HIGHLAND
ASSOCIATES
Architecture Engineering Interior Design
102 Highland Avenue
Clarks Summit, Pennsylvania 18411

HULBERT Engineering
and Land Surveying, DPC
33 Lewis Road
Binghamton, NY 13905

Weston & Sampson
design studio
55 Walkers Brook Drive, Suite 100
Reading, MA 01867

JOHNSON CITY CENTRAL SCHOOL DISTRICT

Johnson City, New York

REBID

CAPITAL PROJECT 2025 2026 PHASE 2

HIGH SCHOOL..... SED # 03-15-02-06-0-011-027
K-8 ELEMENTARY MIDDLE..... SED # 03-15-02-06-0-020-017
BUS GARAGE..... SED # 03-15-02-06-5-010-011
BUS STORAGE SOUTH..... SED # 03-15-02-06-4-014-006
BUS STORAGE NORTH..... SED # 03-15-02-06-4-015-006

HA PN: 2024-239P

VOLUME 5 ABATEMENT SPECIFICATION

"The design of this project conforms to all applicable provisions of the New York State Uniform Fire Prevention and Building Code, the New York State Energy Conservation Code, and the building standards of the New York State Education Department."

February 6, 2026

JOHNSON CITY CSD ARP

SED #03-15-02-06-0-011-027

SPECIFICATION SECTIONS

SECTION 01 34 00	SUBMITTAL PROCEDURES
SECTION 02 82 00	ENVIRONMENTAL REMEDIATION & INCIDENTAL DEMOLITION (ASBESTOS)
SECTION 02 82 10	SUBMISSION REVIEW CHART (ASBESTOS)

APPENDICES

APPENDIX A: **Johnson City High School**

1. LIMITED ASBESTOS SAMPLING/TESTING REPORT
2. AHERA 2022 THREE YEAR REINSPECTION HIGH SCHOOL

SUBMITTAL PROCEDURES

SECTION 01 34 00

SECTION 01 34 00

SUBMITTAL PROCEDURES

PART I GENERAL

1.1 SUBMITTALS AND NOTICES

A. Submit the documents described by District Design Professional through NEWFORMA for approval.

B. SUBMITTALS PRIOR TO START OF WORK (TO BE SUBMITTED MINIMUM SEVEN (7) WORK DAYS PRIOR TO START OF WORK).

"SUBMISSION REVIEW CHARTS" ARE FOR USE BY ENVIRONMENTAL REMEDIATION CONTRACTOR (ERC) TO FACILITATE SUBMISSION PACKAGE. THESE CHARTS ARE A TOOL FOR EASE OF SUBMISSION, BUT ERC SHALL REVIEW THE APPLICABLE SECTION AND PARAGRAPH FOR SPECIFICS.

Work shall not commence until the required documents have been submitted, reviewed and accepted for record by the Engineer. Copies shall be valid, appropriate, and legible.

1.2 WORK INCLUDED ELSEWHERE (SEE SECTION FOR SUBMITTAL REQUIREMENTS)

A.	Division 00	Procurement and Contracting Requirements
B.	Section 02 82 00	Environmental Remediation & Incidental Demolition (Asbestos)
C.	Section 02 82 10	Submission Review Chart (Asbestos)

END OF SECTION

SECTION 02 82 00

ENVIRONMENTAL REMEDIATION & INCIDENTAL DEMOLITION (ASBESTOS)

PART 1 - GENERAL

1.1 DESCRIPTION

A. Provide all labor, materials, and equipment to conduct Environmental Remediation & Incidental Demolition (primarily Asbestos Abatement) associated with Capital Project 2025 2026 Phase 2 owned by the Johnson City Central School District (JCCSD).

B. Suspect environmental (Asbestos) were sampled/tested in materials scheduled for disturbance as part of this Project. Lead was found to be present in the wood varnish of interior wood door frames. Any painted surface/component must be assumed to contain LBP, unless tested to be negative for LBP.

C. Sampling/testing Reports are listed herein below in this Specification Section 02 82 00.

D. Provide additional protection and services as specified herein.

E. The Engineer has determined the presence and locations of ACM'S via:
- Reviews of numerous past JCCSD projects;
- Past and present environmental sampling/testing;
- Reviews and consultations with design professionals;
- Our general knowledge of this Building.

F. Though extensive efforts were conducted, this Building was originally constructed in early 1970's and have experienced numerous documented and undocumented renovations, alterations and additions. Therefore, it is not unreasonable there remains a slight potential of findings of additional environmental contaminants during environmental remediation and subsequent alterations, renovations and additions in concealed spaces. Should suspect materials be found by Contractor, Contractor shall immediately STOP WORK, consult with Environmental Consultant, Architect and Engineer for further direction. All parties shall negotiate added or decreased costs in field condition findings, if/as applicable.

1.2 WORK INCLUDED ELSEWHERE

A. Division 00 – Procurements and Contracting Requirements

B. Division 00 – Bid Forms

C. Division 01 – General Requirements

D. Section 01 34 00 – Submittal Procedures

E. Section 02 82 10 – Submission Review Chart (Asbestos)

F. APPENDICES
APPENDIX A: **JOHNSON CITY HIGH SCHOOL**
1) LIMITED ASBESTOS SAMPLING/TESTING REPORT

2) AHERA 2022 THREE YEAR REINSPECTION HIGH SCHOOL

1.3 PRIMARY INTENT AND PURPOSE OF THIS ENVIRONMENTAL REMEDIATION PROJECT is to conduct:

A. The primary Intent and Purpose of the "Environmental Remediation" is to abate any Asbestos-Containing Materials that may be disturbed in the course of renovations, alterations, and demolitions at Johnson City High School.

B. ACM's for abatement are noted on the Legend, which is included with the Contract Drawings.

C. Project Specifics are delineated in "Legend" and in "General Notes".

1.4 REFERENCES

A. References in Environmental Remediation Specifications and Contract Drawings to:

- "Owner" indicates Johnson City Central School District (JCCSD);
- "Architect" indicates the firm of Highland Associates;
- "NYS Licensed Engineer" and "NYS Asbestos Project Designer" indicates Hulbert Engineering and Land Surveying, DPC;
- "Engineer" indicates the firm of Hulbert Engineering and Land Surveying, DPC;
- "Environmental Consultant" and "NYSDOL Certified Asbestos Contractor" indicates the firm of Hulbert Engineering and Land Surveying, DPC;
- "Environmental Site Representative (ESR)" or full-time, on-site "Asbestos Project and Air Monitor" indicate technical personnel of the firm to be determined.
- "General Contractor", "Contractor" or "Asbestos Contractor" indicates Environmental Remediation Contractor (ERC) for the project, its subcontractor's, vendors and suppliers;
- "ICR 56" indicates the New York State Department of Labor (NYSDOL) Industrial Code Rule 56, as Amended, effective March 21, 2007 and granted NYSDOL Site Specific Variances, Applicable Variances and their Amendments.

1.5 SPECIAL PROVISIONS

A. **SPECIAL NOTE # 1**: Scheduling or Phasing of the Project Schedule shall be in accordance with Specifications and Contract Drawings prepared by Architect/ Engineer.

B. **SPECIAL NOTE # 2**: Environmental Remediation Contractor shall be applicably certified in:
- Asbestos;
- Lead (Firm, Supervisor and Workers certified by EPA/HUD to conduct lead removal in School). LEAD NOTE: EPA Renovations, Repair and Painting (RRP) Lead Certifications are not qualified nor acceptable for this Work;
- Polychlorinated Biphenyl's – OSHA 40 Hour Hazardous Waste.

C. Work Area, and space min. 25'- 0" from active Work Area (to be cordoned-off and posted by ERC), shall be vacant and is intended to be occupied only by the ERC.

D. ERC shall ensure the NYSDOL Asbestos Certified Supervisor assigned to subject Project and/or every Work Area at any and all times the Environmental Site Representative (ESR) is on-Site including, but not limited to, mobilization and demobilization, waiting periods, air monitoring, or for any other legitimate reason.

E. If Owner or Owner's Representatives take no exception to Overtime Work, then ERC is required to prepare and submit to Owner and Owner's Representatives, for review and approval by Owner, a "Request for Dispensation to Work Overtime" required by NYSDOL.

F. All Work shall be coordinated with the Owner and Environmental Site Representative (ESR).

G. Permitting Agency for this Project: New York State Education Department.

H. ERC shall comply with applicable section of the "2020 Fire Code of New York State", authored by the New York State Department of State Division of Code Enforcement and Administration. Emphasis of compliance is especially relevant regarding marking and means of emergency exiting, and fire extinguishers specific for the Project and use of Fire-Retardant Treated (FRT) products.

I. Electrical, Communication, Plumbing and Mechanical Components

ERC shall take special and extra precautions to:

1. Prior to Start of Work, be responsible for ensuring all power is de-energized in all OSHA lock-outs/tag-outs and providing of sufficient capacity for ERC Work;
2. Retain services of an electrician, communication, plumbing and mechanical, as/if applicable, certified in the Village of Johnson City. If any trade required to Work in designated, active Work Areas, tradesman shall be applicably NYSDOL Asbestos Certified, with min. of "Operations & Maintenance" certification.

Note: NYSDOL Certified "Allied Trades" are permitted to enter active Work Areas and perform activities consistent with that certification.

J. Work includes removals, disposals and disconnection of electrical, mechanical, plumbing and communication components, in accordance with applicable regulations.

K. Construction schedule shall be rigidly enforced. ERC shall provide necessary manpower, including multiple Workers and Work shifts to comply with Construction Schedule.

L. The ERC shall Verify-In-Field (V.I.F.) and be solely responsible for confirmations of all ACM locations, dimensions, quantities and conditions, etc., for Work indicated on Contract Drawings for preparation of Bid price. The ERC's Bid shall represent complete abatement of all ACM's scheduled for removal and disposal, in their entirety, unless otherwise noted.

M. Original waste manifests, bills of lading and receipts, as applicable, shall be submitted to ESR. Additionally, these same documents shall be submitted electronically, in accordance with Specification Section 01 34 00 "Submittal Procedures - Asbestos".

N. The quantities of ACM's and materials associated with abatements, i.e. ceilings, walls, subfloors, etc., are provided for information only, and in no way shall ERC be able to use as basis for any increase in Contract Price.

O. The estimated quantities of all asbestos and asbestos-contaminated materials, for this specific Project, are included on Environmental Reports. Quantities are estimates only, provided by the Engineer in order to indicate the approximate scale and extent of the Work. The full Asbestos Reports, included in the Appendices of this Specification Section 02 82 00, are included for ERC for review.

P. No asbestos or asbestos-contaminated materials/components shall be permitted to be recycled, reused or reclaimed. All waste manifests shall be submitted, as proof of proper disposal, to the Architect, Engineer.

Q. RECYCLING, REUSE, REPURPOSE OR RECLAMATION REQUIRED: All furnishings, equipment and supplies that are deemed Non-Hazardous or Non-Universal Building materials/components that can be cleaned/decontaminated and recycled, reused and reclaimed SHALL BE recycled, reused, reclaimed and NOT DISPOSED as Hazardous, Universal or Construction & Demolition (C&D) waste. Consult with Owner and ESR prior to Start of Work to determine if they require any cleanable, non-porous furnishings, equipment or supplies to be turned over to Owners. For materials turned over to Owner, provide inventory listing and submit to Architect, Engineer. Applicable waste manifests shall be submitted, as proof of recycling, reuse or reclamation, to the Architect, Engineer.

R. Provide security as required to protect facilities and Work Areas.

S. Carefully and deliberately plan the Work to avoid environmental and construction risks to Workers.

T. NYSDOL Industrial Code Rule 56 requires one (1) copy of the Asbestos Survey for the Building to be present and available, along with the NYSDOL and EPA, Building Occupant Asbestos notifications throughout the duration of the Asbestos Abatement Construction Work.

U. The ERC must inform all trades of their Work, in writing.

V. No ACM's or PCB's, or any other hazardous or universal material shall be buried or hidden at Site, but shall be disposed at applicably permitted landfill with leachate collection system, if/as applicable for the material disposed.

W. The Contract Drawings identify the Buildings' physical layout and Contract Limit Lines for the extent of Environmental Remediation Work.

X. No Asbestos Abatement shall be commenced prior to compliance with the notification requirements of Part 56 of Title 12 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (cited as 12 NYCRR 56, but hereinafter referred to as "Code Rule 56") as amended, effective March 21, 2007.

1.6 SEQUENCING AND SCHEDULING

A. Refer to Bid Form for Project parameters.

B. ERC shall establish a Plan of Work Areas and of Sequencing and Scheduling, as part of "Means and Methods" of Remediation and shall submit these items Prior to Start of Work for Environmental Consultant review.

C. If ERC chooses to utilize Additional Work Areas, multiple work shifts, unscheduled overtime, weekends or holidays, then the ERC will be required to pay for all associated costs to the Owner and Owner's Representatives. Requests shall be in writing to the Architect/Engineer, Owner, and Clerk of the Works and shall not commence until written approval, along with applicable increase or decrease in Contract Price is granted by Architect, Engineer and Owner, in writing. Costs shall be deducted from final Contract Sum. ERC request shall include all specifics for the request min. five (5) days prior to Work, when/if feasible, such as number, rationale, location or relocation of Work Areas, etc. or other specifics.

1.7 DESIGN CRITERIA

A. Refer to paragraph 1.2.G. for "Appendices" herein above for listing of Environmental Reports applicable to this Project.

B. Designs based upon Construction Contract Drawings, their updates and revisions, prepared by Highland Associates, meetings, consultations, electronic mailings, various directives and telephone consultations during the design process.

1.8 REGULATIONS

A. Comply with applicable federal, state, and local regulations including, but not limited to, the following:
   1. FEDERAL
      a. United States Environmental Protection Agency (EPA); National Emission Standards for Hazardous Air Pollutants (NESHAP); 40 CFR Part 61.
      b. EPA Lead Renovations, Repair & Painting (RRP).
      c. United States Department of Labor, Occupational Safety and Health Administration (OSHA); Title 29 CFR Parts 1910 and 1926, and as modified in May 2012 Hazardous Communication 29 CFR 1910.1200.
      d. National Institute for Occupational Safety and Health (NIOSH).
      e. US Department of Labor OSHA Asbestos Regulations for Construction Industry Title 29, Part 1926.1101, of the Code of Federal Regulations.
      f. US Department of Transportation Hazardous Materials Regulations (HMR), Title 49 CFR, Parts 171-180, revised 01 October 1992.
      g. United States Environmental Protection Agency (EPA); Hazardous Waste & Universal Waste Generator Standards; 40 CFR Part 262 & 273.
      h. 29 CFR 1910.1001 Occupational Exposure to Asbestos (OSHA General Industry Standard).
      i. US Department of Labor OSHA Regulations for the Construction Industry Title 29 Code of Federal Regulations, Subpart M, 1926.500(a), 1926.501, 1926.502, and 1926.503, Fall Protection.
      j. OSHA 29 CFR 1910.132 to 1910.138, Subpart I, “Personal Protective Equipment”.
      k. OSHA 29 CFR 1910.1200 “Hazard Communication”.
      l. OSHA 29 CFR 1910.147 “Control of Hazardous Energy”.
      m. OSHA 29 CFR 1926, Subpart M – “Fall Protection”.
      n. OSHA 29 CFR 1926.28, Subpart C – “General Safety and Health Provisions”.
      o. US OSHA 1926, 146; Final rule for Confined Space, effective August 3, 2015.
      p. OSHA 29 CFR 1926, Subpart Z, 1926.1153 “Respirable Crystalline Silica”, effective June 23, 2016.
      q. OSHA 29 CFR 1910.252 “Welding, Cutting and Brazing”.
   2. STATE
      a. New York State Education Department (NYSED), applicable rules and regulations for NYS School-Owned and Leased Buildings;
      b. Part 56 of Title 12 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (cited as 12 NYCRR 56, but hereinafter referred to as “Code Rule 56”) adopted January 11, 2006 and effective March 21, 2007, including “Guidance Document Redline Version 2.0, dated 01/30/09.
      c. New York State Department of Environmental Conservation (NYSDEC); Solid Waste Management Facilities; 6 NYCRR Part 360.
      d. NYSDEC; Waste Transporter Permits; 6 NYCRR Part 364.
      e. Asbestos Safety Program Requirements; NYCRR Chapter II, Title 10, Part 73.

f. Part 155.5: Uniform Safety Standards for School Construction and Maintenance of the Official Compilation of Codes, Rules, and Regulations of the State of New York, Title 8. Education Department, dated 02/15/10.
g. NYDOL Article 32, Title 2, "Minimum Work Standards for the Conduct of Mold Assessments and Remediation".
h. NYS, 2017, Uniform Code Supplement to the NYS Fire Code, regarding “Hot Work”, Chapter 35 “Welding & Other Hot Work”, Section 3501.

3. LOCAL
   a. Broome County, New York;
   b. Johnson City, New York.

B. Applicable rules and regulations, and their interpretations of agencies listed above and of Occupational Safety & Health Association (OSHA), National Institute for the Sciences and Technology (NIST), National Voluntary Laboratory Accreditation Program (NVLAP), American Industrial Hygiene Association (AIHA), New York State Department of Health (NYSDOH), New York State Department of Labor (NYSDOL), New York State Education Department (NYSED) New York State Department of Transportation (NYSDOT), New York State Department of Environmental Conservation (NYSDEC), National Emission Standards for Hazardous Air Pollutants (NESHAPS), current as of date of these Specifications and Contract Drawings.

C. INTERPRETATION OF ERC SPECIFICATION SECTIONS AND CONTRACT DRAWINGS: If any requirement of these ERC Specifications or Contract Drawings conflict with or contradict any law, rule, regulation, interpretation or guideline, immediately notify the Architect/Engineer of such conflict or contradiction. In such cases, the interpretation of the law, rule, regulation, interpretation or guideline shall have the full force and application as determined by the Architect/Engineer.

D. Post all applicable licenses, regulations or other required documents in a conspicuous place at the Site, or in a place and manner dictated by applicable rule or regulation. Assure that copies of the regulations are not altered, defaced or covered by other materials.

1.9 QUALIFICATIONS, QUALITY ASSURANCE, LICENSING AND CERTIFICATION REQUIREMENTS

A. The Environmental Remediation Contractor (ERC) firm shall be Subcontractor to the Prime General Contractor. ERC shall have a minimum of five (5) years in operation as a professional Asbestos Abatement Contractor and have successfully completed five (5) Projects of similar scope.

B. The Engineer reserves the right to make necessary investigations regarding qualifications of the asbestos removal Contractor.

C. Where methods or procedures are specified, they shall constitute minimum measures and shall in no way relieve the ERC of sole responsibility for the means, methods, techniques, sequences, or safety measures in connection with the Work.

D. At the request of the Engineer, the ERC shall disclose fines and related information (e.g., case no., number of citations, etc.) issued by the NYSDOL within the past three years.

E. Use adequate numbers of skilled Workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements, and the methods needed for proper performance of the Work of this Section.

F. The ERC firm shall comply with the following minimum requirements, if/as applicable, as determined by Engineer:

1. Possess valid NYDOL Asbestos License;
2. Acquire approval by Engineer for subcontractors, vendors or any service provider of any trade or interest which the Contractor shall retain for a cost associated with the Contractor's Price for this Project.

   Architect, Engineer, and/or Owner retain the right to refuse use of any subcontractor for any reason.

G. ERC Project Manager and each ERC Supervisor shall comply with the following, if/as applicable, as determined by Engineer:
   1. Minimum five (5) years' experience in similar type and size of Work required;
   2. Possess valid NYSDOL Asbestos Supervisor certification and training certifications;
   3. Be identified as the firm's "Competent Person", in compliance with OSHA regulations; OSHA Competent is required to be on-Site whenever Work is being performed. Specifically, ERC Project Manager and Supervisors shall be competent in identifying and remediating other Hazardous and Universal materials;
   4. Possess valid OSHA 10 Hour Construction Safety Course (effective July 18, 2008) training certification;
   5. Possess valid OSHA 40 Hour Hazardous Material Certification;
   6. Required to be on-Site whenever Work is being performed;
   7. Shall be assigned exclusively to this Project and this position shall not be "changed-out" or substituted with another person unless specifically approved by Engineer.

H. ERC Workers shall comply with the following, as applicable to type of Work performed, if/as applicable, as determined by Engineer:
   1. Possess valid NYSDOL Asbestos Worker certification and training certifications;
   2. Possess valid OSHA 10 Hour Construction Safety Course (effective July 18, 2008) training certification;
   3. Possess valid OSHA 40 Hour Hazardous Material Certification;
   4. Shall be assigned exclusively to this Project and this position shall not be "changed-out" or substituted with another person unless specifically approved by Environmental Site Representative.

I. Workers performing incidental services and Work inside active asbestos abatement Work Areas (i.e. electrical services, mechanical/plumbing services, sheet metal Work, etc., of disconnections or connections, cutting, capping, patching, alterations, etc.), and/or incidental demolition or emergency Work inside active asbestos Work Areas, shall be trained and experienced in respective trades, and shall hold valid NYSDOL "Asbestos Handler" or, at minimum, "Operations & Maintenance" asbestos certifications.

   Note: NYSDOL Certified "Allied Trades" are permitted to enter active Work Areas and perform activities consistent with that certification.

J. Use only Workers who underwent the required comprehensive medical examinations and whose health condition was determined as being satisfactory for performing applicable Asbestos Abatement Work while wearing applicable respiratory protection equipment (dual mask and/or PAPR, as applicable).

K. Use equipment adequate in type, size, capacity and quantity to accomplish the Work safely and timely.

L. WAIVER OF SPECIFICATION REQUIREMENT AND/OR SUBMISSIONS: Owner or Owners Representatives possess the ability to waive the specified requirement of any of the above requirements.

1.10 OSHA ASBETSOS PERSONAL AIR MONITORING/TESTING (BY ERC)

A. Non-compliance with number, type and methodology of required OSHA personal air monitoring/testing may result in deduction from final Contract Sum, as determined by Engineer and/or Owner's Representative.

B. Air monitoring/testing specified hereinafter is a minimum standard on this Project and shall continue throughout the entire asbestos abatement Project.

C. Services of an independent third party personal air monitoring/testing firm shall be retained directly by the ERC. ERC is responsible for all air monitoring/testing related to Worker protection (task monitoring, monitoring related to selection of respiratory protections. etc.), as required by governing regulations, and specifically by OSHA.

Note: An OSHA "Negative Exposure Assessment" shall not be permitted on Work of this Project. Associated costs of any air re-sampling and re-testing shall be borne by the ERC (such costs will be deducted from payment due to ERC).

D. Personal Air Monitoring/Testing firm shall be a firm submitted by ERC for Environmental Consultant's and Owner's Representative's review and approval, providing that the Engineer or Owner's Representative has not notified the successful Bidder within four (4) calendar days of said submission, on exception to the use of such air monitoring/testing firm. The ERC shall then retain such firm for the duration of the Project. No changes can be made without express consent of Engineer.

E. Personnel of the selected Air Monitoring firm must be independent of ERC and shall conduct personal air monitoring. Said personnel shall be thoroughly experienced and trained in the proper handling of asbestos-containing materials, in all aspects regarding health and environmental hazards related to asbestos and asbestos exposure, in respiratory protection, in required methodology of air sampling, and shall be knowledgeable in governing regulations.

F. The testing of air samples shall be performed by an accredited laboratory, approved, certified and listed by NYS Department of Health Environmental Laboratory Accreditation Program (ELAP).

G. Personal air monitoring and testing shall include: Personal monitoring on a daily basis to establish compliance with Permissible Exposure Limits (PELs) of airborne concentrations of asbestos (and carbon monoxide, if applicable), per OSHA regulation, and including:
   1. 8-hour time-weighted-average limit (TWA).
   2. Excursion Limit.

H. Testing Report & Turnaround Time. All testing Reports shall include:
   1. Completed Chain of Custody forms.
   2. Test results reported as actual concentration, based for PCM on quantity of fibers per cubic centimeter of air (f/cc), as applicable, and carried out to three decimal points.
   3. Test results reported on letterhead of accredited testing laboratory, signed by microscopist and by laboratory director.
   4. For the purposes of this Project, the required Turnaround Time for OSHA personal air testing of air samples collected shall be forty-eight (48) hours. This 48-hour period commences from the time the samples are forwarded to the testing laboratory. Chain of Custody forms shall be prepared for each Workday and for each active Work Area. Field and ambient blanks are required for each sampling event and logged on each Chain of Custody form, in accordance with OSHA regulations.

5. Faxed Reports shall be forwarded to Project Site (to Environmental Site Representative and to ERC) and separately to the office of the Engineer.
6. Samples to be forwarded to testing laboratory, at a minimum, by an overnight courier- service (for early morning delivery at the testing laboratory), if/as required.

1.11 ENVIRONMENTAL (ASBESTOS AND PCB) PROJECT & AIR MONITORING/TESTING (BY OWNER)

A. ERC shall provide NYSDOL Asbestos Certified Supervisor at any and all times the ESR is on-Site.

B. ERC shall provide OSHA 40 Hour Hazardous Material Certified Supervisor and Workers at any and all times the ESR is on-Site.

C. Environmental Project and Air Monitoring/Testing will be contracted separately by the property Owner to a licensed third-party air sampling environmental consultant and completely independent of ERC.

D. The ESR shall assist in interpretations of the Specifications and Contract Drawings or governing law pertaining to the control of ACM.

E. ERC shall provide all access, assistance, and documentation to the ESR and Engineer as may be required to verify conformance with these Specifications and Contract Drawings. The Owner's Representative, with authorization of Owner, only may stop Work if an instance of substantial non-conformance with the Specifications and Contract Drawings and/or a situation presenting a health hazard or other danger to Workers or real property is observed during the course of their review of the Project. Work shall not resume until corrective measures have been carried out.

F. ERC is solely responsible to comply with all applicable health and safety regulations promulgated by the federal, state, or local governments. No activity on the part of the Owner's Representative, Design Professional, ESR or Engineer represents the ERC's compliance with the applicable health and safety regulations.

G. Provide access and assistance to the ESR technician(s), as required.

H. The ERC and the ESR shall work closely together to ensure proper and expeditious Work progress and completion.

I. Upon request, as is reasonable and just, ERC shall provide ESR, Owner's Representatives and Regulatory Officials with:
   - Disposable suits, in sizes and numbers required by their personnel;
   - Applicable disposable respirator filters, as needed to perform their Work;
   - Electrical outlets and capacity, as needed to perform their Work including, but not limited to, provision of adequate electric use for use by air sampling/technician to engage air sample equipment/supplies, sufficient lighting, etc.

J. Due to amount of Work, multiple ESR's shall be assigned to this Project in order to expedite Work and ERC shall provide them with items noted above, as is reasonable and just.

K. ERC shall assist in assuring integrity of sample collection by ensuring continuous operation, safety and security of air sample equipment/supplies.

L. In accordance with Code Rule 56 (a)(c), the "air sampling asbestos contractor", otherwise known as the independent "Asbestos Project & Air Monitor" or ESR (in this Specification), is required to submit PCM sample results equal to or greater than 0.01 fibers per cubic centimeter upon receipt, along with background results, the same business day to the NYSDOL District Office.

M. Work Stoppage: If air samples indicate airborne fiber concentrations that exceed regulations, Work shall stop immediately for inspection, repair, cleanup, and documentation, as applicable, in accordance with Code Rule 56-4.10.

N. Environmental Project and Air Monitoring and Testing shall be conducted per requirements of OSHA and of Code Rule 56.

O. Investigations and Reporting: The ESR shall have the full force and authority to investigate and report on items of environmental and health hazards related to any environmental exposure, as observed or as found otherwise at the Project site and pertaining to Contract Work of ERC.

P. Testing Report & Turnaround Time. All testing Reports will include:
   1. Locations of sampling indicated on small-scale plans (8.5" x 11"). Small-scale plans are going to be available from the Environmental Site Representative.
   2. Completed Chain of Custody forms.
   3. Test results reported as actual concentration, based for PCM on quantity of fibers per cubic centimeter of air (f/cc), or based upon TEM on quantity of structures per squared millimeter of air (s/mm2), as applicable, and carried out to three decimal points.
   4. Test results reported on letterhead of accredited testing laboratory, signed by microscopist and by laboratory director.
   5. In accordance with Code Rule 56, the required turnaround time for environmental asbestos testing of air samples collected, the period of time between completion of air sample collection and receipt of results on the Project site (faxed Reports containing documents specified hereinabove) shall be equal to or less than 48 hours, or shall be in accordance with turnaround time limits specified below, whichever is shorter:
      a. Backgrounds and Prep Work: 48 hours.
      b. PCM and TEM Clearence, as applicable: Immediate.
      c. Second Clearence (after re-cleaning when/if first clearance fails): Immediate.
   6. Electronically mailed Reports shall be forwarded by ESR to:
      a. ERC
      b. Engineer
      c. Architect

Q. Samples to be forwarded, to testing laboratory, at a minimum, by an overnight courier-service (for early morning delivery at the testing laboratory), if/as required.

R. Required turnaround time for testing reports other than the one specified hereinbefore, as required by regulations or 24 hours.

S. The turnaround time specified above is to start upon receipt of sample(s) at testing laboratory.

T. Clearence Air Monitoring Results Criteria:

Laboratory analysis results of environmental air monitoring asbestos clearance sampling shall be considered satisfactory when each clearance air sample collected inside a Work Area demonstrates, through Polarized Contrast Microscopy (PCM) and/or Transmission Electron Microscopy (TEM), as applicable.

Note: Use of background samples/test results are prohibited from use in determining satisfactory clearance level, unless special circumstances mandate such an exception and background samples/tests are specifically approved by Environmental Consultant.

PCM's: Environmental sample results less than 0.01 f/cc;

TEM's: Environmental sample results less than 70 s/mm2.

ICR 56 requires Environmental Consultant to forward elevated PCM samples, along with background samples, to be faxed to the NYSDOL District Office immediately (same business day received). ERC is required to sign ESR Air Monitoring logs indicating knowledge of samples in excess of the 0.01 f/cc (PCM).

1.12 ADDITIONAL COSTS TO ERC

A. In accordance with Contract documents.

B. ERC recognizes that time is of the essence for this Agreement.

C. Architect, Engineer has determined Construction Schedule. If a change in Work Areas are required or ERC does not provide manpower the Project sufficiently to complete Work in allotted time/construction schedule, then the ERC will be responsible for all associated additional costs (including overtime, weekends, holidays, etc.), if determined fault is by ERC.

D. ERC shall maintain control of Site and such control includes providing ERC personnel to be on-site at all times when ESR is on-Site. Additionally, ESR shall not be required to conduct air sampling outside of normal work hours. If overtime or weekend hours, other than those specified in the Construction Schedule, are requested by ERC and approved by Owner, ERC shall be responsible for all associated costs and will be deducted from directly ERC's Contract Sum, at the discretion of the Owner.

E. Should ERC fail to pass environmental air clearance, then associated costs of re-cleaning, re- sampling and re-testing shall be borne by the Contractor, unless failures are the result of other trades or other related conditions, i.e., alteration Work performed by others, weather, traffic, etc. Any additional costs will be deducted from payment due to the Contractor, at discretion of Owner.

F. Bulk sampling/testing of suspect environmental contaminants and/or environmental air monitoring/testing by ERC or by ERCs' agent <u>is not permitted</u>.

G. <u>NOT APPLICABLE</u> – METAL FENCING OF STAGING AREA

1. Provide, install, maintain and secure metal construction fencing. Fencing shall consist of the following:
    a. Min. 6' x 0" in height
    b. Provide "structural" supports maximum 8' x 0" separation, in order to ensure integrity, with min. 15' x 0" opening for vehicular traffic in two locations. Install min. 4' x 0" depth in order to ensure secure fencing system does not fail.
    c. Material: Metal Chain Link or other suitable material as accepted by Owner and Architect, Engineer.

1.13 RECORD KEEPING

A. Maintain a Project Record as required by ICR 56. The Project Record shall be available on-site and shall include all elements cited in ICR 56.

B. The ERC shall maintain personal respiratory program and associated records and ensure they are signed by a physician documenting Worker medical examinations, by a "B Reader", with satisfactory chest X- rays

and pulmonary function tests. The form from Appendix D of OSHA 29 CFR 1926.1101 or equal shall be used. These records shall be kept on file by the ERC for the duration of employment plus 30 years.

1.14 INSURANCES – As specified in Contract Documents adding Hulbert Engineering and Land Surveying, DPC, Highland Associates, and ESR as "Additional Insured".

1.15 SUBMITTALS AND NOTICES

A. Submit the documents herein below, in accordance with Section 01 34 00 Submittal Procedures. All references to PCB submissions are included for reference and only used if PCB contaminated building materials are discovered. The laboratory test results competed of suspect materials to be disturbed for this project have determined no PCB's are present.

B. SUBMITTALS **PRIOR TO START OF WORK, if/as applicable**:
REFER TO SECTION 01 34 00 "SUBMISSION PROCEDURES"

Work shall not commence until the following documents have been submitted, reviewed, and accepted by the Architect/Engineer.

NOTE: Where listed below, all requirements for "Letter" shall reference project and be submitted on appropriately dated ERC company letterhead and shall include signature of firm's officer.

Copies of the following shall be valid, appropriate, and legible:

1. Insurances (As specified in Architect Specifications Division 00, but adding Hulbert Engineering and Land Surveying, DPC and ESR as "Additional Insured");
2. Firm's Valid/Current NYSDOL Asbestos License
3. NYSDOL "Asbestos Project Notification"
4. EPA "Notification of Asbestos Project" if applicable.
5. OSHA PCB Notification of PCB Project"
6. Ten (10) Day "Notice to Occupants of Asbestos Project." Post Notification signage, as Required;
7. Hot Work Permit;
8. Draft of NYS "Petition for Variance relief;
9. NYSDEC Waste Transporter Permit Part 364, and:
    a. Name of proposed recycling, reuse and/or reclamation facilities that may be used in association with the Project, or a "No-Recycling" Statement on letterhead.
10. Copies of ERC Project Manager, ERC Supervisor and Worker Documentation Copy of valid NYSDOL Asbestos certification, Copy of valid asbestos training certificate (NYSDOH DOSH Form 2832), Copy of valid OSHA 10 Hour Construction Safety Course (effective July 18, 2008) training certification, Copy of valid OSHA 40 hour Hazardous Material training certification.
11. Letter certifying Workers have received the required comprehensive medical examinations (including satisfactory chest X-ray and pulmonary function test) and whose health condition was determined as being satisfactory for performing applicable Asbestos Abatement Work

while wearing applicable respiratory protection equipment. Certify that asbestos Workers have had X-rays reviewed/approved by a "B reader". DO NOT forward specific individual medical examination documents, since this is a violation of the Health Individual Portability & Accountability Act (HIPAA) of 1996.

12. ENVIRONMENTAL REMDIATION WORK PLAN:
    a. Staffing schedule stating number of Workers per shift, name and number of supervisor(s) per shift, hours per shift, shifts per day, and total days to be worked;
    b. ERC plan for dividing the Asbestos Work Areas;
    c. Plan shall indicate locations of access/egress of each Work Areas;
    d. Locations of attached and remote Personal and Waste Decontamination Units
    e. Locations of intended discharges from Negative Pressure Units (NPU's);
    f. Letter confirming each shift has a different work force;
    g. Abatement schedule indicating critical dates of the job, including start of mobilization, preparation, removal, and reactivation of each Work Area and including and completion of demobilization.
13. Copy of testing Laboratory's NYSDOH ELAP Certification to conduct PCM analysis for Personnel Monitoring/Testing.
14. Manufacturer's information & Safety Data Sheets (SDS) for specified Products:
    a. Wetting Agent;
    b. Lockdown Encapsulated
    c. Fire-Rated Wood Materials;
    d. Fire-Retardant Polyethylene Sheeting;
    e. Fire-rated Caulks, Sealants and Rods;
    f. Mastic Remover;
    g. Patching Materials/Products;
    h. Ceiling Clips;
    i. Lagging Cloth;
    j. Manufacturer's certifications that vacuums, ventilation equipment, and all other equipment required to contain airborne fibers conform to HEPA filtration standards;
    k. Other Materials and Products Used.

C. SUBMITTALS **DURING WORK, if/as applicable**:
1. Submit for review and acceptance to Architect/Engineer through Newforma valid, appropriate, and legible copies of the following:
    a. OSHA personnel air testing results (48 hours from sampling event).
    b. Letter certifying that personnel not previously processed for work on this project have received required comprehensive medical examinations.
    c. Other pertinent SDS's for materials/products not previously processed for work on this project.

D. SUBMITTALS AT **CLOSE OUT, if/as applicable**:
1. Submit for review and acceptance by the Architect, Engineer, through Newforma (min. 5 working days prior to Application for Payment) valid, appropriate, and legible copies of the following:
    a. Project Record
    b. Sign in-Sign-out (daily Sheets).

c. Copy of Daily OSHA Personnel Sampling/Testing logs for Asbestos and Personal Air Sampling/Testing Reports
d. Asbestos (Friable) Waste Manifests.
e. Non-Friable Asbestos Waste Manifests.
f. PCB Waste Manifests.
g. C & D Waste Manifests.
h. Copies of NESHAPS waste manifest and bill of lading for friable asbestos.
i. Copies of NESHAPS waste manifest and bill of lading for non-friable asbestos.
j. Copies of Construction & Demolition (C&D) waste manifest and bill of lading.

1.16 PROTECTION OF CONTRACTOR'S PERSONNEL

A. The ERC is solely responsible for the protection of his Work force. Worker Protection shall comply with OSHA 29 CFR 1926.103 (Respiratory Protection), as applicable. In addition, protection from other hazards inherent in abatement and construction Projects shall be provided.

B. The Owner and Owner's Representatives reserve the right to have a ERC's employee removed from the Site for a single personnel protective equipment (PPE) violation, have the ERC's supervisor removed for a second PPE violation, and have the ERC removed from the Site for a third PPE violation.

C. There shall be no harassment of any fellow Worker, Owner or Owner's Representatives. This includes verbal, visual or physical gestures. Additionally, this type of rude or inappropriate behavior shall not be acceptable and employee may also be removed from the Site upon request of Owner or Owner's Representatives for any single substantiated reason.

1.17 VARIANCES

A. NYSDOL Site Specific Variance (NYS SSV) shall be prepared by a current registered NYS Professional Engineer and certified Project Designer and submitted to the Engineer for review and approval prior to being forwarded to the NYSDOL Engineering's review and approval.

B. It is a violation of Section 7209, Subdivision 2, New York State Education Law for any person, unless acting under the direction of registered Professional Engineer or licensed Professional Architect, Engineer, to alter in any way, any Plan, Specification, Report or Map to which the seal of a Professional Engineer, Registered Architect, Engineer or other applicably licensed professional has been applied.

C. ERC may request any additional relief from the Engineer and must receive approval from the Owner and Engineer. The request must address financial and/or environmental long-term benefits to Owner, i.e. cost savings, etc., and must identify specific locations or areas affected. If the Application request is approved by noted entities, then the ERC shall submit Addendum language directly to the Engineer for their review and approval. ERC shall be responsible for all associated costs to NYSDOL, Architect/Engineer and Owner.

D. Such attempts to request other items than noted in paragraph F herein below in the "Petition for Variance Relief" shall be at the ERC's own cost, risk, and discretion and requires prior approval by Engineer.

E. The Owner, Architect/Engineer, and/or Owner's Representatives reserve the right to disallow any Variance request for any reason.

F. **IF REQUIRED:** The following Reliefs for the Crawl Space soil Work Areas shall be addressed in the NYSDOL "Petition for Variance Relief":

1. Subsequent to receipt of satisfactory visual inspection by Project Monitor, with no exceptions, the last day's PCM daily samples shall be considered "air clearance" sampling/testing.
2. Other reliefs as may be requested by Contractor and approved by Environmental Consultant.

1.18 SPECIAL REQUIREMENTS

A. Size, location, and quantities of all ACM's must be field verified by the ERC and the ERC is solely responsible for same. Information given in Specifications and Contract Drawings, Drawing Appendices, and/or associated environmental sampling/testing reports (available electronically from Engineer) is for general orientation and information only.

B. The ERC shall have at least one English-speaking Project Manager and a minimum of one English-speaking (in the language of the Workers) NYSDOL Certified Supervisor on Site, for each Work Area, at all times while the Project is in progress. Such Supervisors shall also be required to be well- versed in the language of the Workers.

1.19 OWNER'S RESPONSIBILITIES

A. Owner shall provide access to Building.

B. Architect/Engineer shall dictate location of Staging Areas, including location of Contractors' vehicles and waste containers.

C. The owner shall provide and pay for ERC water and electric services. ERC shall be responsible for connections and disconnections, and applicable securities, with associated materials and components requiring compliance with applicable rules and regulations, and be responsible for the cost of same in their Bid.

D. Owner shall ensure no uncertified asbestos or PCB personnel are allowed access to active Work Areas and an additional 25' x 0" until completion of Environmental Remediation Construction Work.

E. Owner shall advise the Environmental Site Representative of any furnishings, equipment or supplies that require turning over to Owner.

F. ELECTRICAL: ERC shall coordinate with Owner and ESR to ensure OSHA Lock- Out/Tag-Out of all electrical systems prior to Start of Work in active Work Areas.

PART 2 - EQUIVALENCY CLAUSE, MATERIALS AND EQUIPMENT

2.1 EQUIVALENCY CLAUSE

A. Where three kinds, types, brands, manufacturers, or materials are named in these specifications, they are to be regarded as the required standard of quality and are presumed to be equal. The contractor may select one of these items or, if the contractor desires to use any kind, type, brand, manufacturer, or materials other than those named in the specifications, the contractor shall indicate in writing, when requested, and prior to the award of contract, what kind, type, brand, manufacturer or material is included in the base bid for the specified item.

2.2 MATERIALS

A. FIBER OR METAL DRUMS: Sealable drums of 30 or 50-gallon capacity shall be of fiber or metal with tightly fitting lids. The drums and bags shall be labeled in accordance with OSHA or USEPA requirements and shall be air and watertight.

B. REQUIRED - Lockdown (binding) encapsulant shall be non-toxic and non-carcinogenic. (For ends of exposed fiberglass insulations)

Products/Manufacturer: "ABC Professional Asbestos Encapsulant/Sealant System for Asbestos-Containing Materials", as manufactured by Fiberlock Technologies, Inc., 150 Dascomb Road, Andover, MA 01810, telephone: 800.342.3755, fax: 978.475.6205, website: www.fiberlock.com.

Manufacturer's Contact Information:
New England and Eastern Canada Regional Sales Manager
Fiberlock Technologies, Inc.
800.342.3755, Extension 225
www.fiberlock.com

C. REQUIRED: ENCAPSULANT (LAGGING CLOTH):

Lagging Cloth shall be non-toxic and non-carcinogenic-

Products/Manufacturers: "Lag-Kote (6424 White)", as manufactured by Fiberlock Technologies, Inc., 150 Dascomb Road, Andover, MA 01810, telephone: 800.342.3755, fax: 978.475.6205, website: www.fiberlock.com.

D. REQUIRED: CAULKS, SEALANTS & RODS (ANTICIPATED):

Subsequent to acceptance of the work areas being granted by NYSDOL Site Specific Variance (by ERC) for last day's satisfactory PCM testing and subsequent to receipt of satisfactory TEM air clearance sampling/testing, the following materials and procedures shall be incorporated:

REPAIRS TO EXISTING OPENINGS (REQUIRED), Sealants & Rods

1. ALL CRACKS <3", in width or length, install:

"Titebond Radon Sealant Gray", Product Code: 3251, Color: Concrete Gray. Manufactured by Franklin International, 2020 Bruck Street, Columbus, Ohio 43207. Telephone: 800.424.9300. EQUAL OR SUBSTITUTE: Must be paintable and dry within 2-4 hours and shall comply with the following Physical and Chemical Properties:

Physical state:	Liquid (Paste)
Flash Point:	Closed Cup
Color:	Gray
Odor:	Sweet, Acrylic
pH:	7.5 to 9.0
Boiling/Condensation Point:	>93.333 degrees C (>200 degrees F)
Melting/Freezing Point:	<0 degrees C (32 degrees F)
Relative Density:	1.3 to 1.6
Vapor Pressure:	3.3 kPa (25 mm Hg) (20 degrees C)
Vapor Density:	>1 (Air = 1)
Volatility:	25 to 45% (v/v)
Evaporation Rate:	<1 (ether (anhydrous) = 1)

VOC (less water, less exempt solvents):	19 g/L (non-reactive)
Solubility:	Soluble in cold and hot water
Viscosity:	450,000 cps
ASTM:	C920 & C834
Grade:	Class A, Type A

2. CRACKS IN EXCESS OF 3", first install (size as needed):

"CERA-ROD – Non-Gassing Heat-Resistant Backer Rod", Color: Beige. Manufactured by W.R. Meadows, Inc., Post Office Box 338, Hampshire, IL 60140-0338. Telephone: 800.342.5976, www.wrmeadows.com.

EQUAL OR SUBSTITUTE: Must comply with the following physical and chemical properties:

Physical State:	Flexible, non-staining, lightweight
Flash Point:	Closed cup: Not applicable
Color:	Gray or Beige
Psi:	8.0
Vapor Pressure:	55.2 KPa at 25%
Vapor Density:	>1 (Air = 1)
VOC:	None to Low
ASTM:	D 5249, Type 1 and 3

After installation of backer rod, install the radon sealant.

E. FIRE BARRIER SEALANT/CAULK: Where/as required by function or fire code

REQUIRED – Fire Barrier Sealant/Caulk: Where/as required by Contract Drawing, function or fire code.

Products/Manufacturers: "3M FIRE BARRIER SEALANT/CAULK", as manufactured by 3M Company, 3M Building and Commercial Division, 3M Center, Building 223-2N-21, St. Paul, MN, 800.325.1687, www.3M.com/firestop.

F. REQUIRED – WETTING AGENT shall be non-toxic and non-carcinogenic

Products/Manufacturers: "Penewet (6450), as manufactured by Fiberlock Technologies, Inc., 150 Dascomb Road, Andover, MA 01810, telephone: 978.623.9987, fax: 978.475.6205, website: www.fiberlock.com.

G. REQUIRED - Low or No-Odor Mastic Remover shall be EPA approved "Green", environmentally friendly (made from American Grown Soybeans), non-toxic, non-carcinogenic and contain no dilimonene.

Products/Manufacturers for Concrete, Stone & Wood Floors: "CLEANAIRE 1500 Biodegradable Low Odor Degreaser and Mastic Remover", as manufactured by Rochester Midland Corporation, 333 Hollenbeck Street, Rochester, NY 14621, telephone: 800.388.4762, website: www.rochestermidland.com.

H. NOT APPLICABLE - Low or No-Odor Cleaning Solution shall be EPA approved "Green", environmentally friendly, non-toxic, non-carcinogenic and contain no di-limonene:

Products/Manufacturers for Concrete Floors: "ALPHA 3 Concentrated Heavy Duty Aqueous Cleaner", as manufactured by Rochester Midland Corporation, 333 Hollenbeck Street, Rochester, NY 14621, telephone: 800.388.4762, website: www.rochestermidland.com

I. REQUIRED - Fire Retardant Treated (FRT) Lumber. Note: All FRT woods and lumbers shall be in accordance with applicable NYS and federal, including ASTM, fire codes and regulations.

Acceptable Products/Manufacturers: "Dricon Fire Retardant Treated Indoor Wood", as manufactured by Arch Wood Products, Inc., Arch Treatment Technologies, 5660 New Northside Drive, Suite 1100, Atlanta, Georgia 30328, telephone: 678.627.2020, website: www.dricon.com.

Acceptable Products/Manufacturers: "FirePRO Fire Retardant Treated Wood (FRTW)", as manufactured by Western Wood Preserving Co., 1310 Zehnder Street, Sumner, Washington 98390, telephone: 800.472.7714 or 253.863.819, website: www.westernwoodpreserving.com

All wood and lumber products/systems shall be provided with fire-retardant treatment (RFT) and installed as needed for complete Work. Wood stud framing system shall be constructed with 2" x 4" wood studs with minimum 3/4" thick sheathing, Type "X" gypsum board; or min. 3/8" thick plywood or particleboard sheathing.

J. REQUIRED – Fire Retardant Treatment:

1. Pressure impregnated fire treatment, bearing Underwriter's Laboratories, Inc. label with fire hazard classification of 25 or less or FRS classification (Guide BPVV).
    - Flame spread: Not more than 25, ASTM E-84; with no increase in fire hazard classification when test is extended to 30 minutes after being subjected ASTM D-2898.
2. Identification: Mark each piece with a performance identification label or mark of UL. Provide identification mark at intervals required by inspection officials having jurisdiction.
3. Moisture Content for Lumber and Plywood:
    - Plywood: Dry to not more than 15% moisture content after treatment.
    - Lumber: Dry to not more than 19% moisture content after treatment.
4. Application: Where carpentry is within the interior of the building or is directly exposed to exterior elements, including work of temporary enclosures/partitions, Isolation barriers specific.
5. Type of Treatment: Pressure-impregnated monomeric resin solution.

K. REQUIRED – Fire-rated Spray Foam (Sealant):

Products/Manufacturers: "GREAT STUFF Gaps and Cracks Insulation Foam Sealant 16oz HC QP", as manufactured by The Dow Chemical Company, 2030 Wiliard H. Dow Center, Midland, MI 48674, telephone: 800.258.2436, website: www.dow.com;

L. NOT REQUIRED: Barrier Wall Film Clips (for attaching polyethylene to suspend ceiling tile grids):

Products/Manufacturers: "Barrier Wall Film Clips", Number A1022, color: Blue (designed for SCT grids), as manufactured by Koffler Sales Company, telephone: 800.355.6287, website: www.kofflersales.com/barrier-wall-film-clips.asp;

M. Oriented Strand Board (OSB) shall not be permitted for use for any part of this Project, whether exterior or interior.

N. Reinforced bags shall be plastic feed bags, reinforced with woven nylon.

O. Standard bags shall be polyethylene. 6-mil mm. thickness, opaque and transparent.

P. Marking of bag, drums and/or any packaging holding asbestos-containing waste shall be boldly marked/labeled with the following information commercially printed thereon:

DANGER

CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD
-and-
WASTE ASBESTOS MIXTURE
NA22 12

Q. Non-permeable labels/tags on all ACM bags shall contain the name and address of waste generator (Owner).

R. Non-asbestos caulk/sealant shall consist of one-part Acrylic-Urethane Sealant.

S. Duct tape, spray adhesive, etc., as needed for completion of work.

T. WASTE DISPOSAL (ASBESTOS, PCB, AND C&D): At the conclusion of work, the ERC shall provide a letter addressed to the Owner certifying that all ACM, PCB, recycled/reused/reclaimed, and C&D materials removed from the Project Site disposed of consistent with the applicable federal, state, and/or local regulations, with attachments to that letter providing proof of transport and disposal facility.

2.3 TOOLS AND EQUIPMENT

A. Provide sufficient number of high efficiency particulate absolute (HEPA)-filtered vacuum cleaners equipped with wet pick-up adapters, steel floor wands, and crevice tools as needed to complete work in accordance with the regulations.

B. Provide sufficient number of airless sprayers capable of spraying a sufficient amount of amended water to allow continuous wetting of work.

C. Use power tools only as necessary and as permitted by applicable regulations. Equip power tools used to drill, cut, saw or otherwise disturb ACM with HEPA-filtered local exhaust ventilation.

D. Scaffolds, platforms, and ladders shall comply with all applicable codes. Seal scaffold or platform joints and ends with tape to prevent incursion of ACM. Make available to authorized visitors, ladders, platforms, and/or scaffolds of sufficient dimension and quantity and so that all work surfaces can be easily and safely reached.

E. Do not use Owner's tools or equipment. The use or damage of the Owner's tools or equipment shall be deemed unacceptable, and no responsibility shall be assessed against ERC in case of damage and/or injury to Contractor/Workers or damage to the Building.

PART 3 - EXECUTIONS

3.1 STAGING AND SIGNAGE

A. Coordinate locations of Staging Area with ESR and Owner.

B. The Staging Area may include, but not limited to, Decontamination Units, Waste Containers, Contractors Trailers, Equipment, Vehicles, Temporary Generators and Toilet Facilities.

C. Post warning signage in accordance with applicable regulations. Signs shall be posted at all entrances at Staging Area Site fencings, Buildings, and Work Areas.

3.2 WATER

A. The Owner shall provide water though ERC is responsible for connections and disconnections to existing systems or maintenance. ERC shall provide and maintain hoses, piping, and valves as required for utilizing water and shall provide and maintain a hot water heater of sufficient capacity to provide hot water showers for Workers. Applicable costs shall be included as part of ERC price.

B. RESPONSIBILITY FOR WATER TIGHTNESS: The ERC acknowledges and solely assumes full responsibility, after commencement of Work, for weather-tightness and water-tightness of the building, its structure, systems and components, and assumes sole liability for related damages to Buildings' structure, systems, components, finishes and contents, and for associated costs and expenses.

C. ERC is solely responsible for all turn-on and turn-off of all water systems including, but not limited to, showers, water tanks, hoses, meters, etc. whether for this Work or for use by ESR. ESR or Owner will not be permitted to turn on or turn off any water source.

3.3 DEACTIVATION OF EXISTING MECHANICAL, PLUMBING, FIRE PROTECTION, FIRE ALARM, ELECTRICAL AND COMMUNICATION SERVICES

A. It is the responsibility of the ERC to deactivate all existing mechanical, plumbing, fire protection, fire alarm, electrical and communication services associated with this Site and confirm systems are deactivated and locked-out/tagged-out, in accordance with OSHA regulations and/or other applicable rules and regulations.

B. If one or more of the above noted existing systems cannot be properly deactivated or may in some manner jeopardize the safety and health of the occupants or adjacent facilities, then warning identifications on activated systems and/or conduits shall be undertaken and notifications documented to affected persons/facilities.

C. Electrical Safety Devices: ERC shall provide electrical safety devices to each Asbestos Supervisor in each Work Area to individually ensure no active electrical currents are present during Work.

3.4 TEMPORARY POWER, LIGHTING AND HEAT

A. ERC shall provide temporary electric power supply generators where/as necessary for the performance of Work including the addressing of personnel safety, proper illumination and supply of electrical power for equipment, tools and for heat and be responsible for cost of same.

B. Generators, if/as used or required supplementary to Owner's electrical capacity in Buildings/Spaces, shall be of adequate generating capacity and type to provide needed amount and voltage of supplied electric current, UL approved (preferably by UL Environmental) and labeled, NEC compliant and protected so as to prevent injury to Workers.

C. Provide temporary power and panels for equipment and lighting within the Work Area as defined by governing regulations and codes.

D. Ensure installation and use of temporary power and lighting within the Work site per applicable electrical code requirements. Provide safety lighting and ground fault interrupter circuits.

E. Provide electrical service as needed by the Project Monitor and/or Air Sampling Technician. All electric, generators, etc. shall be fitted with GFCI, shall be of sufficient size and quantity for air sampling of ESR.

3.5 TEMPORARY TOILETS & SANITARY FACILITIES

A. Toilets and other necessary facilities will be provided by the Owner. ERC shall be responsible for maintenance and cleanliness from malodors and cleaned on a daily basis. Costs shall be included in ERC Price.

3.6 TEMPORARY PARTITIONS & ISOLATION BARRIERS

A. Provide and maintain sufficient Isolation Barriers in accordance with ICR 56-7.11 (b), where/as required, with layers/mils of polyethylene sheeting where/as specified in Code Rule, or otherwise relieved, waived or modified in NYSDOL Site Specific Variance and accepted by ESR.

B. Interior hardwall barriers shall have fire-retardant treatment constructed of min. 2" x 4" metal or wood framing spaced max. 24" O.C. and min. 0.5" fire-rated plywood sheathing. The constructed system shall be sealed with non-asbestos caulks/sealants and weather-stripping, if/as needed, to render system airtight. Avoid methods that may damage adjacent surfaces/materials.

C. Remove polyethylene sheeting at Temporary Partitions/Isolation Barriers upon satisfactory test results of visual and air clearance sampling/testing, as applicable.

D. Critical barriers required to complete ACM removal shall be consistent with ICR 56 requirements or as otherwise relieved, waived or modified by Environmental Site Representative.

E. Use of Oriented Strand Board (OSB) is prohibited for use in this Project, whether interior or exterior construction.

3.7 TEMPORARY PROTECTIONS

A. Provide and maintain designated Staging Area, specified elsewhere in these Specifications and Contract Drawings.

B. Provide and maintain hardwood temporary protection over vulnerable surfaces and components, i.e. electrical panels, historic components, etc.

C. Temporary protections of roofing, windows, doors and skylights are not included in Work of ERC.

D. Provide two (2) layers of six (6) mil reinforced and fire-retardant polyethylene sheeting at ceiling, walls and floors in the hard-walled personal and waste decontamination units.

E. Where required by field conditions (i.e. decontamination units, Work Area separations, electrical and mechanical components, cleanable and reusable furnishings and equipment, safety/security of Building from vandalism, etc.), ERC shall secure in such a manner to reasonably prohibit intrusion by vandals and/or other unauthorized personnel into Building; Remove sheathing and framing at completion of Phase 2 of Environmental Remediation Work and/or as requested by Owner's Representative or Environmental Site Representative.

F. ERC shall comply with Owner's direction where Waste Containers and other Contractor's equipment/supplies are to be located.

G. Maintain water-tightness and integrity of systems so that water and/or debris do not penetrate into Building and/or outside active Work Areas.

3.8 ENGINEERING CONTROLS

A. Provide Engineering Controls, including Negative Pressure Units (NPU's), as required by regulations, and as needed otherwise for safe and complete Work of this Project.

B. Submit to Environmental Site Representative, prior to Start of Work, the calculations verifying exchange of air every fifteen (15) minutes.

3.9 CONFINED SPACES

A. Provide special procedures, entry permits, and safety means & measures, as applicable and in compliance with governing regulations, where spaces in which Work is to be performed qualify as a "Confined Space". Comply with Owner's "Confined Space Entry Program", available from Environmental Site Representative. If the Owner has no "Confined Space Entry Program", then Contractor shall be responsible for preparation and submission of same. Submit to EC for review and approval.

B. The contractor shall be fully responsible and liable for related determinations, for procedures used, for all safety issues, and for compliance with regulations.

3.10 FALL PROECTION

A. Provide special procedures related to Fall Protection, safety means & measures, as applicable and in compliance with governing regulations, where spaces in which Work is to be performed qualify as requiring Fall Protection.

B. ERC shall be fully responsible and liable for related determinations, for procedures used, for all safety issues, and for compliance with regulations.

3.11 HOT WORK

A. Comply with NYS Fire Code, OSHA as relates to all Hot Work.

B. Conduct "Hot Watches", on 24/7 basis, in accordance with applicable regulations.

3.11.1 LEAD SAFE WORK PRACTICES

A. Lead-Based Varnish (LBV) tested positive on varnished wood doors and frames scheduled to be removed and disposed. The location of doors are indicated on Environmental Remediation Contract Drawings.

B. If Contractor must adhere or disturb painted surfaces, those surfaces must be assumed to contain Lead unless tested negative.

C. During Environmental Remediation Work, protect Workers from Lead paint hazards, using "Lead Safe" practices as recommended by the National Association of the Remodeling Industry (NARI) in (http://www.leadsafeusa.com/training/guide.html) their guidance document "Remodeler's Guide to Lead Paint" to avoid exposure to Workers or others. In addition, Work shall be completed consistent with the U.S. Department of Labor Occupational Safety and Health Administration "Lead in Construction" standard. OSHA regulations require initial exposure monitoring for personnel for lead in air related to construction tasks.

D. In accordance with OSHA 29 CFR 1926.62 "Lead Exposure in Construction; Interim Final Rule, published May 4, 1993, paragraph (d) (6) (i) "Negative Initial Determination" states "if the initial determination

reveals employee exposure to be below the action level, further exposure determinations need not be repeated except as otherwise provided in paragraph (d) (7) of this section". If all construction tasks monitored are below the 8 hour TWA of 30 ug/m3, no further monitoring is necessary, unless, per paragraph (7) (d).

E. Whenever there has been a change of equipment, process, control, personnel, or a new task has been initiated that may result in additional employees having been exposed to lead at or above the action level or may result in employees already exposed at or above the action level being exposed above the PEL, the employer shall conduct additional monitoring in accordance with this paragraph.

F. An appropriate respirator and disposable protective clothing shall be donned by Workers when removing Lead-Containing Wood Doors and Frames and in areas of Lead delaminated and/or deteriorated painted/varnished surfaces/components. Note that regulations require a Respirator Protection Plan, Medical Monitoring, Respirator Fit Testing, etc. for persons wearing respirators.

G. Lead-specific analysis shall be conducted in accordance with NIOSH 7082 by an independent testing laboratory (independent of all parties associated with Project, including but not limited to, Contractor(s), Subcontractor(s) and EPA/HUD Monitoring Technician).

H. Testing Laboratory shall be applicably accredited by American Industrial Hygiene Association (AIHA) and the Environmental Lead Laboratory Accreditation Program (ELLAP).

I. Interim controls shall be conducted in accordance with the Renovation, Repair and Painting (RRP) rules if suspect lead materials are scheduled to be abraded in the course of this Project.

J. Notifications: In accordance with EPA 40 CFR, Part 745, Form “NOTIFICATION of Lead-Based Paint Abatement Activities”, if/as applicable. Refer tohttp://www.epa.gov/lead for copy of Form.

K. Use at all times, lead safe Work practices and procedures. Avoid creating dust and fumes wherever possible. Do not torch-cut or burn any painted surfaces. Mechanical sanding or cutting shall be only allowed if tools are equipped with properly functioning HEPA-vacuum systems to control potential lead dust.

L. Contractor shall conduct “OSHA Initial Lead Task Monitoring/Testing” and TCLP for Lead Sampling/Testing of waste containers, if/as applicable and reasonable.

3.12 SILICA WORK PRACTICES

A. All concrete and masonry surfaces/components shall be assumed to silica.

B. During removal Work, protect Workers from silica dust hazards, using silica safe practices as recommended by the U.S. Department of Labor Occupational Safety and Health Administration (OSHA) in their guidance document “A Guide to Working Safely with Silica” (www.msha.gov/S&HINFO/SILICO/SILICAX.pdf) to avoid exposure to Workers or others.

In addition, Work shall be completed consistent with the OSHA “Respiratory Protection Standard”, 29 CFR 1910.134 and 29 CFR 1926.103, effective April 8, 1998, or most current regulation

C. Use at all times, silica safe Work practices and procedures. Use wet methods and avoid creating dust at all times. Mechanical sanding or cutting shall be only allowed if tools are equipped with properly functioning HEPA-vacuum systems to control potential silica dust.

D. Comply with most recent revised OSHA 1910.1053 “Respirable Crystalline Silica”, effective June 23, 2016.

E. Contractor shall conduct “OSHA Initial Silica Task Monitoring/Testing”. Dispose of waste as Construction & Demolition (C&D) Debris.

3.13 WORK AREA PREPARATION, SPECIAL REQUIREMENTS

A. ISOLATION OF WORK AREA

1. A Work Area shall be isolated at all times from all other areas, spaces, or other parts of the buildings, or from related spaces isolated or protected by Isolation Barriers-specific (Critical Barriers), from commencement to completion of Environmental Remediation Work in a given Work Area.

2. Work of environmental remediation may commence in a Work Area only after said Area passes inspection to ensure completeness of preparatory work and the Environmental Site Representative is notified and subsequently takes no exception to the commencement of abatement work.

3. “AIRLOCKS”: Airlocks for donning and removing PPE, contaminated equipment and supply storage, etc., shall be installed at the entrance to each Work Area and to the “Waste-Out” of each Work Area and shall be constructed as follows:

FLOOR OF AIRLOCK:

- One (1) layer of min. six (6) mil fire-retardant reinforced polyethylene sheeting sealed with duct tape over “Ram Board” floor protection;

AIRLOCK, ATTACHED TO WORK AREA:

- Minimum three-foot (3’ X 0”) width and min. four foot (4’ x 0”) in length and support by min. 2’ x 4’ fire-rated wood or metal framing system; Seal airtight with duct tape.

THREE FLAP AIRLOCK TO EACH ROOM:

- Construct two (2) layers of three (3) overlapping and weighted sheets of six mil fire retardant polyethylene sheeting enclosure at entrance to each room.

B. GENERAL

1. Provide Work of Environmental Remediation and cleaning/decontamination where and as specified in Specifications and Contract Drawings.

2. Perform Work in a systematic manner. Use such methods as required to complete Work indicated on Drawings in accordance with Construction Schedule, and with governing regulations.

3. If unanticipated mechanical, electrical, or structural elements that conflict with Work are encountered, investigate and measure both nature and extent of the conflict. Submit report in written, accurate detail. Pending receipt of directive, rearrange Work as necessary to maintain overall job progress.

4. Cover and protect equipment and controls from contamination and/or damage when Work is performed in areas where such items have not been removed.

5. Ensure to adequately support any materials that were adequately supported but may not be subsequent to remediation Work.

6. Carefully remove, clean/decontaminate and turn over to Environmental Site Representative those items requested by Owner’s Representative. Store for reuse and/or reinstallation, or turn over to Owner’s Representative as directed.

7. Protections: Provide temporary facilities and controls and other forms of protection to protect general public from injury and from health hazards due to Work of this Project.

8. Provide protective measures as required to provide free and safe passage of Workers and occupants (related to the construction), to and from adjacent facilities and Worker occupied portions of subject Building. Provide interior and exterior shoring, bracing, or supports to prevent movement, settlement or collapse of structures or elements of Buildings.

9. Protect from damage existing Work that is to remain in-place.

10. Provide temporary weather/water protection during the interval between removal of existing and installation of new construction, to ensure that no water leakage or damage, direct or consequential, occurs to structure, systems, or interior spaces of Buildings.

11. Provide Isolation Barriers-specific (Critical Barriers) to isolate Work Areas from other adjacent areas or spaces.

12. Traffic: Ensure minimum interference with roads, walks and other adjacent occupied or used facilities. Do not close, block or otherwise obstruct exits, exit-ways, roads, walks, or other occupied or used facilities without written permission from the Environmental Site Representative. Provide alternate routes around closed or obstructed traffic ways, as required.

13. Environmental Controls: Use temporary enclosures and other methods and controls to limit migration of dust, dirt, noise and odor. Comply with governing regulations pertaining to environmental protection and controls.

C. SPECIAL REQUIREMENTS

1. All Work shall be supervised by ERC's "Competent Person" (as defined by OSHA regulations) for asbestos, PCB's and any other hazardous or universal materials.

2. Provide plywood protection over new and existing vulnerable surfaces in all areas that receive foot traffic and/or equipment traffic during construction.

3. Provide wood or other material sufficient to protect grounds and/or pavement areas where heavy equipment and waste containers are located. ERC shall be responsible for repairs to any damaged grounds or pavement areas due to its negligence.

4. Prior to commencement of asbestos abatement, pre-cleaning of gross amounts of "loose" damaged and deteriorated lead-based paints, all surfaces of non-removable appurtenances and equipment, shall be wet cleaned by the ERC and then protected by Isolation Barriers- specific ("Critical Barriers").

5. Provide temporary enclosures ("Isolation Barriers," "Critical Barriers") as and where required by regulations of NYSDOL, OSHA and EPA, or by Variances.

6. All barriers shall be inspected by the asbestos abatement ERC's supervisor at least twice daily, before the start of and following the completion of the day's abatement activities. Inspections are also required on days when there is no Phase II work or support activities scheduled. Inspections and observations shall be documented by the asbestos abatement contractor's supervisor in a daily project log.

7. ERC shall assign Work of daily repairs (of damaged/defective polyethylene sheeting) and of daily housekeeping as a permanent assignment, to reliable and conscientious personnel, directly responsible to the ERC's Project Manager/Supervisor at Site.

8. Clean/decontaminate from asbestos fibers removed and temporarily disconnected electrical, communication and mechanical components (light fixtures, lamps, smoke/fire detectors, thermostats, exit lights, cables, etc.).

9. Application of wetting agent:
   a. Asbestos-containing and PCB-containing materials to be cut or removed shall be thoroughly wetted immediately prior to stripping and/or tooling to prevent the release of visible emissions into the air. Wetting shall be accomplished by a fine spray of wetting agent. All ACM's/PCB's shall be saturated at all times within the Work Area. All non- hygroscopic asbestos material shall be wetted on a continuous basis.
   b. Product mix: Mix products with water, rate of dilution shall be as recommended by product manufacturer.
   c. Application and spreading rate shall be in accordance with the product manufacturer's instructions/recommendations.
   d. Where ACM materials to be removed contain amosite type asbestos, ERC shall determine, in field, the most suitable wetting agent and removal procedures which would provide maximum safety conditions in the Work Area.

      NOTE: Wet removal as specified herein is required unless damage to equipment resulting from the wetting would be unavoidable. In such cases, the ERC shall first seek, from USEPA and from NYSDOL, a written approval of alternate procedures suggested by ERC. Copies of such approvals, if obtained, shall be submitted to the Owner before work commences.

10. ERC shall determine, through testing on small areas, the most applicable product, procedures of removal and tools the ERC intends to use. Results of said testing and of intended procedures shall be reported to the Owner. Procedures contrary to or not permitted by Requirements, Specifications or Drawings of this Project, or procedures which the Owner or Owner objects to, shall not be used.

11. WATER LEAK PROTECTION: ERC is solely responsible for utilizing water hoses and associated parts and equipment that shall sustain integrity of the water control system throughout the duration of this project. Hoses shall be inspected a minimum of (4) times per day and especially at the end of each work shift. Water shall be shut off and hoses shall be disconnected from the water source.

12. The use of power washing as a sole means of asbestos removal is not permitted.

13. Manual methods shall be used, whenever possible, for cutting any ACM's.

14. Cutting, drilling, sawing, abrading or penetrating otherwise any ACM shall be done in a manner which eliminates or minimizes as much as physically possible the dispersal of asbestos fibers into the air.

15. Flame cutting or plasma cutting is not permitted.

16. Use of pneumatic hammers, or other impact or vibration causing tools or equipment, is not permitted.

17. Ventilation for power tools: Power tools used to drill, cut through or into, grind or otherwise disturb ACM, shall be equipped with HEPA filtered local exhaust ventilation. Use specialized equipment such as drills or saws having integral ventilating hoods which are connected to a HEPA vacuum with a flexible hose. Handle and dispose of HEPA filters as ACM/PCB.

18. Asbestos and PCB containing material on detachment from the substrate, while still wet, shall be directly double-bagged at point of its removal, or dropped into a flexible catch basin at the point of its removal and, while still wet, subsequently double bagged in specified Standard Bags (first bags opaque, second bags transparent). Removed asbestos- containing materials having rigid edges or corners shall be first bagged into the specified Reinforced Bags and then double bagged into specified Standard Bags.

19. Nylon bristle brushes, and not wire brushes, shall be used where necessary for removal of finer asbestos-containing particles from substrate.

20. Removed miscellaneous metal & sheet metal, other sharp-edged components, etc. shall be placed directly into drum lined with 6 mil specified Standard Sheeting, drums sealed airtight, labeled and disposed unopened at the waste disposal site.

21. Large components, removed intact, shall be sprayed thoroughly with lockdown encapsulant and wrapped in two layers of at least 6 mil specified Standard Sheeting, secured and made airtight with tape. Removed large components having sharp or rigid edges or corners shall be first wrapped in one layer of specified Reinforced Sheeting and then wrapped in second layer of specified Standard Sheeting.

22. Frequent cleanup and bagging/packaging of removed materials, while still wet, and of used protective clothing, etc. shall be done to prevent accumulation of such materials in the Work Area. The frequency of cleanups during asbestos removal shall be in accordance with Code Rule 56.

23. All equipment and all bagged/packaged or otherwise containerized waste shall pass through the Waste Decontamination Unit, and their surfaces shall be cleaned prior to removing them from the Waste Decontamination Unit.

24. COMPLETION DETERMINATIONS: At completion of Work, Work Area must be cleaned and decontaminated as determined by inspection of Owner or visual inspection by Project Monitor as required by New York State ICR56 and as determined by satisfactory results of clearance environmental air monitoring/testing, unless otherwise noted.

25. AT END OF EACH WORK SHIFT: ERC shall ensure that all water is shut-off, hoses disconnected and all water sources terminated.

26. If a Work Area fails to satisfactorily meet the Completion Determinations it shall be recleaned by ERC. Clearance air monitoring/testing shall be repeated, at ERC's expense. Recleaning and air monitoring/testing shall be repeated until the Work Area satisfactorily passes the Completion Determinations.

27. ERC shall install non-hazardous, fire-rated foam insulation at electrical component and mechanical systems where penetrating through walls/ceilings.

28. At no time shall axes be used in the remediation of any ACM's/PCB's, no matter location and type of material.

3.14 ERC'S RESPONSIBILITIES & LIABILITIES, INDEMNIFICATION

A. Comply with pertinent provisions in Architect, Engineer's Contract Specifications, Division 00's and 01.

B. By entering into the Contract for this Work:
   1. The ERC acknowledges and solely assumes full responsibility, after commencement of Work, for weather-tightness and water-tightness of the Building, its structure, systems and components, and assumes sole liability for related damages to Buildings' structure, systems, components, finishes and contents, and for associated costs and expenses.
   2. The ERC, expressly and unequivocally, agrees to indemnify and to hold harmless the Owner, the Architect/Engineer, the Environmental Consultant, the Environmental Site Representative, the ESR, including their Consultants, agents and employees, from any and all allegations, claims, liabilities and expenses, in connection with bodily injury, illness, sickness, property damage, arising from Work performed, not performed or which should have been performed, and especially those arising in connection with asbestos or weather-tightness and water-tightness, whether based upon the performance of services by the Owner, the Architect/Engineer, the Environmental Consultant, the ESR, including their Consultants, agents and employees, or based on claims against the Owner, the Architect, Engineer, the ESR, including their Consultants, agents and employees, and arising from the Work of others.

3.15 HANDLING AND DISPOSAL OF ACM/PCB AND ASEBSTOS /PCB CONTAMINATED WASTE

A. It is the responsibility of the ERC to comply with current federal, state, and local regulations concerning the waste handling, transportation, and disposal of ACM/PCB and non- ACM/PCB.

B. All friable ACM/PCB, non-friable ACM/PCB and non-asbestos Construction & Demolition (C&D) wastes shall be disposed at the permitted landfill.

C. ERC shall immediately remove waste containers from Site once filled to capacity.

D. Cleaned/decontaminated materials, where/as feasible, shall be recycled at a properly permitted facility.

E. At the conclusion of Work, the ERC shall provide a letter addressed to the Owner certifying that all ACM/PCB, recycled/reused/reclaimed, and C&D materials removed from the Project Site disposed of consistent with applicable federal, state, and/or local regulations, with attachments to that letter providing proof of transport and disposal at disposal facility.

F. Handling of Contaminated Water and Wastewater: Collect and dispose of all water potentially-contaminated by abatement activities off-site, in accordance with the applicable regulations and requirements specified herein.

G. Transportation of Waste: Transport waste in sealed drums or in permitted waste container lined with two (2) layers six (6) mil reinforced, fire-retardant polyethylene sheeting overlapped and sealed with duct tape.

H. Asbestos/PCB Waste Shipment Records: The ERC shall prepare all waste shipment records. Completed waste shipment records signed by the ERC, all transporters, transferors, disposal and/or processing facilities shall be provided to the Owner within 30 days of the time at which the asbestos containing wastes are received at the disposal and/or conversion facilities, which shall be no longer than 40 days after the waste was accepted by the initial transporter. The waste shipment record shall specify the designated number of bags or cubic yards of asbestos waste.

3.16 ENVIRONMENTAL REMEDIATION SCHEDULE

A. TIME IS OF THE ESSESNCE. Environmental Remediation shall be performed within the time limits established in the Construction Documents.

3.17 CONTINUOUS CLEANING & REPAIR OF DAMAGED SURFACES

A. Clean ACM/PCB contaminated water from Work areas regularly and routinely so as not to leak into non-Work Areas and/or cause damage to Site or adjacent Buildings' integrity or to cause unnecessary additional clean-ups of contaminations.

B. Clean existing surfaces, repair damages, restore existing facilities or surfaces to their original condition at cost of ERC, including additional Project & Air Monitoring, if/as required for Additional Work caused by ERC, i.e. damaged floors underneath decontamination units, contaminated carpets not well-protected by ERC's Work, etc.

C. Store and dispose of all wastes as required by the applicable regulations.

3.18 FINAL CLEAN UP

A. Removal of waste: All containerized waste shall be removed from the site immediately upon waste containing being filled to capacity.

B. Removal of Tools and Equipment: Remove all tools and equipment from the Work area immediately after Work is complete. Place in sealed airtight hardwall container and decontaminate within the ERC's own off-site facilities.

C. Perform a complete visual inspection of the Work Areas and areas adjacent to the Remediation, in association with ESR and CM, area under adequate lighting to ensure the Work area is free of visible ACM/PCB, debris, and dust prior to the start of any demolition of non-abatement activities.

D. ERC shall satisfactorily restore and repair any damages to Site and/or adjacent properties to the complete satisfaction of the Owner and ESR and at ESR sole expense.

E. Upon receipt of satisfactory air clearance testing, conduct demobilization activities.

END OF SECTION

SECTION 02 82 10 - SUBMISSION REVIEW CHART (ASBESTOS)

1.15	Item Description	Accepted For Record	Exception Taken	Not Submitted	COMMENTS
PRIOR TO START OF WORK:					
1	Insurances (As specified in HA Specifications Division 00)				
2	Firm's Valid/Current NYDOL Asbestos License				
3	NYSDOL "Asbestos Project Notification"				
4	EPA "Notification of Asbestos Project"				
5	EPA PCB Notification FORM -771053				
6	Ten (10) Day "Notice to Occupants of Asbestos Project." Post Notification signage, as Required				
7	Hot Work Permit;				
8	Draft of NYS "Petition for Variance Relief				
9	NYSDEC Waste Transporter Permit Part 364				
9a	Name of proposed recycling, reuse and/or reclamation facilities that may be used in association with is Project, "No-Recycling" Statement on Letterhead				

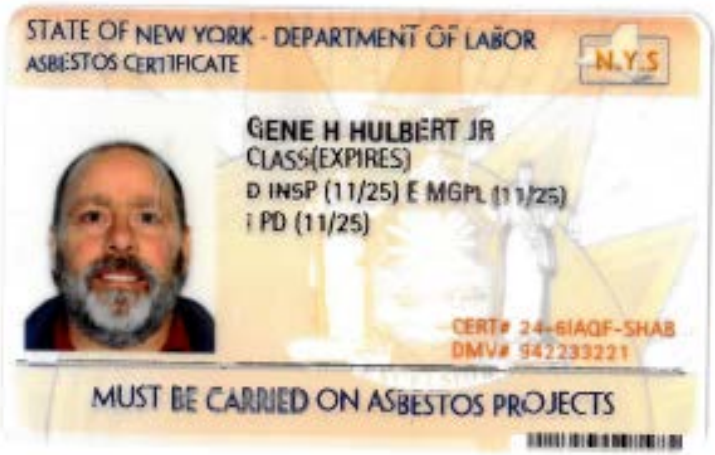
	Item Description	Accepted For Record	Exception Taken	Not Submitted	COMMENTS
10	Copies of ERC Project Manager, ERC Supervisor and Worker Documentation (Valid NYSDOL Asbestos Certification, NYSDOL DOSH Form 2832, OSHA 10 Hour Certification) 40hour Hazardous Material Training Certificate				
11	Letter certifying Workers have received the required comprehensive medical examinations (including satisfactory chest X-ray and pulmonary function test) and whose health condition was determined as being satisfactory for performing applicable environmental remediation Work while wearing applicable respiratory protection equipment. Certify that asbestos Workers have had X-rays reviewed/approved by a "B-Reader". **DO NOT forward specific individual medical examination documents, since this is a violation of the Health Individual Portability & Accountability Act (HIPAA) of 1996**				
12	WRITTEN WORK PLAN	Submit 9a through 9g			
12a	Staffing schedule stating number of Workers per shift, name and number of supervisor(s) per shift, hours per shift, shifts per day, and total days to be worked;				
13b	ERC plan if dividing the Asbestos Work Areas;				
12c	Plan shall indicate locations of access/egress of each Work Areas;				
12d	Locations of attached and remote Personal and Waste Decontamination Units				
12e	Locations of intended discharges from Negative Pressure Units (NPU's);				
12f	Letter confirming each shift has a completely different work force;				

12g	Abatement schedule indicating critical dates of the job, including start of mobilization, preparation, removal, and reactivation of each Work Area and including and completion of demobilization.				
13	Copy of testing laboratory's NYSDOH ELAP Certification that will conduct PCM OSHA analysis				
14	Manufacturer's information & Material Safety Data Sheet (MSDS) for specified Products	Submit 11a through 11i			
14a	Wetting Agent				
14b	Lockdown Encapsulant				
14c	Fire-Rated Wood Materials;				
14d	Fire-Retardant Polyethylene Sheeting				
14e	Fire-rated Caulks and Sealants and Rods				
14f	Mastic Remover				
14g	Patching Materials/Products				
14h	Lagging C				
14i	Fire-rated Foam Products				
14j	Manufacturer's certifications that vacuums, ventilation equipment, and all other equipment required to contain airborne fibers conform to HEPA filtration standards;				
14k	Other Materials and Products Used.				

	Item Description	Accepted For Record	Exception Taken	Not Submitted	COMMENTS
C. DURING WORK, if/as applicable:					
1a	OSHA personnel air testing results (48 hours from sampling event);				
1b	Letter certifying that personnel not previously processed for Work on this Project have received required comprehensive medical examinations				
1c	Other pertinent MSDS's for materials/products not previously processed for Work on this Project.				
D. CLOSE OUT SUBMISSIONS, if/as applicable:					
1a	Project Record				
1b	Sign in-Sign-out (Daily Sheets)				
1c	Copy of Daily OSHA Personnel Sampling/Testing logs for Asbestos and Personal Air Sampling/Testing Reports				
1d	Asbestos (Friable) Waste Manifests				
1e	Non-Friable Asbestos Waste Manifests.				
1f	PCB Waste Manifests				
1g	C & D Waste Manifests				

1h	Copies of NESHAPS waste manifest and bill of lading for friable asbestos.				
1i	Copies of NESHAPS waste manifest and bill of lading for non-friable asbestos.				
1j	Copies of Construction & Demolition (C&D) waste manifest and bill of lading.				

Asbestos Building Inspector, Management Planner, and Project Designer Certificate



APPENDIX A

1. LIMITED **ASBESTOS** SAMPLING/TESTING REPORT
2. AHERA 2022 THREE YEAR REINSPECTION HIGH SCHOOL

LIMITED **ASBESTOS** SAMPLING/TESTING REPORT

BK0525094. REV

JENNINGS ENVIRONMENTAL MANAGEMENT, INC.

Professional Environmental Consultants Since 19

Specializing In:
ASBESTOS SAMPLING, PROJECT DESIGN & PROJECT MANAGEM
LEAD SAMPLING, LEAD BASED-PAINT PLANS & PROJECT MANA
INDOOR AIR QUALITY ASSESSMENTS & PHASE 1 & II SITE ASSE

113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningsem

Received on 5/22/25

Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING/TESTING
CAPITAL PROJECT PHASE 2
HS, K-8 & TS BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

NOB - Non-Friable Organically Bound
PLM (198.1) - Polarized Light Microscopy
TEM (198.4) - Transmission Electron Micr
PLM (198.6) - Fiber Identification - Gravin
NAD - No Asbestos Detected
NA - Not Analyzed
DNPA - Do Not Prep Analyze

BUILDING: **JOHNSON CITY HIGH SCHOOL**

BF - Basement Floor
1F - First Floor
2F - Second Floor
C - Composite
3F - Thi
4F - Fou

NYSDOL Certified Asbestos Building Inspector: Wayne M. Jennings & Zachary McFadden
Dates of Sampling: 29, 30 April & 02, 03 May 2025

ASBESTOS SAMPLING & SUMMARY OF TESTING LOG

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1) %	TEM (198.4) %	PLM - NOB (198.6) %
HS-A-001	1F Toilet Room 106	1" x 1" Light Browm Ceramic Floor Tile (CFT)	F	X		
HS-A-002	1F Toilet Room 106	Mastic of 1" x 1" CFT	F	X		
HS-A-003	1F Toilet Room 106	1" x 1" Light Browm Ceramic Floor Tile (CFT)	F	X		
HS-A-004	1F Toilet Room 106	Mastic of 1" x 1" CFT	F	X		
HS-A-005	1F Toilet Room 106	C: Beige Vinyl Wall Covering/Adhesive	NOB		X	X
HS-A-006	1F Toilet Room 106	C: Beige Vinyl Wall Covering/Adhesive	NOB		X	X
HS-A-007	1F Toilet Room 106	4" x 4" Ceramic Wall Tile (CWT)	F	X		

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Received on 5/22/25

HS-A-008	1F Toilet Room 106	Grout of 4" x 4" CWT	F	X		
HS-A-009	1F Toilet Room 106	Yellow Mastic of 4" x 4" CWT	F	X		
HS-A-010	Serving Area 102G	Gray Glazing @ Door Window	F/NOB	X	X	X
HS-A-011	Serving Area 102G	Gray Glazing @ Door Window	F/NOB	X	X	X
HS-A-012	Serving Area 102G	2' x 4' Fissured Suspended Ceiling Tile (SCT	F/NOB	X	X	X
HS-A-013	Serving Area 102G	2' x 4' Fissured Suspended Ceiling Tile (SCT	F/NOB	X	X	X
HS-A-014	Serving Area 102G	6" x 6" Medium Brown CFT	F	X		
HS-A-015	Serving Area 102G	Grout of 6" x 6" Medium Brown CFT	F	X		
HS-A-016	Serving Area 102G	6" x 6" Medium Brown CFT	F	X		
HS-A-017	Serving Area 102G	Grout of 6" x 6" Medium Brown CFT	F	X		
HS-A-018	Serving Area 102G	4" Brown Resilient Cove Base	NOB		X	X
HS-A-019	Serving Area 102G	Mastic of 4" Brown Resilient Cove Base	NOB		X	X
HS-A-020	Serving Area 102G	4" Brown Resilient Cove Base	NOB		X	X
HS-A-021	Serving Area 102G	Mastif of 4" Brown Resilient Cove Base	NOB		X	X
HS-A-022	Cafeteria	1' x 1" Adhered Ceiling Tile	F/NOB	X	X	X
HS-A-023	Cafeteria	Mastic of 1' x 1' Adhered Ceiling Tile	NOB		X	X
HS-A-024	Cafeteria	1' x 1' Adhered Ceiling Tile	F/NOB	X	X	X

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HS-A-025	Cafeteria	Mastic of 1' x 1' Adhered Ceiling Tile	NOB		X	X
HS-A-026	Toilet 123	1" x 1" Gray CFT	F	X		
HS-A-027	Toilet 123	Grout of Gray CFT	F	X		
HS-A-028	Toilet 123	1" x 1" Gray CFT	F	X		
HS-A-029	Toilet 123	Grout of Gray CFT	F	X		
HS-A-030	Toilet 123	White Caulk @ Sinks	NOB		X	X
HS-A-031	Toilet 123	White Caulk @ Sinks	NOB		X	X
HS-A-032	Living Center 125G	4" Gray Resilient Cove Base	NOB		X	x
HS-A-033	Living Center 125G	Mastic of 4" Gray Resilient Cove Base	NOB		X	X
HS-A-034	Living Center 125G	4" Gray Resilient Cove Base	NOB		X	X
HS-A-035	Living Center 125G	Mastic of 4" Gray Resilient Cove Base	NOB		X	X
HS-A-036	Living Center 125G	C: 12" x 12" Brown/Tan/Red/Black Resilient Floor Tile and Mastic	NOB		X	X
HS-A-037	Living Center 125G	C: 12" x 12" Brown/Tan/Red/Black Resilient Floor Tile and Mastic	NOB		X	X
HS-A-038	Stage	Black Bituminous Covering (over 1/4" Composite Board)	NOB		X	X
HS-A-039	Stage	Black Bituminous Covering (over 1/4" Composite Board)	NOB		X	X
HS-A-040	Living Center 125F	Gray Window Caulk	NOB		X	X
HS-A-041	Living Center 125F	Gray Window Caulk	NOB		X	X

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HS-A-042	Auditorium Stage	Adhesive of Purple Carpet	NOB		X	X
HS-A-043	Auditorium Stage	Adhesive of Purple Carpet	NOB		X	X
HS-A-044	Auditorium	Acoustical Plaster @ Ceiling	F	X		
HS-A-045	Auditorium	Acoustical Plaster @ Ceiling	F	X		
HS-A-046	Auditorium	Acoustical Plaster @ Ceiling	F	X		
HS-A-047	Auditorium 142	C: White Vinyl Wall Covering/Adhesive	NOB		X	X
HS-A-048	Auditorium 142	C: White Vinyl Wall Covering/Adhesive	NOB		X	X
HS-A-049	Main Office	4" Brown Resilient Cove Base	NOB		X	X
HS-A-050	Main Office	Mastic of 4" Brown Resilient Cove Base	NOB		X	X
HS-A-051	Main Office	4" Brown Resilient Cove Base	NOB		X	X
HS-A-052	Main Office	Mastic of 4" Brown Resilient Cove Base	NOB		X	X
HS-A-053	Main Office	4" Black Resilient Cove Base	NOB		X	X
HS-A-054	Main Office	Mastic of 4" Black Resilient Cove Base	NOB		X	X
HS-A-055	Main Office	White Cementitious Glazing @ Window Wall	F	X	X	X
HS-A-056	Main Office	Black Cementitious Glazing @ Window Wall	F	X	X	X
HS-A-057	Exterior	White Window Caulk	NOB		X	X
HS-A-058	Exterior	White Window Caulk	NOB		X	X

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HS-A-059	Exterior	Red Brick Wall	F	X		
HS-A-060	Exterior	Mortar of Red Brick Wall	F	X		
HS-A-061	Exterior	Red Brick Wall	F	X		
HS-A-062	Exterior	Mortar of Red Brick Wall	F	X		
HS-A-063	Exterior	Black Bituminour Window Glazing	NOB		X	X
HS-A-064	Exterior	Black Bituminous Window Glazing	NOB		X	X
HS-A-065	Lobby	Terrazzo Floor	F	X		
HS-A-066	Lobby	Terrazzo Floor	F	X		
HS-A-067	Lobby	C: 12" x 12" Cream Resilient Floor Tile/Mastic	NOB		X	X
HS-A-068	Lobby	C: 12" x 12" Cream Resilient Floor Tile/Mastic	NOB		X	X
HS-A-069	Guidance 146	Black Mastic (under Maroon Carpet)	NOB		X	X
HS-A-070	Guidance 146	Blue/Yellow Mastic (under Maroon Carpet)	NOB			X
HS-A-071	Lecture Hall 122	Yellow Mastic (under Maroon Side Carpet)	NOB		X	X
HS-A-072	Lecture Hall 122	Yellow Mastic (under Maroon Side Carpet)	NOB		X	X
HS-A-073	Lecture Hall 122	Black/Yellow Mastic of 2' x 2 Rust Carpet	NOB		X	X
HS-A-074	Lecture Hall 122	Black/Yellow Mastic of 2' x 2 Rust Carpet	NOB		X	X
HS-A-075	Lecture Hall 122	Black Vapor Retarder of Fiberglass Wall Insulation (under Perforated Composite Board)	NOB		X	X

BK052594. REV

HS-A-093	Boys Locker Room 276A	C: 2" x 2" Light Brown CFT/Grout	F	X		
HS-A-094	Boys Locker Room 276A	C: 2" x 2" Light Brown CFT/Grout	F	X		
HS-A-095	Boys Coach 276C	C: Cementitious Shower Basin/Mastic	F/NOB	X	X	X
HS-A-096	Boys Coach 276C	C: Cementitious Shower Basin/Mastic	F/NOB	X	X	X
HS-A-097	Pool Area	Black Interior Window Glazing	NOB		X	X
HS-A-098	Pool Area	Black Interior Window Glazing	NOB		X	X
HS-A-099	Pool Area	2" x 2" White CWT	F	X		
HS-A-100	Pool Area	Grout of 2" x 2" White CWT	F	X		
HS-A-101	Pool Area	Vapor Retarder of 2" x 2" White CWT	NOB		X	X
HS-A-102	Pool Area	2" x 2" White CWT	F	X		
HS-A-103	Pool Area	Grout of 2" x 2" White CWT	F	X		
HS-A-104	Pool Area	Vapor Retarder of 2" x 2" White CWT	NOB		X	X
HS-A-105	Pool Area	Vented Cement Block Wall	F	X		
HS-A-106	Pool Area	Mortar of Vented Cement Block Waa	F	X		
HS-A-107	Pool Area	Vented Cement Block Wall	F	X		
HS-A-108	Pool Area	Mortar of Vented Cement Block Waa	F	X		
HS-A-109	Pool Area	C: 1" x 1" White CFT/Mortar	F	X		

BK0525094.R2V

HS-A-110	Pool Area	C: 1" x 1" White CFT/Mortar	F	X		
HS-A-111	Pool Area	Cementitious Glazing @ Red Window Frame	F/NOB	X	X	X
HS-A-112	Pool Area	Cementitious Glazing @ Red Window Frame	F/NOB	X	X	X

NYSDOL Certified Building Inspector:

NYSDOL Certified Building Inspector Certification #: 24-659D5-SHAB

BK0S2S094. REV

NYSDOL Certified Building Inspector:

Wayne M. Jennings

g Inspector Certification #: 24-659D5-SHAB

JENNINGS
ENVIRONMENTAL
MANAGEMENT, INC.

Professional Environmental Consultants Since 1981

Specializing In:
ASBESTOS SAMPLING, PROJECT DESIGN & PROJECT MANAGEMENT, LEAD SAMPLING, LEAD BASED-PAINT PLANS & PROJECT MANAGEMENT, INDOOR AIR QUALITY ASSESSMENTS & PHASE 1 & II SITE ASSESSMENTS

113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningseminc.com

CHAIN OF CUSTODY

BK05250 94

FORWARDED BY OVERNIGHT COURIER ON: Monday, 05 May 2025

TO: Ms. Jackie Darvish
Atlas Environmental Lab, Corp.
255 W. 36th Street
Suite 1503
New York, New York 10018

RE: Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING/TESTING
CAPITAL PROJECT PHASE 2
HS, K-8 & TC BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

ENCLOSURES:

53 Bulk material samples for analysis by PLM, EPA/600/R-93/116/NYS-DOH 198.1, in accordance with NYSDOH ELAP, AIHA and NVLAP.
74 Bulk material samples for analysis by TEM, ELAP 198.4, per NYSDOH ELAP, AIHA and NVLAP regulations and/or bulk material samples for analysis by PLM-NOB,
74 Bulk material samples for analysis by PLM/NOB, NYSDOH ELAP 198.6, by NYSDOH ELAP, AIHA and NVLAP regulations.

112 Total Number of Bulk Samples Enclosed

Comments:

Please forward by ELECTRONIC MAIL preliminary results to wjennings@jenningseminc.com and djennings@jenningseminc.com.

Refer to "ASBESTOS SAMPLING & SUMMARY OF TESTING LOG" for specifics of the analysis request. Analyze only per methodologies specified on this COC. Analysis constitutes a complete understanding of this statement by ATLAS ENVIRONMENTAL LAB CORP, its representatives, employees and/or agents.

TURNAROUND TIME: **Five (5) Days**, from receipt of samples

Sincerely,
JENNINGS ENVIRONMENTAL MANAGEMENT, INC.

Wayne M. Jennings

Wayne M. Jennings, MBA
President

Received 5/6/25 10AM
Tiffany C.
PLM- Leonardo Bydon 5/9/25
04:00 AM

COC-ACM BULK-JCHS-05MAY2025.JCCSD

Atlas Environmental Lab, Corp.
255 West 36th Street, Suite# 1503
New York, NY 10018
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Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Limited ACM, LP & PCB Sampling/Testing; Capital Project Phase 2 / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
Date Received: 5/6/2025
PLM Date Analyzed: 5/8/2025
TEM Date Analyzed: 5/9/2025
Report Date: 5/22/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-001	BK0525094-1	1F Toilet Room 106 | 1"x1" Light Brown Ceramic Floor Tile (CFT)	Beige, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-002	BK0525094-2	1F Toilet Room 106 | Mastic of 1"x1" CFT	Yellow, Homogeneous, Non-Fibrous	36.1	18.0	45.9	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-003	BK0525094-3	1F Toilet Room 106 | 1"x1" Light Brown Ceramic Floor Tile (CFT)	Beige, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-004	BK0525094-4	1F Toilet Room 106 | Mastic of 1"x1" CFT	Yellow, Homogeneous, Non-Fibrous	49.6	31.4	19.0	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-005	BK0525094-5	1F Toilet Room 106 | C: Beige Vinyl Wall Covering/Adhesive	Beige, Homogeneous, Non-Fibrous	83.2	3.8	13.1	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-006	BK0525094-6	1F Toilet Room 106 | C: Beige Vinyl Wall Covering/Adhesive	Beige, Homogeneous, Non-Fibrous	83.2	3.3	13.5	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-007	BK0525094-7	1F Toilet Room 106 | 4"x4" Ceramic Wall Tile (CWT)	White, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-008	BK0525094-8	1F Toilet Room 106 | Grout of 4"x4" CWT	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-009	BK0525094-9	1F Toilet Room 106 | Yellow Mastic of 4"x4" CWT	Yellow, Homogeneous, Non-Fibrous	56.6	34.8	8.6	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-010	BK0525094-10	Serving area 102G | Grey Glazing @ Door Window	Grey, Homogeneous, Non-Fibrous	25.0	5.8	69.2	0%	~99%	**Trace (<1%)CHRY** Inconclusive	**1.2%CHRY**		X	X

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Bulk Asbestos Report by PLM-TEM

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Collected by: Client
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Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
Date Received: 5/6/2025
PLM Date Analyzed: 5/8/2025
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							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-011	BK0525094-11	Serving Area 102G | Grey Glazing@ Door Window	Grey, Homogeneous, Non-Fibrous	18.9	6.4	74.6	0%	~99%	**Trace (<1%)CHRY** Inconclusive	**1.3%CHRY**		X	X
HS-A-012	BK0525094-12	Serving Area 102G | 2'x4' Fissured Suspended Ceiling Tile (SCT)	Grey, Homogeneous, Non-Fibrous	2.5	47.9	49.6	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-013	BK0525094-13	Serving Area 102G | 2'x4' Fissured Suspended Ceiling Tile (SCT	Grey, Homogeneous, Non-Fibrous	1.8	82.7	15.5	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-014	BK0525094-14	Serving Area 102G | 6"x6" Medium Brown CFT	Brown, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-015	BK0525094-15	Serving Area 102G | Grout of 6"x6" Medium Brown CFT	Brown, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-016	BK0525094-16	Serving Area 102G | 6"x6" Medium Brown CFT	Brown, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-017	BK0525094-17	Serving Area 102G | Grout of 6"x6" Medium Brown CFT	Brown, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-018	BK0525094-18	Serving Area 102G | 4" Brown Resilient Cove Base	Brown, Homogeneous, Non-Fibrous	58.8	5.9	35.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-019	BK0525094-19	Serving Area 102G | Mastic of 4" Brown Resilient Cove Base	Tan, Homogeneous, Non-Fibrous	37.0	15.5	47.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-020	BK0525094-20	Serving Area 102G | 4" Brown Resilient Cove Base	Brown, Homogeneous, Non-Fibrous	56.0	4.4	39.5	0%	100%	**NAD** Inconclusive	**NAD**		X	X

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Bulk Asbestos Report by PLM-TEM

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Collected by: Client
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Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
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Report Date: 5/22/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-021	BK0525094-21	Serving Area 102G | Mastic of 4" Brown Resilient Cove Base	Tan, Homogeneous, Non-Fibrous	45.5	20.6	33.9	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-022	BK0525094-22	Cafeteria | 1'x1' Adhered Ceiling Tile	Light Grey, Homogeneous, Friable	Not Applicable			10%CELL 10%FBGL	80%	**NAD**		X		
HS-A-023	BK0525094-23	Cafeteria | Mastic of 1'x1' Adhered Ceiling Tile	Brown, Homogeneous, Non-Fibrous	27.6	39.9	32.5	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-024	BK0525094-24	Cafeteria | 1'x1' Adhered Ceiling Tile	Light Grey, Homogeneous, Friable	Not Applicable			10%CELL 10%FBGL	80%	**NAD**		X		
HS-A-025	BK0525094-25	Cafeteria | Mastic of 1'x1' Adhered Ceiling Tile	Brown, Homogeneous, Non-Fibrous	48.9	49.6	1.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-026	BK0525094-26	Toilet 123 | 1"x1" Grey CFT	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-027	BK0525094-27	Toilet 123 | Grout of Grey CFT	Brown, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-028	BK0525094-28	Toilet 123 | 1"x1" Grey CFT	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-029	BK0525094-29	Toilet 123 | Grout of Grey CFT	Brown, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-030	BK0525094-30	Toilet 123 | White Caulk @ Sinks	White, Homogeneous, Non-Fibrous	38.9	4.2	56.9	0%	100%	**NAD** Inconclusive	**NAD**		X	X

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Project Name/No.: Limited ACM, LP & PCB Sampling/Testing; Capital Project Phase 2 / JEM# 225-026.JCCSD
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Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
Date Received: 5/6/2025
PLM Date Analyzed: 5/8/2025
TEM Date Analyzed: 5/9/2025
Report Date: 5/22/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-031	BK0525094-31	Toilet 123 | White Caulk @ Sinks	White, Homogeneous, Non-Fibrous	41.5	5.9	52.6	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-032	BK0525094-32	Living Center 125G | 4" Grey Resilient Cove Base	Grey, Homogeneous, Non-Fibrous	66.6	8.2	25.2	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-033	BK0525094-33	Living Center 125G | Mastic of 4" Grey Resilient Cove Base	Tan, Homogeneous, Non-Fibrous	71.7	23.2	5.1	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-034	BK0525094-34	Living Center 125G | 4" Grey Resilient Cove Base	Grey, Homogeneous, Non-Fibrous	80.6	2.6	16.7	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-035	BK0525094-35	Living Center 125G | Mastic of 4" Grey Resilient Cove Base	Tan, Homogeneous, Non-Fibrous	72.8	22.9	4.3	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-036	BK0525094-36	Living Center 125G | C: 12"x12" Brown/Tan/Red/Black Resilient Floor Tile and Mastic	Grey, Homogeneous, Non-Fibrous	25.5	26.3	48.2	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-037	BK0525094-37	Living Center 125G | C: 12"x12" Brown/Tan/Red/Black Resilient Floor Tile and Mastic	Grey, Homogeneous, Non-Fibrous	25.6	30.6	43.9	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-038	BK0525094-38	Stage | Black Bituminous Covering (over ¼" Composite Board)	Black, Homogeneous, Non-Fibrous	94.1	4.2	1.7	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-039	BK0525094-39	Stage | Black Bituminous Covering (over ¼" Composite Board)	Black, Homogeneous, Non-Fibrous	91.1	6.4	2.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-040	BK0525094-40	Living Room Center 125F | Grey Window Caulk	Grey, Homogeneous, Non-Fibrous	48.9	14.6	36.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X

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							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-041	BK0525094-41	Living Room Center 125F | Grey Window Caulk	Grey, Homogeneous, Non-Fibrous	75.5	8.4	16.1	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-042	BK0525094-42	Auditorium Stage | Adhesive of Purple Carpet	Purple, Homogeneous, Non-Fibrous	55.3	3.1	41.7	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-043	BK0525094-43	Auditorium Stage | Adhesive of Purple Carpet	Purple, Homogeneous, Non-Fibrous	56.2	2.2	41.6	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-044	BK0525094-44	Auditorium | Acoustical Plaster @ Ceiling	White, Homogeneous, Friable	Not Applicable			30%FBGL	70%	**NAD**		X		
HS-A-045	BK0525094-45	Auditorium | Acoustical Plaster @ Ceiling	White, Homogeneous, Friable	Not Applicable			30%FBGL	70%	**NAD**		X		
HS-A-046	BK0525094-46	Auditorium | Acoustical Plaster @ Ceiling	White, Homogeneous, Friable	Not Applicable			30%FBGL	70%	**NAD**		X		
HS-A-047	BK0525094-47	Auditorium 142 | C: White Vinyl Wall Covering/Adhesive	White/Tan, Homogeneous, Non-Fibrous	87.7	9.5	2.8	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-048	BK0525094-48	Auditorium 142 | C: White Vinyl Wall Covering/Adhesive	White/Tan, Homogeneous, Non-Fibrous	78.2	11.0	10.7	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-049	BK0525094-49	Main Office | 4" Brown Resilient Cove Base	Brown, Homogeneous, Non-Fibrous	45.4	46.5	8.1	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-050	BK0525094-50	Main Office | Mastic of 4" Brown Resilient Cove Base	Tan, Homogeneous, Non-Fibrous	17.1	37.5	45.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X

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							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-051	BK0525094-51	Main Office | 4" Brown Resilient Cove Base	Brown, Homogeneous, Non-Fibrous	49.2	49.6	1.2	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-052	BK0525094-52	Main Office | Mastic of 4" Brown Resilient Cove Base	Tan, Homogeneous, Non-Fibrous	32.9	36.0	31.1	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-053	BK0525094-53	Main Office | 4" Black Resilient Cove Base	Black, Homogeneous, Non-Fibrous	83.8	2.7	13.5	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-054	BK0525094-54	Main Office | Mastic of 4" Black Resilient Cove Base	Off-White, Homogeneous, Non-Fibrous	50.2	46.0	3.8	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-055	BK0525094-55	Main Office | White Cementitious Glazing @ Window Wall	White, Homogeneous, Non-Fibrous	16.9	10.7	72.4	0%	~99%	**Trace (<1%)CHRY** Inconclusive	**1.1%CHRY**		X	X
HS-A-056	BK0525094-56	Main Office | White Cementitious Glazing @ Window Wall	Insufficient Material										
HS-A-057	BK0525094-57	Exterior | White Window Caulk	Light Grey, Homogeneous, Non-Fibrous	47.6	3.7	48.6	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-058	BK0525094-58	Exterior | White Window Caulk	Light Grey, Homogeneous, Non-Fibrous	45.2	4.5	50.3	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-059	BK0525094-59	Exterior | Red Brick Wall	Red, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-060	BK0525094-60	Exterior | Mortar of Red Brick Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		

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Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-061	BK0525094-61	Exterior | Red Brick Wall	Red, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-062	BK0525094-62	Exterior | Mortar of Red Brick Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-063	BK0525094-63	Exterior | Black Bituminous Window Glazing	Black, Homogeneous, Non-Fibrous	76.8	7.4	15.8	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-064	BK0525094-64	Exterior | Black Bituminous Window Glazing	Black, Homogeneous, Non-Fibrous	85.5	2.1	12.4	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-065	BK0525094-65	Lobby | Terrazzo Floor	White/Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-066	BK0525094-66	Lobby | Terrazzo Floor	White/Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-067	BK0525094-67A	Lobby | C: 12"x12" Cream Resilient Floor Tile/Mastic	Cream, Homogeneous, Non-Fibrous	21.7	3.2	75.1	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-067	BK0525094-67B	Lobby | C: 12"x12" Cream Resilient Floor Tile/Mastic	Insufficient Material										
HS-A-068	BK0525094-68A	Lobby | C: 12"x12" Cream Resilient Floor Tile/Mastic	Cream, Homogeneous, Non-Fibrous	63.0	4.3	32.7	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-068	BK0525094-68B	Lobby | C: 12"x12" Cream Resilient Floor Tile/Mastic	Insufficient Material										

Atlas Environmental Lab, Corp.
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New York, NY 10018
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Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Limited ACM, LP & PCB Sampling/Testing; Capital Project Phase 2 / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
Date Received: 5/6/2025
PLM Date Analyzed: 5/8/2025
TEM Date Analyzed: 5/9/2025
Report Date: 5/22/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-069	BK0525094-69	Guidance 146 | Black Mastic (under Maroon Carpet)	Tan, Homogeneous, Non-Fibrous	67.0	18.6	14.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-070	BK0525094-70	Guidance 146 | Blue/Yellow Mastic (under Maroon Carpet)	Tan, Homogeneous, Non-Fibrous	66.6	30.8	2.6	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-071	BK0525094-71	Lecture Hall 122 | Yellow Mastic (under Maroon Side Carpet)	Yellow, Homogeneous, Non-Fibrous	92.1	7.0	0.9	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-072	BK0525094-72	Lecture Hall 122 | Yellow Mastic (under Maroon Side Carpet)	Yellow, Homogeneous, Non-Fibrous	87.9	8.6	3.5	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-073	BK0525094-73	Lecture Hall 122 | Black/Yellow Mastic of 2'x2 Rust Carpet	Black/Yellow, Homogeneous, Non-Fibrous	74.7	23.4	1.8	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-074	BK0525094-74	Lecture Hall 122 | Black/Yellow Mastic of 2'x2 Rust Carpet	Black/Yellow, Homogeneous, Non-Fibrous	66.3	30.0	3.8	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-075	BK0525094-75	Lecture Hall | Black Vapor Retarder of Fiberglass Wall Insulation (under Perforated Composite Board)	Black, Homogeneous, Non-Fibrous	71.3	13.6	15.1	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-076	BK0525094-76	Lecture Hall | Black Vapor Retarder of Fiberglass Wall Insulation (under Perforated Composite Board)	Black, Homogeneous, Non-Fibrous	63.6	16.0	20.4	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-077	BK0525094-77	Lecture Hall | Black Vapor Retarder of Fiberglass Wall Insulation (under Perforated Composite Board)	Black, Homogeneous, Non-Fibrous	70.2	12.7	17.1	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-078	BK0525094-78	Pool Boiler Room 193A | Acoustical Spray Fireproofing @ Ceiling	Grey, Homogeneous, Friable	Not Applicable			100%FBGL	0%	**NAD**		X		

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Bulk Asbestos Report by PLM-TEM

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Collected by: Client
Project Name/No.: Limited ACM, LP & PCB Sampling/Testing; Capital Project Phase 2 / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
Date Received: 5/6/2025
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TEM Date Analyzed: 5/9/2025
Report Date: 5/22/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-079	BK0525094-79	Pool Boiler Room 193A | Acoustical Spray Fireproofing @ Ceiling	Grey, Homogeneous, Friable	Not Applicable			100%FBGL	0%	**NAD**		**X**		
HS-A-080	BK0525094-80	Pool Boiler Room 193A | Acoustical Spray Fireproofing @ Ceiling	Grey, Homogeneous, Friable	Not Applicable			100%FBGL	0%	**NAD**		**X**		
HS-A-081	BK0525094-81	Pool Boiler Room 193A | Grey Sealant at Ductwork	Grey, Homogeneous, Non-Fibrous	42.0	17.1	40.9	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-082	BK0525094-82	Pool Boiler Room 193A | Grey Sealant at Ductwork	Grey, Homogeneous, Non-Fibrous	42.9	14.6	42.5	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-083	BK0525094-83	Pool Boiler Room 193A | Grey Caulk @ Exterior Laddar Chase 193A	Insufficient Material										
HS-A-084	BK0525094-84	Pool Boiler Room 193A | Grey Caulk @ Exterior Laddar Chase 193A	Insufficient Material										
HS-A-085	BK0525094-85	Pool Gymnasium 281 | C: Black Bituminous Vapor Retarder (under 1st Layer Wood Flooring)	Black, Homogeneous, Non-Fibrous	58.7	4.4	37.0	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-086	BK0525094-86	Pool Gymnasium 281 | C: Black Bituminous Vapor Retarder (under 1st Layer Wood Flooring)	Black, Homogeneous, Non-Fibrous	87.6	4.3	8.1	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-087	BK0525094-87	Pool Gymnasium 281 | 1/4" Black Bituminous Curved Cove Base	Black, Homogeneous, Non-Fibrous	42.2	52.0	5.7	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-088	BK0525094-88	Pool Gymnasium 281 | Mastic of 1/4" Black Bituminous Curved Cove Base	Tan, Homogeneous, Non-Fibrous	71.1	27.6	1.3	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**

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Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Limited ACM, LP & PCB Sampling/Testing; Capital Project Phase 2 / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
Date Received: 5/6/2025
PLM Date Analyzed: 5/8/2025
TEM Date Analyzed: 5/9/2025
Report Date: 5/22/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-089	BK0525094-89	Pool Gymnasium 281 | 1/4" Black Bituminous Curved Cove Base	Black, Homogeneous, Non-Fibrous	42.9	44.3	12.7	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-090	BK0525094-90	Pool Gymnasium 281 | Mastic of 1/4" Black Bituminous Curved Cove Base	Tan, Homogeneous, Non-Fibrous	66.4	31.7	1.9	0%	100%	**NAD** Inconclusive	**NAD**		X	X
HS-A-091	BK0525094-91	Boys' Locker Room 276A | C: Gypsum Board/Vapor Retarder/Adhesive (behind CWT @ Shower)	Brown, Homogeneous, Friable	Not Applicable			30%FBGL	70%	**NAD**		X		
HS-A-092	BK0525094-92A	Boys' Locker Room 276A | C: Gypsum Board/Vapor Retarder/Adhesive (behind CWT @ Shower)	Brown, Homogeneous, Friable	Not Applicable			30%FBGL	70%	**NAD**		X		
HS-A-092	BK0525094-92B	Boys' Locker Room 276A | C: Gypsum Board/Vapor Retarder/Adhesive (behind CWT @ Shower)	Light Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-093	BK0525094-93A	Boys' Locker Room 276A | C: 2"x2" Light Brown CFT/Glue	Beige, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-093	BK0525094-93B	Boys' Locker Room 276A | C: 2"x2" Light Brown CFT/Glue	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-094	BK0525094-94A	Boys' Locker Room 276A | C: 2"x2" Light Brown CFT/Glue	Beige, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-094	BK0525094-94B	Boys' Locker Room 276A | C: 2"x2" Light Brown CFT/Glue	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		
HS-A-095	BK0525094-95	Boys Coach 276C | C: Cementitious Shower Basin/Mastic	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		X		

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Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Limited ACM, LP & PCB Sampling/Testing; Capital Project Phase 2 / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: Johnson City Central School District; HS, K-8 & TC Buildings

Lab ID: BK0525094.REV
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Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-096	BK0525094-96	Boys Coach 276C | C: Cementitious Shower Basin/Mastic	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-097	BK0525094-97	Pool Area | Black Interior Window Glazing	Black, Homogeneous, Non-Fibrous	81.9	3.3	14.8	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-098	BK0525094-98	Pool Area | Black Interior Window Glazing	Black, Homogeneous, Non-Fibrous	83.6	7.0	9.5	0%	100%	**NAD** Inconclusive	**NAD**		**X**	**X**
HS-A-099	BK0525094-99	Pool Area | 2"x2" White CWT	White, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-100	BK0525094-100	Pool Area | Grout of 2"x2" White CWT	White, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-101	BK0525094-101	Pool Area | Vapor Retarder of 2"x2" White CWT	Insufficient Material										
HS-A-102	BK0525094-102	Pool Area | 2"x2" White CWT	White, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-103	BK0525094-103	Pool Area | Grout of 2"x2" White CWT	White, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		
HS-A-104	BK0525094-104	Pool Area | Vapor Retarder of 2"x2" White CWT	Insufficient Material										
HS-A-105	BK0525094-105	Pool Area | Vented Cement Block Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	**NAD**		**X**		

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Project Address: 666 Reynolds Road, Johnson City, New York
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Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	AII %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-106	BK0525094-106	Pool Area | Mortar of Vented Cement Block Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-107	BK0525094-107	Pool Area | Vented Cement Block Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-108	BK0525094-108	Pool Area | Mortar of Vented Cement Block Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-109	BK0525094-109A	Pool Area | C: 1"x1" White CFT/Mortar	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-109	BK0525094-109B	Pool Area | C: 1"x1" White CFT/Mortar	Brown, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-110	BK0525094-110A	Pool Area | C: 1"x1" White CFT/Mortar	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-110	BK0525094-110B	Pool Area | C: 1"x1" White CFT/Mortar	Brown, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-111	BK0525094-111	Pool Area | Cementitious Glazing @ Red Window Frame	Red/Grey, Homogeneous, Friable	Not Applicable			0%	97.5%	2.5%CHRY		X		
HS-A-112	BK0525094-112	Pool Area | Cementitious Glazing @ Red Window Frame	Red/Grey, Homogeneous, Friable	Not Applicable			0%	96%	4%CHRY		X		

AH

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.
NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophylite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.
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.
All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".
ORG%=Ashed Organic%, AII= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%
This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL .Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance . AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.
NYS-ELAP#11999, NVLAP Lab Code: 500092-0, CT ID: PH-0154
PLM Analyst: LB TEM Analyst: VR Approved by:

JENNINGS
ENVIRONMENTAL
MANAGEMENT, INC.

Professional Environmental Consultants Since 1981

Specializing In:
ASBESTOS SAMPLING, PROJECT DESIGN & PROJECT MANAGEMENT,
LEAD SAMPLING, LEAD BASED-PAINT PLANS & PROJECT MANAGEMENT,
INDOOR AIR QUALITY ASSESSMENTS & PHASE 1 & II SITE ASSESSMENTS

113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningseminc.com

19 August 2025

TRANSMITTAL FINAL REPORT – SECOND ROUND (JULY & AUGUST - 2025)

Gene Hulbert, Jr., P.E.
President
Hulbert Engineering and Land Surveying, DPC
33 Lewis Road
Binghamton, New York 13905

Re: Johnson City Central School District
CAPITAL PROJECT – PHASE 2
HS, K-8 & TB BUILDINGS
ACM, LBP & PCB SAMPLING/TESTING
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

ENCLOSURES:

1. "Chain of Custody", to Testing Lab (Jennings Environmental)
2. "Asbestos Sampling and Summary of Testing Log", to Testing Lab (Jennings Environmental)
3. Testing Laboratory's "Chain of Custody" and "Asbestos Sampling and Summary of Testing Log" (Atlas Environmental)
4. Testing Laboratory "Bulk Asbestos Report by PLM-TEM" (Atlas Environmental)

COMMENTS:

1. At the request of Mr. G. Hulbert, Jennings Environmental, was asked to assist Zachary McFadden (Hulbert Engineering) to perform additional (Second Round) of environmental inspections, sampling/testing and quantity estimates of known and suspected Asbestos-Containing Material. Additional, the inspections included determination of areas deemed to be Asbestos Incidental Disturbances (AID) requiring NYSDOL Site Specific Variance for the Capital Project

2. These activities were performed during the months of July and August, subsequent to drawing revisions conducted by Highland Associates.

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3. **ASBESTOS SAMPLING/TESTING OF "SECOND ROUND":**
   Miscellaneous sampling/testing of interior spaces and roofing indicated "No Asbestos Detected" and we are pleased to state:

   The suspect asbestos samples materials collected were determined NOT to be asbestos-containing materials (ACM's), as sampled by ***Jennings Environmental*** *and determined by laboratory testing.*

   Kindly refer to our **"Asbestos Sampling & Summary of Testing Logs"**, enclosed hereinafter for specifics of materials sampled negative for asbestos content.

4. **Jennings Environmental** routinely recommends to School Districts the sampling/testing of New Construction Materials for Asbestos, Lead and PCB's for renovation projects, and we have found presence of Asbestos, Lead and PCB's in New Construction Materials. **Jennings Environmental** recommends Johnson City Central School District considers sampling/testing of New Construction Materials and budget accordingly for future renovation and alteration projects.

5. In fact, the New Construction Material Testing of materials and products at the HS, K-8 and TS substantially reduced the costs of inspections and sampling/testing during the investigations related to this upcoming Project. It is reasonable the similar cost savings would be cost effective in future Capital Projects.

Respectively submitted,

Wayne M. Jennings

Wayne M. Jennings, MBA
President

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113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningseminc.com

CHAIN OF CUSTODY

FORWARDED BY OVERNIGHT COURIER ON: Friday, 08 August 2025

TO: Ms. Jackie Darvish
Atlas Environmental Lab, Corp.
255 W. 36th Street
Suite 1503
New York, New York 10018

RE: Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING/TESTING
CAPITAL PROJECT PHASE 2
HS, K-8 & TC BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

ENCLOSURES:

14 Bulk material samples for analysis by PLM, EPA/600/R-93/116/NYS-DOH 198.1, in accordance with NYSDOH ELAP, AIHA and NVLAP.
14 Bulk material samples for analysis by TEM, ELAP 198.4, per NYSDOH ELAP, AIHA and NVLAP regulations and/or bulk material samples for analysis by PLM-NOB,
14 Bulk material samples for analysis by PLM/NOB, NYSDOH ELAP 198.6, by NYSDOH ELAP, AIHA and NVLAP regulations.

22 Total Number of Bulk Samples Enclosed

Comments:

Please forward by ELECTRONIC MAIL preliminary results to wjennings@jenningseminc.com and djennings@jenningseminc.com.

Refer to "ASBESTOS SAMPLING & SUMMARY OF TESTING LOG" for specifics of the analysis request. Analyze only per methodologies specified on this COC. Analysis constitutes a complete understanding of this statement by ATLAS ENVIRONMENTAL LAB CORP, its representatives, employees and/or agents.

TURNAROUND TIME: **Five (5) Days**, from receipt of samples

Sincerely,
JENNINGS ENVIRONMENTAL MANAGEMENT, INC.

Wayne M. Jennings

Wayne M. Jennings, MBA
President

JENNINGS ENVIRONMENTAL MANAGEMENT, INC.

Professional Environmental Consultants Since i

Specializing In:
ASBESTOS SAMPLING, PROJECT DESIGN & PROJECT MANAG
LEAD SAMPLING, LEAD BASED-PAINT PLANS & PROJECT MA
INDOOR AIR QUALITY ASSESSMENTS & PHASE 1 & II SITE AS

113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningse

Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING//TESTING SURVEY
CAPITAL PROJECT PHASE 2
HS, K-8 & TS BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

Building: HIGH SCHOOL

Building Inspectors: Wayne M. Jennings & Zachary McFadden
Dates of Sampling: 24, 31 July & 07 August 2025

F - Friable
NOB - Non-Friable Organically B
PLM (198.1) - Polarized Light Mi
TEM (198.4) - Transmission Elect
PLM (198.6) - Fiber Identification
NAD - No Asbestos Detected
NA - Not Analyzed
SP - Stop at First Positive
C - Composite
BF - Basement Floor
1F- First Floor
2F - Second Floor
OB - Original Building
AD - Addition

ASBESTOS SAMPLING & SUMMARY OF TESTING LOG

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1)	TEM (198.4)	TEM (198.6)
HS-A-001	1F Janitor's Closet 177	C: 6" by 6" Brown Resilient Cove Base/Mastic	NOB		X	X
HS-A-002	1F Janitor's Closet 177	C: 6" by 6" Brown Resilient Cove Base/Mastic	NOB		X	X
HS-A-003	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F/NOB	X	X	X
HS-A-004	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F/NOB	X	X	X
HS-A-005	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F/NOB	X	X	X
HS-A-006	1F Corridor 180	4" x 4" Whitish Cream Ceramic Wall Tile	F	X		
HS-A-007	1F Corridor 180	4" x 4" Whitish Cream Ceramic Wall Tile	F	X		
HS-A-008	1F Corridor 180	Mastic of 4" x 4" Whitish Cream Ceramic Wall Tile	NOB		X	X

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1)	TEM (198.4)	TEM (198.6)
HS-A-009	1F Corridor 180	Mastic of 4" x 4" Whitish Cream Ceramic Wall Tile	NOB		X	X
HS-A-010	1F Janitor's Closet 177	Composite Board at Wall	F	X		
HS-A-011	1F Janitor's Closet 177	Composite Board at Wall	F	X		
HS-A-012	1F Room 18	4" x 4" Cream Ceramic Wall Tile	F	X		
HS-A-013	1F Room 18	4" x 4" Cream Ceramic Wall Tile	F	X		
HS-A-014	1F Pool Mechanical Room	Substrate Coat @ Wall	F	X		
HS-A-015	1F Pool Mechanical Room	Substrate Coat @ Wall	F	X		
HS-A-016	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F/NOB	X	X	X
HS-A-017	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F/NOB	X	X	X
HS-A-018	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F/NOB	X	X	X
HS-A-019	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic & Nailed Pin Mastic on HVAC Ductwork	NOB		X	X
HS-A-020	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic & Nailed Pin Mastic on HVAC Ductwork	NOB		X	X
HS-A-021	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic on HVAC Ductwork	NOB		X	X
HS-A-022	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic on HVAC Ductwork	NOB		X	X

NYSDOL Certified Building Inspector: Wayne M. Jenning

NYSDOL Certification # 24.659D5.SHAB

JENNINGS ENVIRONMENTAL MANAGEMENT, INC.

Professional Environmental Consultants Since 1981

Specializing In:
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LEAD SAMPLING, LEAD BASED-PAINT PLANS & PROJECT MANAGEMENT,
INDOOR AIR QUALITY ASSESSMENTS & PHASE 1 & II SITE ASSESSMENTS

113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningseminc.com

CHAIN OF CUSTODY

FORWARDED BY OVERNIGHT COURIER ON: Friday, 08 August 2025

BK0825195

TO: Ms. Jackie Darvish
Atlas Environmental Lab, Corp.
255 W. 36th Street
Suite 1503
New York, New York 10018

RE: Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING/TESTING
CAPITAL PROJECT PHASE 2
HS, K-8 & TC BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

ENCLOSURES:

14	Bulk material samples for analysis by PLM, EPA/600/R-93/116/NYS-DOH 198.1, in accordance with NYSDOH ELAP, AIHA and NVLAP.
14	Bulk material samples for analysis by TEM, ELAP 198.4, per NYSDOH ELAP, AIHA and NVLAP regulations and/or bulk material samples for analysis by PLM-NOB,
14	Bulk material samples for analysis by PLM/NOB, NYSDOH ELAP 198.6, by NYSDOH ELAP, AIHA and NVLAP regulations.
22	**Total Number of Bulk Samples Enclosed**

Comments:

Please forward by ELECTRONIC MAIL preliminary results to wjennings@jenningseminc.com and djennings@jenningseminc.com.

Refer to "ASBESTOS SAMPLING & SUMMARY OF TESTING LOG" for specifics of the analysis request. Analyze only per methodologies specified on this COC. Analysis constitutes a complete understanding of this statement by ATLAS ENVIRONMENTAL LAB CORP, its representatives, employees and/or agents.

TURNAROUND TIME: **Five (5) Days**, from receipt of samples

Sincerely,
JENNINGS ENVIRONMENTAL MANAGEMENT, INC.

Wayne M. Jennings

Wayne M. Jennings, MBA
President

samples received by Delaine Foy 8/11/25

JEM 081525 11:40am

Luis Reyna 8/12/25 10:00

COC-ACM BULK-JCHS-08AUG2025.JCCSD

CHECK HERE FOR MOBILE OR REMOTE DEPOSIT ONLY
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BX0875195

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LEAD SAMPLING, LEAD BASED-PAINT PLANS & PROJECT MA
INDOOR AIR QUALITY ASSESSMENTS & PHASE 1 & II SITE AS

113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningse

Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING//TESTING SURVEY
CAPITAL PROJECT PHASE 2
HS, K-8 & TS BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

Building: HIGH SCHOOL

Building Inspector: Wayne M. Jennings
Dates of Sampling: 24 July and 08 August 2025

F - Friable
NOB - Non-Friable Organically B
PLM (198.1) - Polarized Light Mi
TEM (198.4) - Transmission Elect
PLM (198.6) - Fiber Identification
NAD - No Asbestos Detected
NA - Not Analyzed
SP - Stop at First Positive
C - Composite
BF - Basement Floor
1F- First Floor
2F - Second Floor
OB - Original Building
AD - Addition

ASBESTOS SAMPLING & SUMMARY OF TESTING LOG

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1)	TEM (198.4)	TEM (198.6)
HS-A-001	1F Janitor's Closet 177	C: 6" by 6" Brown Resilient Cove Base/Mastic	NOB		X	X
HS-A-002	1F Janitor's Closet 177	C: 6" by 6" Brown Resilient Cove Base/Mastic	NOB		X	X
HS-A-003	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F/NOB	X	X	X
HS-A-004	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F/NOB	X	X	X
HS-A-005	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F/NOB	X	X	X
HS-A-006	1F Corridor 180	4" x 4" Whitish Cream Ceramic Wall Tile	F	X		
HS-A-007	1F Corridor 180	4" x 4" Whitish Cream Ceramic Wall Tile	F	X		
HS-A-008	1F Corridor 180	Mastic of 4" x 4" Whitish Cream Ceramic Wall Tile	NOB		X	X

Luis Duran 8/12/25 10:00

BK0825195

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1)	TEM (198.4)	TEM (198.6)
HS-A-009	1F Corridor 180	Mastic of 4" x 4" Whitish Cream Ceramic Wall Tile	NOB		X	X
HS-A-010	1F Janitor's Closet 177	Composite Board at Wall	F	X		
HS-A-011	1F Janitor's Closet 177	Composite Board at Wall	F	X		
HS-A-012	1F Room 18	4" x 4" Cream Ceramic Wall Tile	F	X		
HS-A-013	1F Room 18	4" x 4" Cream Ceramic Wall Tile	F	X		
HS-A-014	1F Pool Mechanical Room	Substrate Coat @ Wall	F	X		
HS-A-015	1F Pool Mechanical Room	Substrate Coat @ Wall	F	X		
HS-A-016	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F/NOB	X	X	X
HS-A-017	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F/NOB	X	X	X
HS-A-018	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F/NOB	X	X	X
HS-A-019	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic & Nailed Pin Mastic on HVAC Ductwork	NOB		X	X
HS-A-020	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic & Nailed Pin Mastic on HVAC Ductwork	NOB		X	X
HS-A-021	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic on HVAC Ductwork	NOB		X	X
HS-A-022	Roof	C: White, Black Resilient Covering with Foil-Faced Jacketing/Mastic on HVAC Ductwork	NOB		X	X

NYSDOL Certified Building Inspector: Wayne M. Jenning

NYSDOL Certification # 24.659D5.SHAB

Kris Rogers 8/12/25 10:00

JENNINGS
ENVIRONMENTAL
MANAGEMENT, INC.

Professional Environmental Consultants Since 1

Specializing In:
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Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING//TESTING SURVEY
CAPITAL PROJECT PHASE 2
HS, K-8 & TS BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

Building: HIGH SCHOOL

Building Inspector: Wayne M. Jennings
Dates of Sampling: 24 July and 08 August 2025

F - Friable
NOB - Non-Friable Organically B
PLM (198.1) - Polarized Light Mi
TEM (198.4) - Transmission Elect
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NAD - No Asbestos Detected
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BF - Basement Floor
1F- First Floor
2F - Second Floor
OB - Original Building
AD - Addition

ASBESTOS SAMPLING & SUMMARY OF TESTING LOG

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1)	TEM (198.4)	TEM (198.6)
HS-A-001-1A	1F Janitor's Closet 177	6" by 6" Brown Resilient Cove Base	NOB		NAD	NAD
HS-A-001-1B	1F Janitor's Closet 177	Mastic of 6" by 6" Brown Resilient Cove Base	NOB		NAD	NAD
HS-A-002-2A	1F Janitor's Closet 177	6" by 6" Brown Resilient Cove Base	NOB		NAD	NAD
HS-A-002-2B	1F Janitor's Closet 177	Mastic of 6" by 6" Brown Resilient Cove Base/Mastic	NOB		NAD	NAD
HS-A-003	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F	NAD		
HS-A-004	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F	NAD		
HS-A-005	1F Janitor's Closet 177	Textured White Finish Coat Plaster at Wall	F	NAD		
HS-A-006	1F Corridor 180	4" x 4" Whitish Cream Ceramic Wall Tile	F	NAD		

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1)	TEM (198.4)	TEM (198.6)
HS-A-007	1F Corridor 180	4" x 4" Whitish Cream Ceramic Wall Tile	F	NAD		
HS-A-008	1F Corridor 180	Mastic of 4" x 4" Whitish Cream Ceramic Wall Tile	NOB		NAD	NAD
HS-A-009	1F Corridor 180	Mastic of 4" x 4" Whitish Cream Ceramic Wall Tile	NOB		NAD	NAD
HS-A-010	1F Janitor's Closet 177	Composite Board at Wall	F	NAD		
HS-A-011	1F Janitor's Closet 177	Composite Board at Wall	F	NAD		
HS-A-012	1F Corridor 180	4" x 4" Cream Ceramic Wall Tile	F	NAD		
HS-A-013	1F Corridor 180	4" x 4" Cream Ceramic Wall Tile	F	NAD		
HS-A-014	1F Janitor's Closet 177	Substrate Coat at Textured Plaster Wall	F	NAD		
HS-A-015	1F Janitor's Closet 177	Substrate Coat at Textured Plaster Wall	F	NAD		
HS-A-016	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F	NAD		
HS-A-017	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F	NAD		
HS-A-018	1F Pool Mechanical Room	Finish Coat Textured Plaster @ Wall	F	NAD		
HS-A-019-19A	Roof	White, Black Resilient Covering on HVAC Ductwork	NOB		NAD	NAD
HS-A-019-19B	Roof	Cellulose and Fiberglass Insulation/Jacketing on HVAC Ductwork	F	NAD		
HS-A-019-19C	Roof	Nailed Pin Mastic on HVAC Ductwork	NOB		NAD	NAD
HS-A-020-20A	Roof	White, Black Resilient Covering on HVAC Ductwork	NOB		NAD	NAD
HS-A-020-20B	Roof	Cellulose and Fiberglass Insulation/Jacketing on HVAC Ductwork	F	NAD		
HS-A-020-20C	Roof	Nailed Pin Mastic on HVAC Ductwork	NOB		NAD	NAD

SAMPLE	GENERAL LOCATION	MATERIAL	TYPE	PLM (198.1)	TEM (198.4)	TEM (198.6)
HS-A-021-21A	Roof	White, Black Resilient Covering on HVAC Ductwork	NOB		NAD	NAD
HS-A-021-21B	Roof	Cellulose and Fiberglass Insulation/Jacketing on HVAC Ductwork	F	NAD		
HS-A-21-21C	Roof	Fiberlass/Mastic on HVAC Ductwork	NOB		NAD	NAD
HS-A-022-22A	Roof	White, Black Resilient Covering on HVAC Ductwork	NOB		NAD	NAD
HS-A-022-22B	Roof	Cellulose and Fiberglass Insulation/Jacketing on HVAC Ductwork	F	X		
HS-A-22-22C	Roof	Fiberglass/Mastic on HVAC Ductwork	NOB		NAD	NAD
NYSDOL/EPA Certified Building Inspector:	Wayne M. Jenning					
NYSDOL Certification # 24.659D5.SHAB						

Atlas Environmental Lab, Corp.
255 West 36th Street, Suite# 1503
New York, NY 10018
Phone:(212) 563-0400 Fax:(212) 563-0401
www.atlasenvironmentallab.com

Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Capital Project - Phase 2, Limited ACM, LBP & PCB Sampling/Testing / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: HS, K-8 & TC Buildings

Lab ID: BK0825195.REV
Date Received: 8/11/2025
PLM Date Analyzed: 8/12/2025
TEM Date Analyzed: 8/15/2025
Report Date: 8/18/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-001	BK0825195-1A	1F Janitor's Closet 177 - C: 6" by 6" Brown Resilient Cove Base / Mastic	Brown, Homogeneous, Non-Fibrous	68.6	2.1	29.3	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-001	BK0825195-1B	1F Janitor's Closet 177 - C: 6" by 6" Brown Resilient Cove Base / Mastic	Yellow, Homogeneous, Non-Fibrous	85.8	4.7	9.5	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-002	BK0825195-2A	1F Janitor's Closet 177 - C: 6" by 6" Brown Resilient Cove Base / Mastic	Brown, Homogeneous, Non-Fibrous	67.5	2.4	30.1	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-002	BK0825195-2B	1F Janitor's Closet 177 - C: 6" by 6" Brown Resilient Cove Base / Mastic	Yellow, Homogeneous, Non-Fibrous	40.8	2.8	56.3	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-003	BK0825195-3	1F Janitor's Closet 177 - Textured White Finish Coat Plaster at Wall	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-004	BK0825195-4	1F Janitor's Closet 177 - Textured White Finish Coat Plaster at Wall	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-005	BK0825195-5	1F Janitor's Closet 177 - Textured White Finish Coat Plaster at Wall	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-006	BK0825195-6	1F Corridor 180 - 4"x4" Whitish Cream Ceramic Wall Tile	Cream, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-007	BK0825195-7	1F Corridor 180 - 4"x4" Whitish Cream Ceramic Wall Tile	Cream, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-008	BK0825195-8	1F Corridor 180 - Mastic of 4"x4" Whitish Cream Ceramic Wall Tile	Brown, Homogeneous, Non-Fibrous	51.4	33.8	14.8	0%	100%	NAD Inconclusive	NAD		X	X

Atlas Environmental Lab, Corp.
255 West 36th Street, Suite# 1503
New York, NY 10018
Phone:(212) 563-0400 Fax:(212) 563-0401
www.atlasenvironmentallab.com

Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Capital Project - Phase 2, Limited ACM, LBP & PCB Sampling/Testing / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: HS, K-8 & TC Buildings

Lab ID: BK0825195.REV
Date Received: 8/11/2025
PLM Date Analyzed: 8/12/2025
TEM Date Analyzed: 8/15/2025
Report Date: 8/18/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-009	BK0825195-9	1F Corridor 180 - Mastic of 4"x4" Whitish Cream Ceramic Wall Tile	Brown, Homogeneous, Non-Fibrous	42.5	41.8	15.7	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-010	BK0825195-10	1F Janitor's Closet 177 - Composite Board at Wall	Brown, Homogeneous, Friable	Not Applicable			100%CELL	0%	NAD		X		
HS-A-011	BK0825195-11	1F Janitor's Closet 177 - Composite Board at Wall	Brown, Homogeneous, Friable	Not Applicable			100%CELL	0%	NAD		X		
HS-A-012	BK0825195-12	1F Corridor 180 - 4"x4" Cream Ceramic Wall Tile	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-013	BK0825195-13	1F Corridor 180 - 4"x4" Cream Ceramic Wall Tile	White, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-014	BK0825195-14	1F Janitor's closet 177 - Substrate Coat at Textured Plaster at Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-015	BK0825195-15	1F Janitor's closet 177 - Substrate Coat at Textured Plaster at Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-016	BK0825195-16	1F Pool Mechanical Room - Finish Coat Textured Plaster @ Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-017	BK0825195-17	1F Pool Mechanical Room - Finish Coat Textured Plaster @ Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		
HS-A-018	BK0825195-18	1F Pool Mechanical Room - Finish Coat Textured Plaster @ Wall	Grey, Homogeneous, Friable	Not Applicable			0%	100%	NAD		X		

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Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Capital Project - Phase 2, Limited ACM, LBP & PCB Sampling/Testing / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: HS, K-8 & TC Buildings

Lab ID: BK0825195.REV
Date Received: 8/11/2025
PLM Date Analyzed: 8/12/2025
TEM Date Analyzed: 8/15/2025
Report Date: 8/18/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-019	BK 825195-19A	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic & Nailed Pin Mastic on HVAC Ductwork	Black/White, Homogeneous, Non-Fibrous	74.6	20.8	4.6	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-019	BK 825195-19B	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic & Nailed Pin Mastic on HVAC Ductwork	Silver/Brown, Homogeneous, Friable	Not Applicable			60%CELL 20%FBGL	20%	NAD		X		
HS-A-019	BK 825195-19C	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic & Nailed Pin Mastic on HVAC Ductwork	Yellow, Homogeneous, Non-Fibrous	92.2	1.9	5.9	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-020	BK 825195-20A	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic & Nailed Pin Mastic on HVAC Ductwork	Black/White, Homogeneous, Non-Fibrous	74.5	21.0	4.5	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-020	BK 825195-20B	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic & Nailed Pin Mastic on HVAC Ductwork	Silver/Brown, Homogeneous, Friable	Not Applicable			60%CELL 20%FBGL	20%	NAD		X		
HS-A-020	BK 825195-20C	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic & Nailed Pin Mastic on HVAC Ductwork	Yellow, Homogeneous, Non-Fibrous	72.6	6.2	21.2	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-021	BK 825195-21A	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic on HVAC Ductwork	Black/White, Homogeneous, Non-Fibrous	77.3	20.2	2.5	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-021	BK 825195-21B	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic on HVAC Ductwork	Silver/Brown, Homogeneous, Friable	Not Applicable			60%CELL 20%FBGL	20%	NAD		X		
HS-A-021	BK 825195-21C	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic on HVAC Ductwork	Yellow, Homogeneous, Non-Fibrous	75.2	6.1	18.8	0%	100%	NAD Inconclusive	NAD		X	X
HS-A-022	BK 825195-22A	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic on HVAC Ductwork	Black/White, Homogeneous, Non-Fibrous	76.5	17.9	5.5	0%	100%	NAD Inconclusive	NAD		X	X

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New York, NY 10018
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Bulk Asbestos Report by PLM-TEM

Client: Jennings Environmental Management, Inc
Collected by: Client
Project Name/No.: Capital Project - Phase 2, Limited ACM, LBP & PCB Sampling/Testing / JEM# 225-026.JCCSD
Project Address: 666 Reynolds Road, Johnson City, New York
Work Area: HS, K-8 & TC Buildings

Lab ID: BK0825195.REV
Date Received: 8/11/2025
PLM Date Analyzed: 8/12/2025
TEM Date Analyzed: 8/15/2025
Report Date: 8/18/2025

Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	AII %	ASI%	PLM			TEM	Method By ELAP		
							Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
HS-A-022	BK 825195-22B	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic on HVAC Ductwork	Silver/Brown, Homogeneous, Friable	Not Applicable			60%CELL 20%FBGL	20%	NAD		X		
HS-A-022	BK 825195-22C	Roof - C: White, Black Resilient Covering with Foil-Faced Jacketing / Mastic on HVAC Ductwork	Yellow, Homogeneous, Non-Fibrous	74.6	4.9	20.5	0%	100%	NAD Inconclusive	NAD		X	X

*Reason for Revision: Samples #12,13,14,15 Description/Location Revised as per Client's Request. AL

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophylite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

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.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, AII= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL .Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance . AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.

NYS-ELAP# 1999, NVLAP Lab Code: 500092-0, CT ID: PH-0154

PLM Analyst LR TEM Analyst: VR Approved by:

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

May 17, 2025

Jennings Environmental Management, Inc.
Attn: Wayne Jennings
113 Hawley St
Binghamton, NY 13901

RE: Jennings Environmental Management, Inc.
Job Number 125051491
P.O. #225-026.JCCSD
225-026.JCCSD; Johnson City Central School District

Dear Wayne Jennings:

Enclosed are the results for lead analysis of the following Jennings Environmental Management, Inc. sample(s) received at AmeriSci on Wednesday, May 14, 2025, for a 48 hour turnaround:

HS-L-001, HS-L-002, HS-L-003, HS-L-004, HS-L-005, HS-L-006

The 6 sample(s) contained in zip lock bag were shipped to AmeriSci via Fed Ex. The sample(s) were received in Good condition. The sample(s) were prepared and analyzed as indicated on the attached analytical report.

Table I represents a summary of the analysis results.

This report relates ONLY to the sample analysis expressed as lead in ppm (mg/kg). AmeriSci assumes no responsibility for customer supplied data such as “sample location” or “area of collection”. Complete analytical documentation is archived and available upon written request. This report must not be reproduced, except in full without the written approval of the laboratory.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

Glenn F. Massey

QA Manager | Authorized Signatory

5/14/25
#225051671 12505149 1

JENNINGS ENVIRONMENTAL MANAGEMENT, INC.

Professional Environmental Consultants Since 1981

Specializing In:
ASBESTOS SAMPLING, PROJECT DESIGN & PROJECT MANAGEMENT, LEAD SAMPLING, LEAD BASED-PAINT PLANS & PROJECT MANAGEMENT, INDOOR AIR QUALITY ASSESSMENTS & PHASE 1 & II SITE ASSESSMENTS

113 Hawley Street, Binghamton, New York 13901 Office: 607.722.7574 E mail: jennings@jenningseminc.com

Johnson City Central School District
LIMITED ACM, LBP & PCB SAMPLING/TESTING
CAPITAL PROJECT PHASE 2
HS, K-8 & TC BUILDINGS
666 Reynolds Road
Johnson City, New York
JEM # 225-026.JCCSD

NOB - Non-Friable Organically Bound
PLM (198.1) - Polarized Light Microscopy
TEM (198.4) - Transmission Electron Microscopy
PLM (198.6) - Fiber Identification - Gravimetric
NAD - No Asbestos Detected
NA - Not Analyzed
DNPA - Do Not Prep Analyze

BUILDING: **JOHNSON CITY HIGH SCHOOL**

BF - Basement Floor
1F - First Floor
2F - Second Floor
C - Composite
3F - Third Floor
4F - Fourth Floor

EPA Certified Lead Inspector: Wayne M. Jennings & Zachary McFadden
Date of Sampling: 29 April 2025

LEAD SAMPLING & SUMMARY OF TESTING LOG

SAMPLE	LOCATION	SURFACE	COLOR	SUBSTRATE	%	COMMENTS
HS-L-001	Small Cafeteria 101	Wall	White	Plaster		
HS-L-002	Serving 102A	Door Frame	White	Steeel		
HS-L-003	Serving 102A	Door Frame	Varnish	Wood		
HS-L-004	Storage 113B	Door Frame	Red	Steel		
HS-L-005	Living Center 125B	Door Frame	White	Steel		
HS-L-006	Small Pool Gym	Door Frame	White	Steel		
HS-L-007						
HS-L-008						
HS-L-009						
HS-L-010						
HS-L-011						
HS-L-012						
HS-L-013						
HS-L-014						

Received
MAY 14 2025
KHM

Sherilyn Raymorgal → 5/8/25 → 11:28

EHS Laboratories
ENVIRONMENTAL HAZARDS SERVICES, LLC
7469 Whitepine Rd
North Chesterfield, VA 23237
Telephone: 800.347.4010

Lead Paint Chip Analysis Report

Report Number: 25-05-02261

Client: Ameri-Sci Richmond
13635 Genito Road
Midlothian, VA 23112-400

Received Date: 05/14/2025
Analyzed Date: 05/16/2025
Reported Date: 05/16/2025

Project/Test Address: 125-05-1491; Johnson City Hall School
Collection Date: 04/29/2025

Client Number: 48-3042

Laboratory Results

Fax Number: 804-763-1800

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID
25-05-02261-001	HS-L-001	SMALL CAFETERIA 101 WALL WHITE PLASTER	<42	<0.0042	
25-05-02261-002	HS-L-002	SERVING 102A DOOR FRAME WHITE STEEL	<50	<0.0050	
25-05-02261-003	HS-L-003	SERVING 102A DOOR RAME VARNISH WOOD	9500	0.95	L03
25-05-02261-004	HS-L-004	STORAGE 113B DOOR FRAME RED STEEL	<130	<0.013	L03
25-05-02261-005	HS-L-005	LIVING CENTER 125B DOOR FRAME WHITE STEEL	<110	<0.011	L03
25-05-02261-006	HS-L-006	SMALL POOL GYM DOOR FRAME WHITE STEEL	51	0.0051	

Environmental Hazards Services, L.L.C

Client Number: 48-3042 Report Number: 25-05-02261

Project/Test Address: 125-05-1491; Johnson City Hall School

Lab Sample Number	Client Sample Number	Collection Location	Pb (ug/g) ppm	% Pb by Wt.	Narrative ID

Sample Narratives:

L03: Sample submitted was less than the recommended amount. A minimum of 0.1 grams should be submitted.

Preparation Method: ASTM E-1979-17

Analysis Method: EPA SW846 7000B

Reviewed By Authorized Signatory: Melissa Kanode

Melissa Kanode
QA/QC Clerk

The Reporting Limit (RL) for samples prepared by ASTM E-1979-17 is 10.0 ug Total Pb. The RL for samples prepared by EPA SW846 3050B is 25.0 ug Total Pb. Paint chip area and results are calculated based on area measurements determined by the client. All internal quality control requirements associated with this batch were met, unless otherwise noted.

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, etc., was provided by the client. Results reported above in mg/cm3 are calculated based on area supplied by client. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C.

ELLAP Accredtitation through AIHA LAP, LLC (100420), NY ELAP #11714.

LEGEND	Pb= lead	ug = microgram	ppm = parts per million
	ug/g = micrograms per gram	Wt. = weight	

AHERA 2022 THREE YEAR REINSPECTION HS

JOHNSON CITY SCHOOL DISTRICT

AHERA THREE YEAR RE-INSPECTION

June 2022

JOHNSON CITY HIGH SCHOOL

LINK

Environmental Services, Inc

AHERA THREE YEAR RE-INSPECTION TABLE OF CONTENTS

DISTRICT SUMMARY

DISTRICT INFORMATION

Building: Johnson City High School **Address**: 666 Reynolds Road **City**: Johnson City State: N.Y Zip Code: 13790 **Contact Person**: Dean Simmons
Building Use: K Only ☐ Elementary ☐ Middle School ☐ High School ☒ Administration ☐ Bus Garage ☐ Other ☐
School District Type: Public ☒ Private ☐
District Asbestos Coordinator: Name: Dean Simmons Address: 666 Reynolds Road City: Johnson City State: N.Y Zip Code: 13790 Phone: (607) 763-1218

ACCREDITATION

The inspection was conducted by the following Link Environmental Services, Inc. personnel:

Name	Certificate #	State	Signature
Jon Link	88-10129	New York	

JOHNSON CITY SCHOOL DISTRICT
JOHNSON CITY HIGH SCHOOL

ABSTRACT

On October 30th, 1987, the U.S Environmental Protection Agency issued Federal Register (40 CFR Part 763) its final rule and notice for asbestos-containing materials in schools in response to the Asbestos Hazard Emergency Response Act (AHERA) of 1986. The Johnson City School District has retained Link Environmental to conduct the required three year re-inspection of its district buildings in order to comply with parts of that Rule. In so doing, Link Environmental utilized only persons accredited in accordance with Section 206 of Title II of the Act.

Link Environmental personnel conducted the re-inspection of the Johnson City High School on June 20, 2022 utilizing one inspector. Link Environmental conducted the survey based on information received from the client, the previous triennial report (June, 2019) and from the Periodic Surveillance Reports.

The High School is a two- story masonry-constructed structure with partial basement and adjacent crawl space area.

Friable asbestos-containing materials include pipe-fitting insulation

Non-friable materials found to be asbestos-containing include 12 x 12 floor tile and floor and duct mastic.

Materials assumed to be asbestos-containing include electrical wiring insulation and fire doors.

RE-INSPECTION INTRODUCTION

AHERA REQUIREMENTS

At least once every three years after a management plan is in effect, each local education agency shall conduct a re-inspection of all friable and non-friable known or assumed ACBM (asbestos-containing building materials) in each school building that they lease, own or otherwise use as a school building.

For each area of a school building, the accredited inspector performing the re-inspection shall:

- Visually re-inspect, and reassess, under AHERA Asbestos Section 763.88, the condition of all friable known or assumed ACBM.
- Visually inspect material that was previously considered non-friable ACBM and touch the material to determine whether it has become friable since the last inspection or re-inspection.
- Identify any homogeneous areas with material that has become friable since the last inspection or re-inspection.
- For each homogeneous area of newly friable material that is already assumed to be ACBM, bulk samples may be collected and submitted for analysis in accordance with AHERA 763.86 and 763.87.
- Assess, under AHERA 763.88, the condition of the newly friable material in areas where samples are collected and newly friable materials in areas that are assumed to be ACBM.
- Reassess, under AHERA 763.88, the condition of friable known or assumed ACBM previously identified.
- Record the following and submit to the person designated under AHERA 763.84 a copy of such record for inclusion in the management plan within 30 days of the re-inspection:
    (A) The date of the re-inspection, the name and signature of the person making the re-inspection, State of accreditation, and if applicable, his or her accreditation number, and any changes in the condition of know or assumed ACBM.

(B) The exact locations where samples are collected during the re-inspection, a description of the manner used to determine sampling locations, the name and signature of each accredited inspector who collected the samples, State of accreditation, and, if applicable, his or her accreditation number.

(C) Any assessments or re-assessments made of friable material, the name and signature of the accredited inspector making the assessments, State of accreditation, and, if applicable, his or her accreditation number.

RE-INSPECTION REPORT

JOHNSON CITY HIGH SCHOOL

HOMOGENEOUS AREAS CONFIRMED TO BE ASBESTOS-CONTAINING

FRIABLE SURFACING MATERIALS

No confirmed areas of friable surfacing materials are present.

THERMAL SYSTEM INSULATION

Pipe-Fitting Insulation

Material Type	Friable
Assessment Category	Thermal system insulation ACM with potential for damage
Quantity	Approximately two hundred thirty one linear feet (231 ft.) (462 fittings identified).
Description	Visible pipe fittings are catalogued in the following table. Asbestos-containing pipe insulation may also be encountered in inaccessible areas behind walls and above ceilings. Non-ACM fittings may be included in the quantities where replaced fittings have not been documented.

Visible ACM Pipe Fitting Insulation

Functional Space	Number of Identified Fittings
Boiler Room 1	25
Boiler Room 2	47
Mechanical Room 5A	40
Mechanical Room 5B	11
Boiler Room 3	3
Boiler Room 7	44
Crawlspace	34
Room 183C	8
Storage Room A6	25
Administration File Room	1
Custodial Storage	2
Information Services	0
Student Services	1
Maintenance Equipment	5
Dry Storage	8
Electrical Room 4	0
Storage Room 2	10
Freight Elevator Mechanical Rm	0
File Room	0
Un-numbered Boiler Room	2
Catwalk Above Auditorium	3
First Floor Hallway	22
Second Floor Hallway	0
Inaccessible Areas	several

Roof Drain Fitting Insulation

These materials have been removed.

MISCELLANEOUS MATERIALS

Floor Tile (12” x 12” Tan with Brown Swirl with Black Mastic)

Material Type	Miscellaneous
Assessment Category	Non-Friable
Quantity	Approximately seventy seven thousand seven hundred sixty one square feet (77,761 ft^2).
Description	This material is located on all floors of the High School and is most commonly found in classrooms and offices. The black mastic is asbestos-containing as well.

Floor Tile (12” x 12” White with Black Mastic)

Material Type	Miscellaneous
Assessment Category	Non-Friable
Quantity	Approximately seven hundred four square feet (704 ft^2).
Description	This material is located in Ceramics Room 270. Underlying black mastic is asbestos-containing as well.

Floor Tile (12” x 12” Dark with Black Mastic)

Material Type	Miscellaneous
Assessment Category	Non-Friable
Quantity	Approximately four hundred thirty two square feet (432 ft^2).
Description	This material is located in Room 223. Underlying black mastic is asbestos-containing as well.

Duct Plate Mastic

Material Type	Miscellaneous
Assessment Category	Non-Friable
Quantity	Approximately twenty square feet (20 ft^2).
Description	This material is located in the crawlspace. Fiberglass duct insulation is affixed to plates glued to the duct with this asbestos-containing mastic

HOMOGENEOUS AREAS ASSUMED TO BE ASBESTOS-CONTAINING

FRIABLE SURFACING MATERIALS

No areas of assumed friable surfacing materials are present.

THERMAL SYSTEM INSULATION

No areas of assumed asbestos-containing thermal system insulation are present.

MISCELLANEOUS MATERIALS

Electrical Wiring Insulation

Material Type	Miscellaneous
Assessment Category	Non-Friable
Quantity	Unknown
Description	It is not possible to identify and sample all types of electrical wiring insulation within an occupied building. Sampling should be performed on the insulation of de-energized wiring prior to disturbance of these materials.

Fire Doors

Material Type	Miscellaneous
Assessment Category	Non-Friable
Quantity	Approximately eight hundred square feet (21 doors)
Description	Fire doors are identified on the attached drawings and are assumed to be asbestos-containing.

LIST OF SCHOOL BUILDING AND ASBESTOS-CONTAINING MATERIAL STATUS

The presence of asbestos-containing materials is indicated by an "X" under each designated category. If blank, then no asbestos-containing materials that were accessible were found to be asbestos-containing based on PLM and / or TEM AHERA analysis. Furthermore, any blank category indicates that no materials were assumed to be asbestos-containing.

Friable ACBM	Non-Friable ACBM	Friable Assumed	Non-Friable Assumed	No Suspect Materials
X	X			

APPENDIX

Updates to Re-Inspection Report

The following page includes any additions and updates to the re-inspection report which appear in this Appendix by the order of their occurrence.

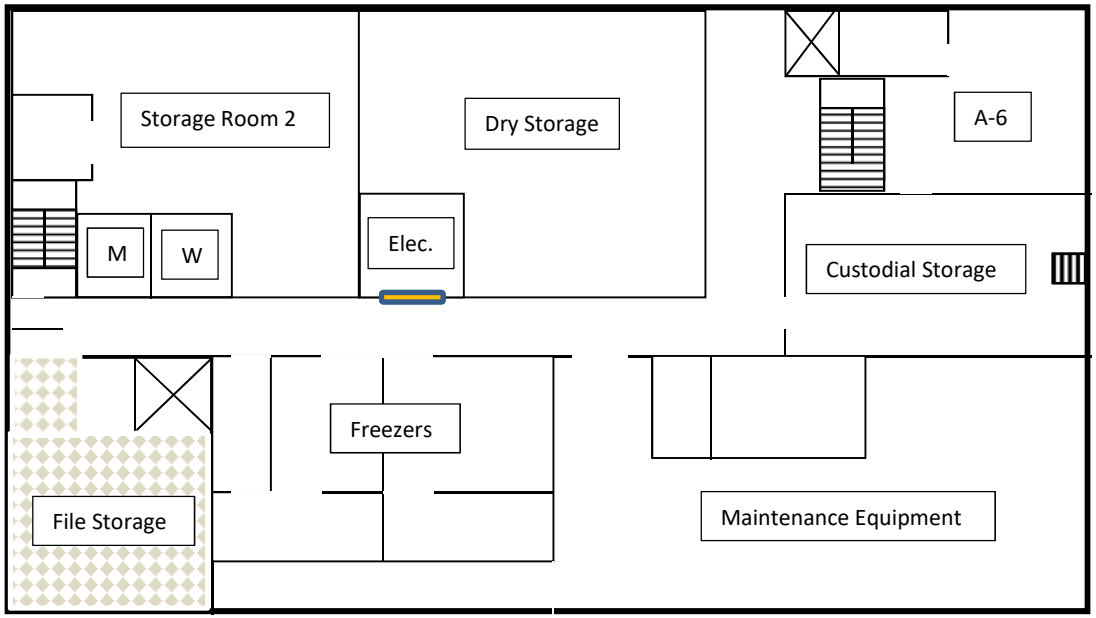
ASBESTOS-CONTAINING MATERIAL CHANGE

District Name: Johnson City **Building Name:** Johnson City High School

Material Type: Pipe Fitting Insulation **Material Quantity:** 50 ft

	Sample #	Description of Material
		Numerous instances of pipe fitting insulation (approx. 100) have been removed.

Johnson City High School
Basement

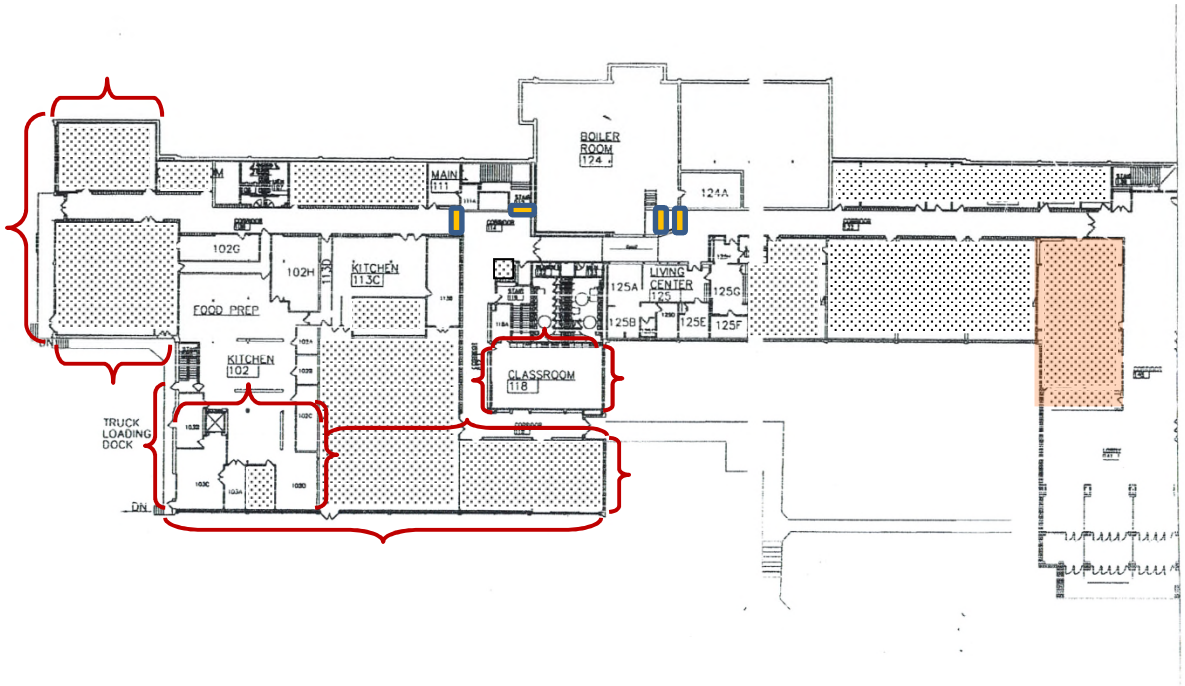


Key:

- Fire Door
- Asbestos-Containing Floor Tile & Mastic

Note: ACM pipe-fitting insulation is identified by area in the Visible ACM Pipe Fitting Insulation table

Johnson City High School
First Floor North

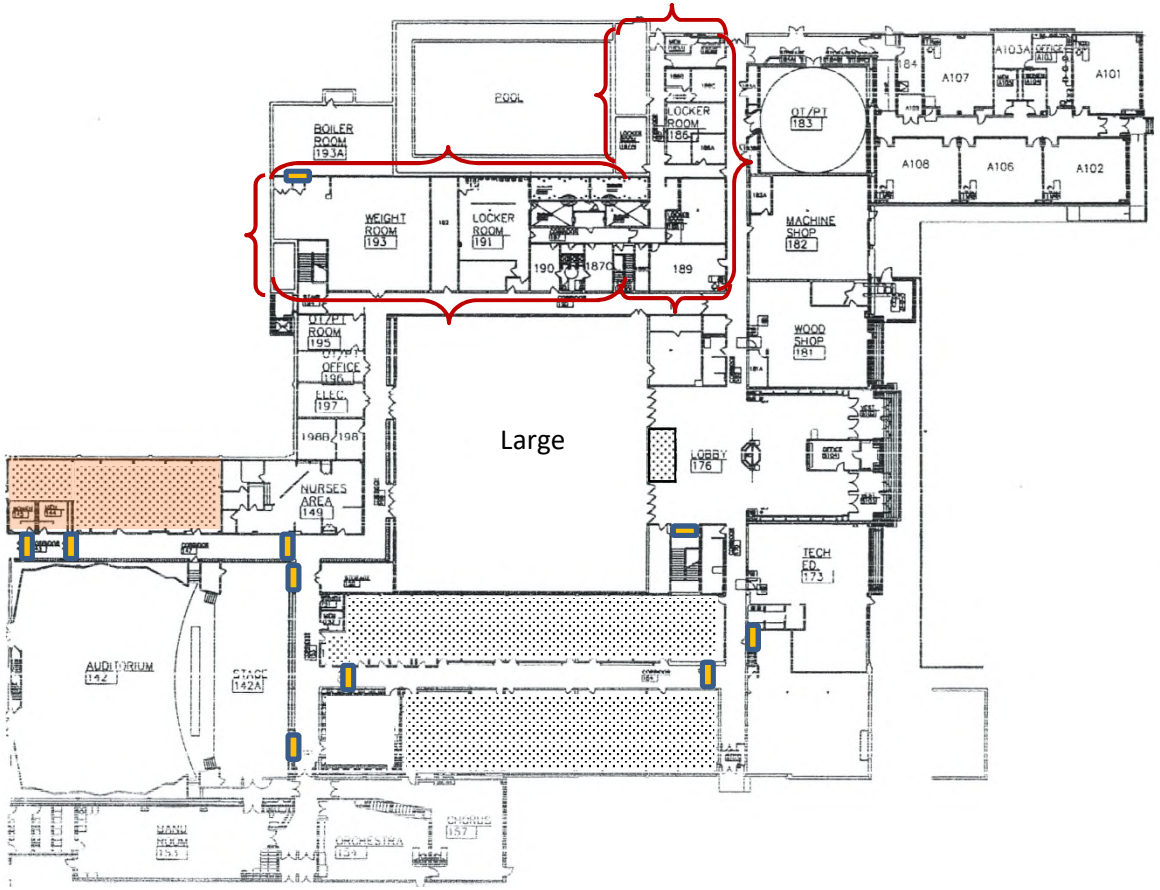


Key:

- ⬚ - Asbestos-Containing Floor Tile & Black Mastic
- { } - Pipe-Fitting Insulation removed in these areas
- ▬ - Fire Door

Note: ACM pipe-fitting insulation is identified by area in the Visible ACM Pipe Fitting Insulation table

Johnson City High School
First Floor South

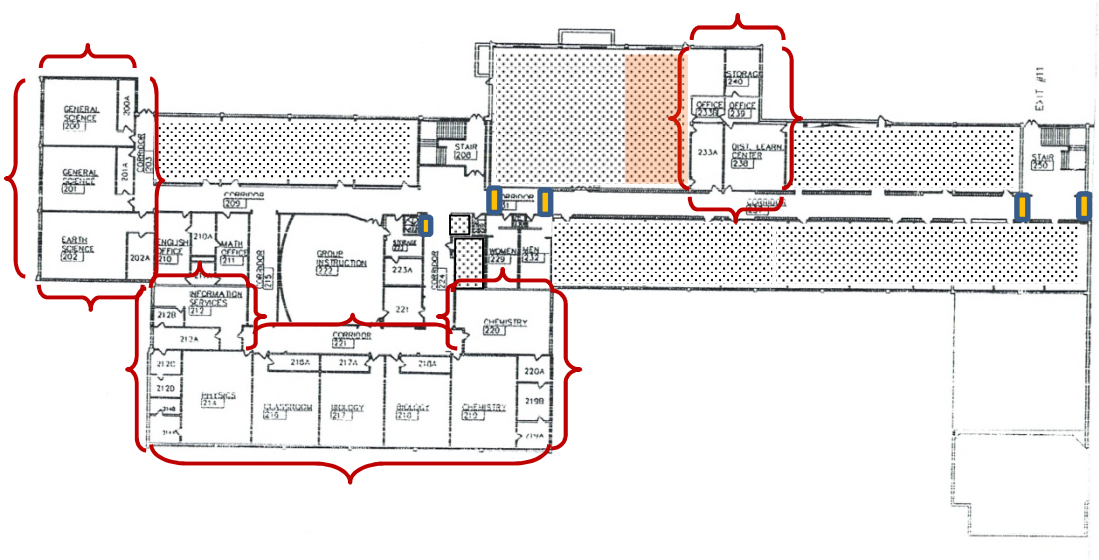


Key:

- ▨ - Asbestos-Containing Floor Tile & Black Mastic
- {} - Pipe-Fitting Insulation removed in these areas
- ▬ - Fire Door

Note: ACM pipe-fitting insulation is identified by area in the Visible ACM Pipe Fitting Insulation table

Johnson City High School
Second Floor North

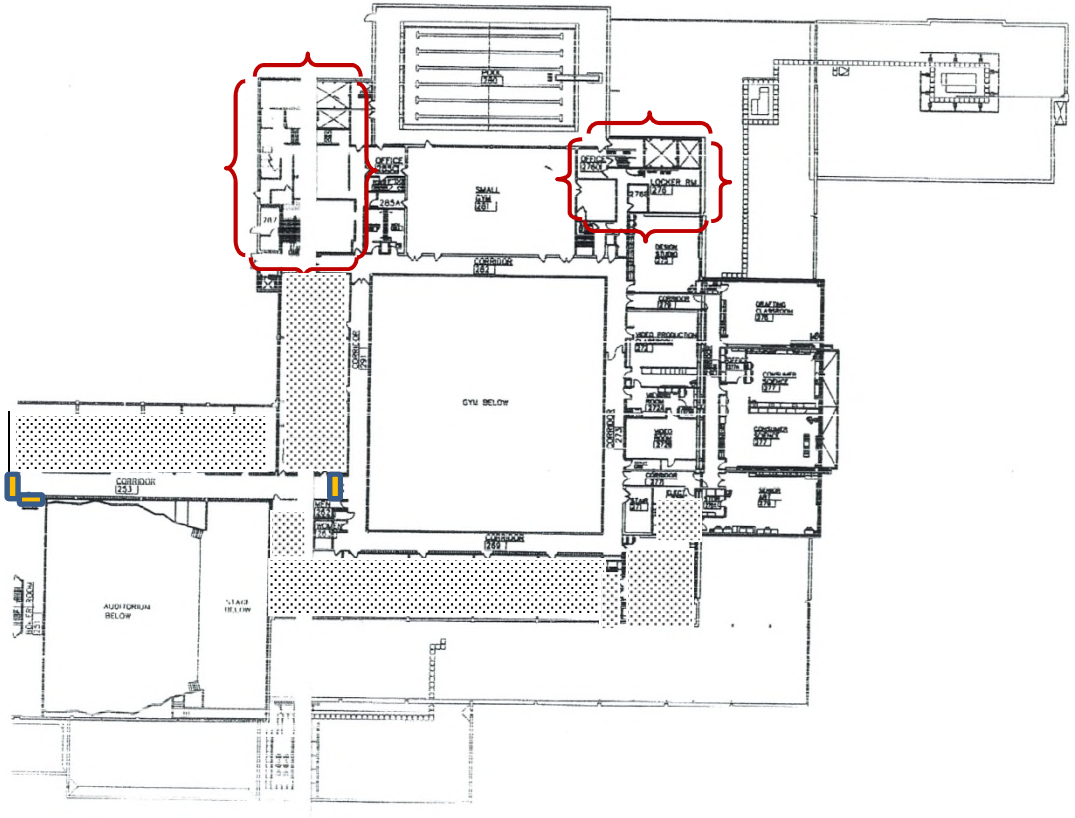


Key:

- ▨ - Asbestos-Containing Floor Tile & Black Mastic
- {} - Pipe-Fitting Insulation removed in these areas
- ▬ - Fire Door

Note: ACM pipe-fitting insulation is identified by area in the Visible ACM Pipe Fitting Insulation table

Johnson City High School
Second Floor South



Key:

- ⬚ - Asbestos-Containing Floor Tile & Black Mastic
- {} - Pipe-Fitting Insulation removed in these areas
- ▬ - Fire Door

Note: ACM pipe-fitting insulation is identified by area in the Visible ACM Pipe Fitting Insulation table