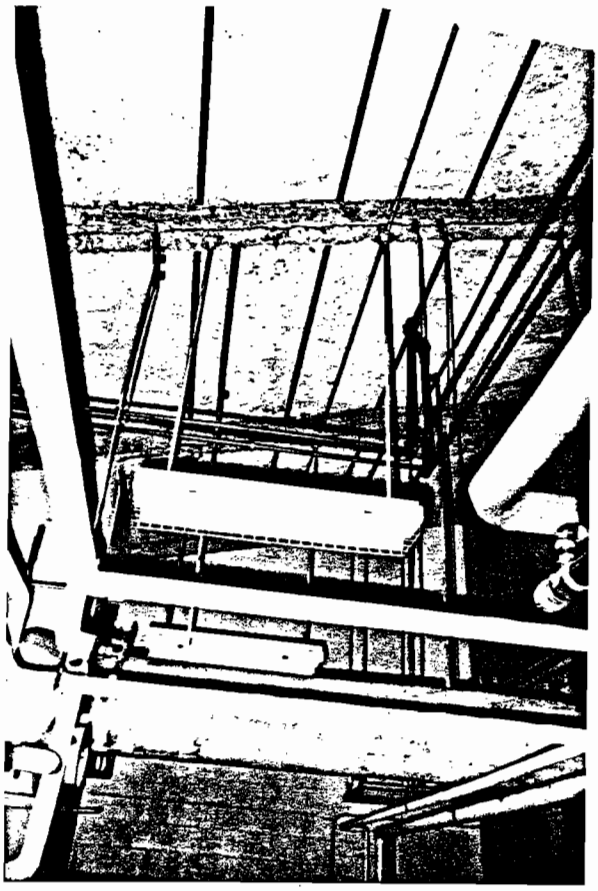
MEZZANINE

20A



3-20A
35

MECHANICAL ROOM
FURNACE BREECHING



3-20A
36

MECHANICAL ROOM
SPRAY FIREPROOF
@ STRUCT. STEEL
@ ROOF

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Owner: BINGHAMTON CITY SCHOOL DIST.
NORTH HIGH - PHYS ED. FACILITY

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EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
20-A-1	20-A	15 NOV 1982		BOILER BREECHING	MECH. RM		0	—	—	ADD. SAMPL.	
20-A-2	↓	↓		SPRAY FIREPROOF'G @ ROOF BEAMS	↓	V. FRIABLE	0	—	—	↓	

21

CHESTER B. LORD SCHOOL

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21 CHESTER B. LORD SCHOOL

FINDINGS

Asbestos materials were found in the following areas:

a) BASEMENT:
   - Elbows and fittings of fiberglass pipe insulation in Boiler Room and in Garage
   - Insulating cement between two cast iron doors of boiler - insulating cement damaged by water leak

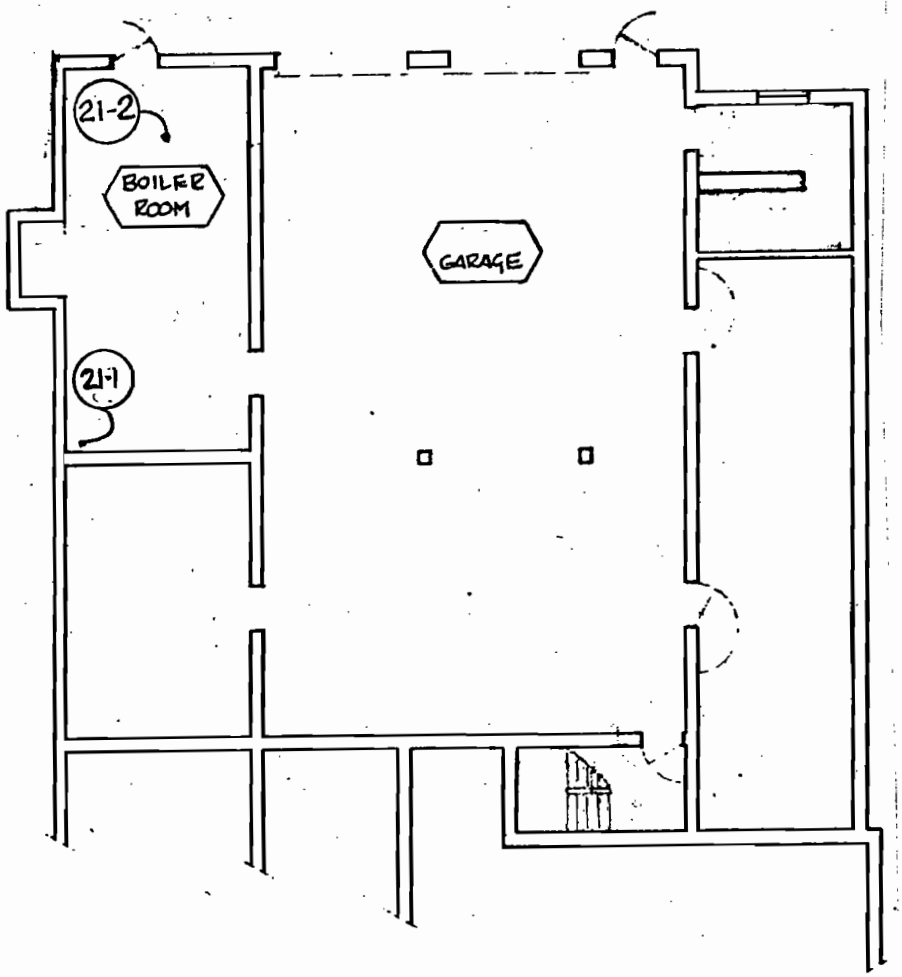
b) FIRST FLOOR:
   - Elbows and fittings of fiberglass pipe insulation in Pipe Chase

RECOMMENDATIONS

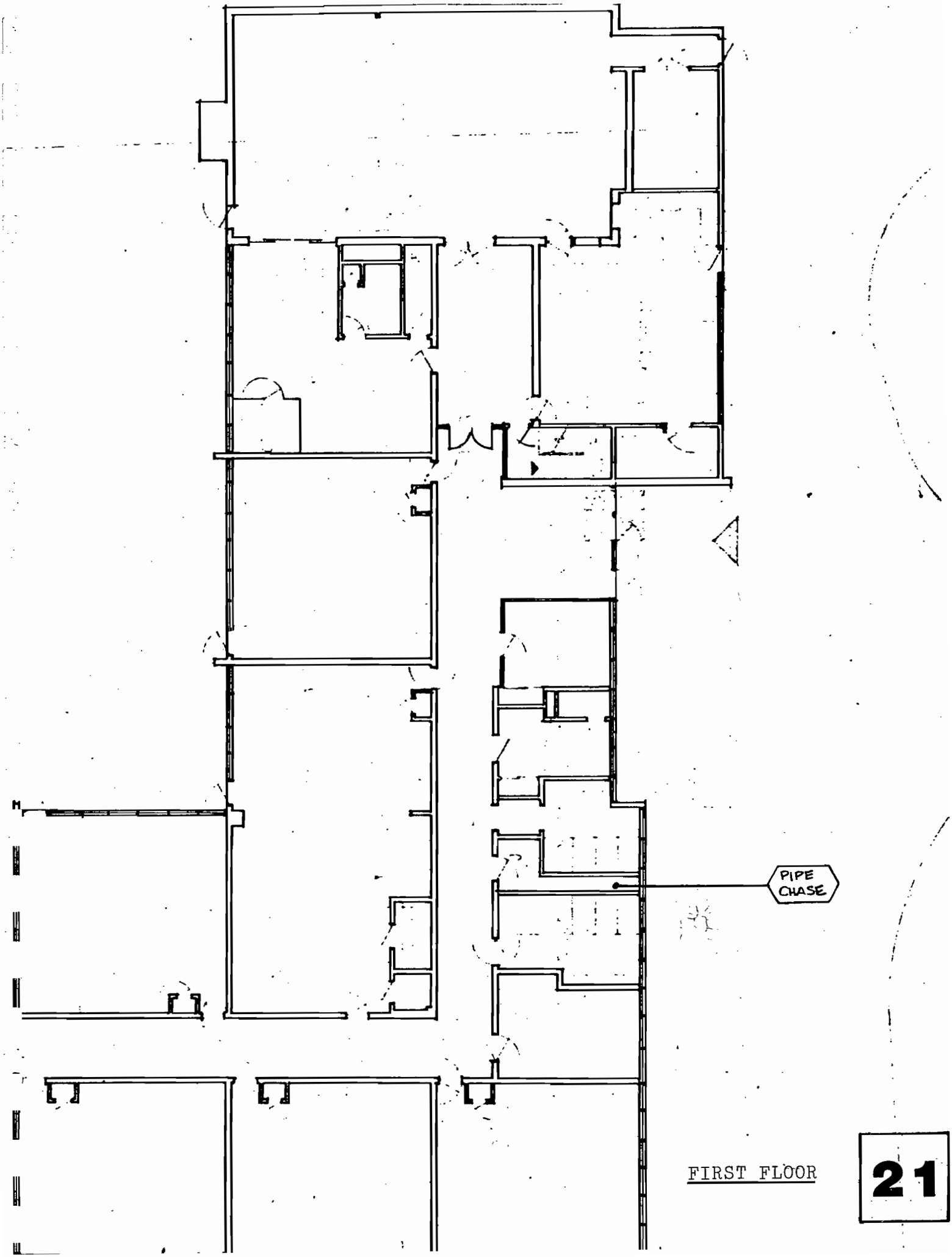
- Remove existing asbestos insulating at boiler. Replace, if necessary, with non-asbestos insulating cement.
- Remove existing asbestos insulation at elbows and fittings of fiberglass pipe insulation in Boiler Room, Garage and in Pipe Chase. Reinsulate using pre-molded fiberglass pipe insulation.

ALTERNATE

- Encapsulate existing insulation at elbows and fittings (instead of removal and reinsulation).



BASEMENT



FIRST FLOOR

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CHESTER B. LORD SCHOOL

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EVALUATION OF ASBESTOS CONTENT IN BUILDING MATERIALS

SAMPLES #	Bldg.	Day/Mo/Yr	Rm#	Wall Clg. Other	Rm Name	Remarks	TEST Asbest. %	EXPO. ASSES.	RECOMMENDATION Action	Remarks	
21-1	21	15 NOV 1982		INSUL. CEM @ FIBERGL PIPE INSUL	BOILER RM		20	LOW	R		
21-2	↓	16 NOV 1982		BOILER GASKET	↓	WATER DAMAG.	25	MODER.	R		

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Owner: BINGHAMTON CITY SCHOOL DISTRICT

Project: EVALUATION STUDY FOR ASBESTOS MATERIALS

PROJECT # 1482

21 CHESTER B. LORD

O U T L I N E O F W O R K A N D C O S T E S T I M A T E S

Asbestos Abatement	Outline of Work	Cost Estimates	
		Base Bid	Alternates
R	1. Removal of asbestos insulations	$1,100	$ -500
	2. New insulation	1,000	-800
		$2,100	$1,300

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March 12, 2026

ATL Project No. ET5402AV-01-03-26

Asbestos Work Area Documentation

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Location: Theodore Roosevelt Elementary School – Demolition of Three-Story Section of Building (Exterior Abatement/Demolition)

Work Area: Exterior – Building Demolition with Asbestos Left In-place

Pertinent Site/Work Area Information:

The abatement consists of demolition of the three-story section of the Theodore Roosevelt Elementary School located in Binghamton, Broome County, New York. We request that demolition of the referenced portion of the school, with non-friable and limited friable asbestos-containing materials (ACM), be performed in accordance with 12 NYCRR 56-11.5. A copy of the asbestos abatement design drawings depicting the identified non-friable ACM will be uploaded as part of this variance submission.

Most of the existing friable ACM will be removed pursuant to work procedures described in the additional work area documentation that is included with this variance submission. Friable ACM that remains during demolition of the building section will only be in areas where destructive demolition could result in a structural integrity concern (as shown on the attached structural drawing and letter) and affected components cannot be demolished during interior abatement activities.

The following abatement activities will be required for abatement of ACM within the building section scheduled for demolition:

- Follow NYCRR 56-11.5 – Controlled Demolition with Asbestos in Place, with additional stipulations listed in the Work Procedures section below.

Requested Reliefs and Associated Hardships:

Code Rule 56 Section	Title	Hardship
56-6.2	Number and Location of Background Air Samples	Due to this being demolition with asbestos in-place after an interior abatement of friable materials, background air samples cannot be completed.

Code Rule 56 Section	Title	Hardship
56-8.4	Handling and Removal Procedures	Project will require use of heavy machinery (e.g., excavator with grapple bucket or cutters, VEC loader, boom manlifts, low pressure washers, HEPA exhaust attached power hand tools, cutting torches) to perform removal of the three-story section of the referenced school building (following safe work procedures to be implemented by the abatement contractor).
56-9.1(b)	Final Cleaning Procedures – First Cleaning, Lockdown Encapsulation and Top Layer Removal	Due to this being an exterior open air work area, no plasticizing is required.
56-9.1(c)	Final Cleaning Procedures – Second Cleaning and Bottom Layer Removal	Due to this being an exterior open air work area, no plasticizing is required.
56-9.2(d)	Clearance Air Sampling	Due to this being an exterior open air work area, aggressive techniques for clearance air sampling cannot be performed.
56-11.5(b)(1)	Building/Structure is Condemned	Three Story Portion of School is not condemned, but is slated for demolition. All friable ACM that is accessible by means of destructive demolition (except where demolition may cause structural integrity concerns) shall be removed. All non-friable ACM and friable ACM that is in structurally inaccessible areas shall be left in-place and disposed of with the remaining building debris per 12 NYCRR 12-11.5.

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Work Procedures:

Demolition with Non-Friable and Partial Friable ACM In Place

The demolition and cleanup of the three-story section of the school building shall be performed following 12 NYCRR 56-11.5, and additional requirements as listed below:

1. A remote decontamination unit shall be utilized for the project and shall exit into the barrier taped work area.
2. The work area shall be established by installing orange snow fence, or equivalent fencing, with asbestos warning barrier tape and signs affixed to the fence at a perimeter of 25 feet around the affected area. If 25 feet is not practical due to roadways, property lines or other site limitations, the barrier shall be placed at the furthest distance that is practical and an additional air sample shall be placed at the reduced barrier.
3. A full-time certified Project Monitor shall be on-site during all abatement activities.

4. Cleanup and removal of the building demolition debris pile shall be performed following procedures stated in 12 NYCRR 56-11.5.
5. Workers shall continuously wet debris and use heavy machinery to remove debris from the work area and place into dumpsters or dump trailers. Asbestos waste containers may be open top and lined with two layers of 6-mil fire retardant polyethylene sheeting if required by the landfill facility. If lining of the waste containers is not required, the waste containers shall be sealed to prevent any leakage of liquid or debris. Containers with waste being stored overnight shall have a sealed hard top utilizing 3/8-inch plywood and 6 mil polyethylene sheeting secured to the waste container.
6. The foundation walls shall remain and be cleaned by wet methods and HEPA vacuuming. A visual inspection by the Abatement Contractor Supervisor and the certified Project Monitor shall be performed.
7. For the section of the structure with a concrete slab-on-grade and potential buried pipe systems with ACM, the concrete slab shall be removed and all encountered suspect pipe TSI or suspect ACM pipe shall be wetted and removed.
8. After all bulk debris has been removed, the ground surface within the work area limits shall be visually inspected by the Abatement Contractor Supervisor and certified Project Monitor. All visible building debris within the work area shall be removed from the ground surface, including affected soil if required to remove building debris that has penetrated the ground surface.
9. Any pooling water shall be pumped through a multi-stage filter system to 5 microns and discharged in accordance with applicable codes.
10. Daily large project air samples, per 12 NYCRR 56-4, shall be collected during abatement activities (with a minimum volume of 1,200 liters). An additional 2 air samples shall be collected within the work area, 2 air samples shall be collected upwind from the work area barrier tape limit, and 3 air samples shall be collected downwind from the work area barrier tape limit.
11. One final clean shall be performed, and after the 6-hour waiting/settling period is complete, a Project Monitor shall perform a visual clearance inspection of the work area per 12 NYCRR 56-9.1.
12. The most recent set of daily air samples shall act as the final clearance samples, and if sample results are determined to be satisfactory, the work area shall be deconstructed.

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March 12, 2026

ATL Project No. ET5402AV-01-03-26

Asbestos Work Area Documentation

Location: Theodore Roosevelt Elementary School – Demolition of Three-Story Section of Building (Interior Abatement)

Work Area: Interior – Three-Story Building Section

Pertinent Site/Work Area Information:

The abatement consists of removal of various friable asbestos-containing materials (ACM) from the interior portion of the three-story section of the Theodore Roosevelt Elementary School located in Binghamton, Broome County, New York. We request that abatement of the friable asbestos-containing materials (ACM) be performed in accordance with 12 NYCRR 56-11.4. A copy of the asbestos abatement design drawings depicting the identified friable ACM will be uploaded as part of this variance submission.

The primary friable ACM to be abated prior to demolition is spray-applied fireproofing located throughout the three-story section of the school. Available information from past work and assessments at the school facility indicate the spray-applied fireproofing has settled in wall cavities, concrete masonry unit open cells, and concrete floor slab metal trays. Demolition and abatement work will be performed to remove the spray-applied fireproofing until it becomes a structural concern. A letter and drawing from the project structural engineer (depicting which walls and structural members need to be left in-place during the interior abatement project) will be uploaded as part of this variance submission. The work area will be cleared with a final visual inspection per 12 NYCRR 56-9.1, and aggressive final air samples per 12 NYCRR 56-9.2. Work area clearance will be provided subsequent to removal of the identified friable ACM and inaccessible spray-applied fireproofing that will be removed during demolition of the three-story structure as an asbestos in-place demolition project.

The following abatement activities will be performed for removal of friable ACM within the building section scheduled for demolition.

- Follow NYCRR 56-11.4-Pre-Demolition Asbestos Abatement Projects, with additional stipulations listed in the Work Procedures section below.

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Requested Reliefs and Associated Hardships:

Code Rule 56 Section	Title	Hardship
56-4.7(c)(3)	Samplers Outside of the Regulated Abatement Work Area	Elevated negative air exhaust locations without safe access to collect at end of exhaust.
56-7.11(b)	Regulated Abatement Work Area Enclosure – Isolation Barrier	Attaching to asbestos-containing spray applied fireproofing ceiling components.
56-8.2(b)	Waiting Periods	Reduced waiting period from 4 hours to 2, as the only abatement being performed in demolition portion of the school.
56-8.4	Handling and Removal Procedures	Project will require use of heavy machinery (e.g., boom or scissor manlifts, HEPA exhaust attached power hand tools, cutting torches) to perform removal of the non-structural walls, as needed to facilitate abatement of spray-on fireproofing (following safe work procedures to be implemented by the abatement contractor).
56-11.4	Pre-Demolition Asbestos Abatement Projects	Non-friable ACM and structurally inaccessible friable spray-applied fireproofing will remain in-place and be removed as a demolition with ACM remaining in-place (as described in additional work area write-up of this variance petition request).

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Work Procedures:

Interior Abatement of ACM from Three-Story Section of School Building Scheduled for Demolition

The abatement of the friable ACM shall be performed following 12 NYCRR 56-11.4, with the following additional requirements:

1. An attached large personal and waste decontamination unit shall be established per 12 NYCRR 56-7.5.
2. After construction of the personal decontamination unit is complete, workers shall don proper personal protective equipment to perform the remainder of the work area preparation.
3. Removal of salvageable non-porous items then may be performed per 12 NYCRR-56-11.4 (b)(1).
4. The work area shall be established by installing critical barriers, per 12 NYCRR 56-7.11(a), on all openings within the work area. Critical barrier locations shall be wet wiped and HEPA vacuumed prior to installation.

5. Walls and floor surfaces not impacted by removal of the spray-applied fireproofing will require one layer polyethylene sheeting per 12 NYCRR 56-11.4 (b)(2). The ceiling space above the suspended ceiling system shall not have two layers of polyethylene sheeting since the spray-applied fireproofing is being removed from the ceiling area.
6. Isolation barriers, constructed per 12 NYCRR 56-7.11(b), shall be utilized to contain the three-story abatement work area separate from the portion of the school building that is to remain. Critical barriers and two layers of polyethylene sheeting shall also be placed on isolation barriers.
7. Some isolation barriers may need to be constructed with attachment to structural components currently covered with the asbestos-containing spray-applied fireproofing. For areas where isolation barriers and critical barriers need to be attached and sealed to components with the fireproofing ACM, it is requested that the barrier be allowed to be secured to the building component utilizing a soft friction seal with thick weather stripping or foam to serve as a buffer between the barrier and the fireproofing. This method would only be utilized where the barrier could not be fastened to an existing building component to establish the work area.
8. The procedures outlined in 12 NYCRR 56-7.7(a) (Electric Power) shall be followed for all wiring that is not contained in conduit and where ends of conduits are connected.
9. Negative air shall be established at 8 air changes per hour.
10. A 2-hour waiting period shall be observed prior to commencement of abatement.
11. A full-time certified Project Monitor shall be on-site during all abatement activities.
12. Non-porous surfaces shall be cleaned by wet wiping and HEPA vacuuming.
13. Porous stored materials, suspended ceiling tiles and debris shall be wetted, bagged and/or wrapped, and discarded as Regulated Asbestos-Containing Material (RACM).
14. Additional critical barriers shall be installed above the suspended ceiling system as access is created. No abatement of spray-applied fireproofing shall be performed until the entire suspended ceiling is removed and all critical barriers are installed.
15. After the suspended ceiling system is completely removed and all critical barriers are in pace, the spray-applied fireproofing shall be removed using wet methods, along with utilization of a drop cloth below removal areas.
16. Wet method destructive demolition of walls, hard pan ceilings, or any other building component that is not considered structural (per the attached structural drawing) shall be performed to gain access to inaccessible fireproofing or fireproofing debris. All waste generated by the destructive demolition shall be bagged and discarded as RACM.
17. Mechanical tools that are HEPA equipped with a Manufacturer shroud or HEPA vacuum attachment may be utilized for the project.
18. Boom or scissor Lifts may be utilized for the project and shall have two layers of 6-mil fire retardant polyethylene sheeting placed on all areas of the lift that cannot be wet wiped clean. Areas of the lift needing to remain without being covered with polyethylene sheeting include worker safety features associated with safe access and usage of the lifts.
19. Two cleans (per 12 NYCRR 56-11.4 (d)) shall be performed, and after 12-hour waiting/settling periods are complete, a Project Monitor shall perform a visual clearance inspection of the work area per 12 NYCRR 56-9.1. The visual clearance will be for the friable ACM that can be removed from accessible areas and demolition of non-structural building components. Non-friable ACM and friable ACM that cannot be accessed without demolition of a structural member of the building shall remain and will be addressed during the asbestos in-place demolition portion of the project detailed in an additional work area write-up of this variance submission.
20. Final aggressive TEM air sampling techniques shall be performed per 12 NYCRR 56-9.2 and AHERA regulations.

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21. If the final air sample results are determined to be satisfactory, the work area can be deconstructed.

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March 12, 2026

ATL Project No. ET5402AV-01-03-26

Asbestos Work Area Documentation

Location: Theodore Roosevelt Elementary School

Work Area: Multiple Work areas within Renovation Building Section

Pertinent Site/Work Area Information:

The abatement consists of removal and cleanup of friable spray-applied fireproofing and pipe thermal system insulation (TSI) asbestos-containing materials (ACM) from the interior portion of a building section to be renovated for the Theodore Roosevelt Elementary School located in Binghamton, Broome County, New York. We request that abatement of the friable ACM be performed in accordance with 12 NYCRR 56-11.2. A copy of the asbestos abatement design drawings depicting the identified friable ACM will be uploaded as part of this variance submission.

The following abatement activities will be required for cleanup and abatement of asbestos-containing pipe TSI and/or spray-applied fireproofing debris, remaining intact pipe TSI and spray-applied fireproofing from various locations within school building, and placement of a cementitious low strength concrete layer over exposed soil floor within the crawlspace work area.

The following abatement activities will be performed for removal of friable ACM within the building section scheduled for demolition.

- Follow NYCRR 56-11.2-Emergency Projects, with additional stipulations listed in the Work Procedures section below.

Requested Reliefs and Associated Hardships:

Code Rule 56 Section	Title	Hardship
56-6.2	Number and Location of Background Air Samples	Due to this being a disturbance of ACM, background air sampling cannot be performed.
56-7.8(a)(11)	Exhaust Locations	Lack of openings within crawlspace work area for exhausting negative air machines outside the building.

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Code Rule 56 Section	Title	Hardship
56-7.11(e)	Floor, Wall & Ceiling Plasticizing and Sealing	Walls and ceilings are concrete and floor is soil with asbestos-containing TSI debris scattered throughout the floor– walls and ceiling surfaces will be wet wiped and HEPA vacuumed as part of the work area cleaning.
56-9.1(b)	First Cleaning, Lockdown Encapsulant and Top Layer Removal	This would not be required, as no polyethylene sheeting layers (besides critical barriers) will be used for the work area.
56-9.1(c)	Second Cleaning and Bottom Layer Removal	This would not be required, as no polyethylene sheeting layers (besides critical barriers) will be used for the work area.
56-11.2 (f)(1)	Corrective Actions for Incidental Disturbance of Asbestos Containing Materials	Incidental disturbance of pipe TSI, spray-applied fireproofing debris is approximately 4,900 square feet, which is considered a large project per 12 NYCRR 56-2.1(w)(2)(i). Additionally, incidental disturbances (due to pipe TSI and spray-applied fireproofing in poor condition) may be encountered within existing sealed pipe chases and above ceiling systems that could also be greater than a minor project.

Work Procedures:

Incidental Disturbance Area – Crawlspace

The cleanup of the incidental disturbances shall be performed following 12 NYCRR 56-11.2, with the following additional requirements:

1. A large attached personal decontamination unit and waste decontamination unit shall be utilized.
2. Entry to the crawlspace areas shall be performed following OSHA confined space criteria and facility-specific protocol.
3. A full-time certified Project Monitor shall be on-site during all Phase 2A through 2D activities.
4. After construction of the personal decontamination unit is complete, workers shall don proper personal protective equipment to perform the remainder of the work area preparation.
5. The procedures outlined in 12 NYCRR 56-7.7(a) (Electric Power) shall be followed for all wiring that is not contained in conduit and where ends of conduits are connected.
6. Negative air shall be established at a rate of 8 air changes per hour.
7. There is limited access to the exterior of the subject building, and as such, the negative air exhaust may be discharged to an unoccupied area of the building. For implementation of this option for negative air exhaust, the negative air machines shall not

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be banked, barrier tape shall distinguish the discharge area, and air samples shall be required at the end of each active negative air exhaust.

8. Pre-cleaning shall be limited to locations in the crawlspace area where critical barriers and isolation barriers are to be installed.
9. Due to all of the area within crawlspace areas of concern being considered contaminated, all non-soil surfaces shall be wet wiped and HEPA vacuumed prior to final visual inspection.
10. All porous materials, including existing fiberglass TSI, shall be removed and disposed of as ACM.
11. The procedures outlined in 12 NYCRR 56-9.1(e), Exemption from Multiple Cleaning and Sheeting Removal, shall be used.
12. Since the work area includes a soil floor, visible surface debris shall be removed. A satisfactory Project Monitor visual clearance shall be required to verify cleanup of the visible debris from the soil floor is completed, prior to performing other abatement work described herein.
13. The remaining intact TSI shall be removed by placing and maintaining 6-mil fire retardant polyethylene sheeting drop cloths below the pipes, and utilizing glovebag abatement procedures.
14. Any spray-applied fireproofing locations that are inaccessible (based on determination by the Abatement Contractor Supervisor and on-site Project Monitor that the area in question cannot be accessed for cleaning) shall have an enclosure placed over the opening to the inaccessible space. The enclosure materials for openings with width less than 2 inches may use a fire rated sealant that is approved by the Owner's representative. These locations shall be labeled with asbestos warning labels and locations documented by the on-site Project Monitor for use by the Owner to update the school's asbestos management plan.
15. A cementitious product shall be installed over the soil floor surfaces to serve as an enclosure for limiting potential future exposure to personnel accessing the crawlspace area. This material shall be installed by the abatement contractor while the work area remains under containment. A low strength self-leveling concrete or flowable fill mix shall be utilized and placed with a minimum thickness of 3 inches. The actual product selected for use will be subject to review and approval by the owner or owner's designated representative.
16. One final clean shall be performed, and after a 6-hour waiting/settling period has elapsed, a Project Monitor shall perform a visual clearance inspection of the work area per 12 NYCRR 56-9.1.
17. Final aggressive TEM air sampling techniques shall be performed per 12 NYCRR 56-9.2 and AHERA regulations. Deconstruction of the work area can commence, provided the air samples satisfy approved clearance criteria per 12 NYCRR 56-9.2.

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Ceiling Interstitial Spaces

The abatement for asbestos-containing pipe TSI and/or spray-applied fireproofing shall be performed following 12 NYCRR 56 and additional requirements as listed below:

1. An attached large or small personal and waste decontamination unit shall be established per 12 NYCRR 56-7.5, depending on the size of the work area.
2. After construction of the personal decontamination unit is complete, workers shall don proper personal protective equipment to perform the remainder of the work area preparation.
3. If any non-friable ACM exists in the work area and are scheduled to be removed, then sequential abatement (per 12 NYCRR 56-8.6) may be utilized for work area preparation, removal, and final cleanings. If the removal includes only one type of ACM, then the work area shall be established as per 12 NYCRR 56-7.11.
4. The procedures outlined in 12 NYCRR 56-7.7(a) (Electric Power) shall be followed for all wiring that is not contained in conduit and where ends of conduits are connected.
5. Negative air shall be established at 8 air changes per hour.
6. A 2-hour waiting period shall be observed prior to commencement of abatement.
7. A full-time certified Project Monitor shall be on-site during all abatement activities.
8. After all the work area is completely sealed including the perimeter ceiling space, the remaining ceiling system shall be removed utilizing wet methods. Additional critical barriers shall be installed above the ceiling system as access is created. No abatement of spray-applied fireproofing and/or pipe TSI shall be performed until the entire ceiling is removed and all critical barriers are in-place.
9. After the ceiling system is completely removed and all critical barriers are in-pace, the spray-applied fireproofing and/or pipe TSI shall be removed using wet methods, along with utilization of a drop cloth below the removal areas.
10. Non-porous surfaces shall be cleaned by wet wiping and HEPA vacuuming.
11. Porous materials, suspended ceiling tiles and debris, and fiberglass pipe or HVAC TSI shall be wetted, bagged and/or wrapped, and discarded as ACM.
12. Any spray-applied fireproofing locations that are inaccessible (based on determination by the Abatement Contractor Supervisor and on-site Project Monitor that the area in question cannot be accessed for cleaning) shall have an enclosure placed over the opening to the inaccessible space. The enclosure materials for openings with width less than 2 inches may use a fire rated sealant that is approved by the Owner's representative. These locations shall be labeled with asbestos warning labels and locations documented by the on-site Project Monitor for use by the Owner to update the school's asbestos management plan.
13. Three cleans (per 12 NYCRR 56-9.1) shall be performed for non-sequential abatement work per criteria in 12 NYCRR 56-8.6. After 6-hour waiting/settling periods are complete, a Project Monitor shall perform a visual clearance inspection of the work area per 12 NYCRR 56-9.1. Sequential abatement work areas shall observe one 6-hour waiting/settling period prior to the Project Monitor performing a visual inspection of the work area per 12 NYCRR 56-9.1.
14. Final aggressive TEM air sampling techniques shall be performed per 12 NYCRR 56-9.2 and AHERA regulations.
15. If the final air sample results are determined to be satisfactory, the work area can be deconstructed.

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Pipe Chases

The abatement for asbestos-containing pipe TSI and spray-applied fireproofing shall be performed following 12 NYCRR 56 and additional requirements as listed below:

1. A remote personal decontamination unit shall be utilized for the small project size negative pressure tented work areas.
2. A full-time Certified Project Monitor shall be on-site during all Phase 2A through 2D activities.
3. The work areas shall be established by installing two-layer negative pressure tents per 12 NYCRR56-7.11(f)(1).
4. The procedures outlined in 12 NYCRR 56-7.7(a) (Electric Power) shall be followed for all wiring that is not contained in conduit and where ends of conduits are connected.
5. Negative air shall be established at a rate of 8 air changes per hour.
6. Due to the potential poor condition of pipe TSI and/or spray applied fireproofing within the pipe chases, the chases are considered contaminated and shall be wet wiped and HEPA vacuumed prior to final visual inspection.
7. After the negative pressure tent is constructed and negative air is established, a 4-hour waiting period shall be observed to check the integrity of the negative pressure tent.
8. After the waiting period, the abatement contractor shall open the pipe chase utilizing wet methods. If there is no suspect pipe TSI or spray-applied fireproofing, the Abatement Contractor Supervisor and on-site Project Monitor will perform a final visual inspection to document no suspect ACM exists in the work area and the tent can be deconstructed.
9. If there is suspect ACM in the work area, all porous materials, including existing fiberglass TSI, shall be removed and disposed of as ACM. Pipe TSI and/or spray-applied fireproofing shall be removed utilizing gross removal wet methods.
10. Any spray-applied fireproofing locations that are inaccessible (based on determination by the Abatement Contractor Supervisor and on-site Project Monitor that the area in question cannot be accessed for cleaning) shall have an enclosure placed over the opening to the inaccessible space. The enclosure materials for openings with width less than 2 inches may use a fire rated sealant that is approved by the Owner's representative. These locations shall be labeled with asbestos warning labels and locations documented by the on-site Project Monitor for use by the Owner to update the school's asbestos management plan.
11. The procedures outlined in 56-9.1(e), Exemption from Multiple Cleaning and Sheeting Removal, shall be used, since work will be performed in two-layer negative pressure tents.
12. One final clean shall be performed, and after a 6-hour waiting/settling period has elapsed, a Project Monitor shall perform a visual clearance inspection of the work area per 12 NYCRR 56-9.1.
13. Final aggressive air sampling techniques shall be performed per 12 NYCRR 56-9.2 and AHERA protocols. Deconstruction of the work area can commence, provided the air samples satisfy approved clearance criteria per 12 NYCRR 56-9.2 and AHERA regulations.

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