VOLUME 4

Vestal

Central School District

Vestal Central School District – Capital Project 2024

SR HIGH SCHOOL SED#: 03-16-01-06-0-001-024
CLAYTON AVE ELEM SED#: 03-16-01-06-0-003-022
VESTAL HILLS ELEM SED#: 03-16-01-06-0-011-012

HA PN: 2025-067P

EXP. 2028.10.31

BID DOCUMENTS

"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."

JUNE 22, 2026

VESTAL CENTRAL SCHOOL DISTRICT
CAPITAL PROJECT 2024
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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

ENVIRONMENTAL REMEDIATION & INCIDENTAL DEMOLITION (ASBESTOS)

SECTION 02 82 00

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 2024 owned by the Vestal Central School District (VCSD).

B. Suspect environmental (Asbestos) were sampled/tested in materials scheduled for disturbance as part of this Project. No Lead was found for this project. However, 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 VCSD 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: **SR HIGH SCHOOL**

1) AHERA 2025 THREE YEAR REINSPECTION SR HIGH SCHOOL

APPENDIX A: **CLAYTON AVE ELEMENTARY SCHOOL**

1) LIMITED ASBESTOS SAMPLING/TESTING REPORT
2) AHERA 2025 THREE YEAR REINSPECTION CLAYTON AVE ELEMENTARY 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 Vestal Sr High School and Clayton Ave Elementary 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 Vestal Central School District (VCSD);
- "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 <u>applicably</u> certified in:
- Asbestos;
- Lead (Firm, Supervisor and Workers certified by EPA/HUD to conduct lead removal in School). <u>LEAD NOTE</u>: 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. Vestal, 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 is not permitted.

G. NOT APPLICABLE – 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 <u>any</u> reason.

F. **<u>IF REQUIRED:</u>** 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. <u>Size, location, and quantities of all ACM's must be field verified by the ERC and the ERC is solely responsible for same.</u> 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, <u>for each Work Area</u>, 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 two or more 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. Refer to Section 02 83 00 “Lead-Based Paint Plan” (LBPP) for known Lead-Based Paints (LBP’s) or other materials and for specifics associated where LBP’s are scheduled to be disturbed.

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

SUBMISSION REVIEW CHART (ASBESTSOS)

SECTION 02 82 10

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				

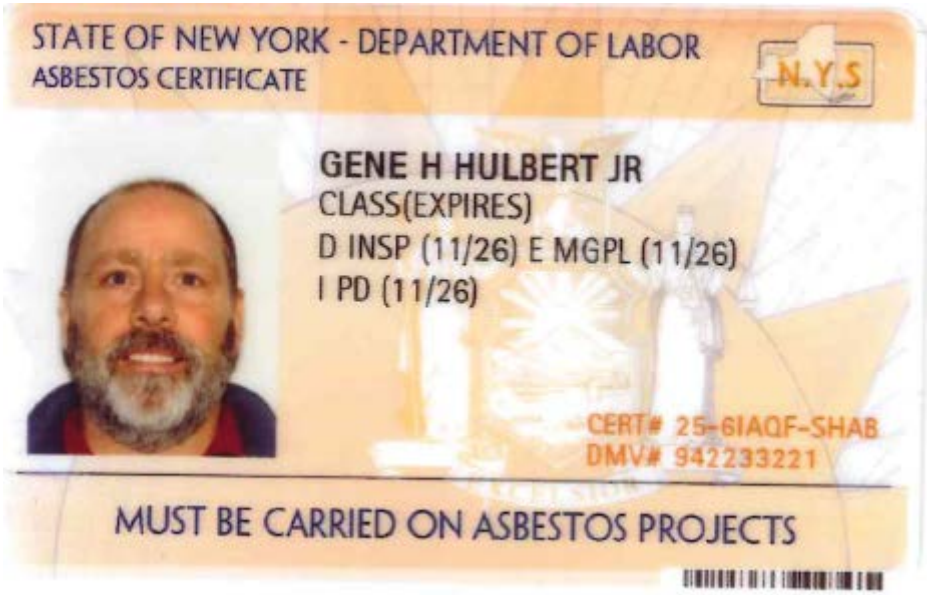
12e	Locations of intended discharges from Negative Pressure Units (NPU's);				
12f	Letter confirming each shift has a completely different work force;				
12g	Abatement schedule indicating critical dates of the job, including start of mobilization, preparation, removal, and reactivation of each Work 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 14a through 14i			
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;				

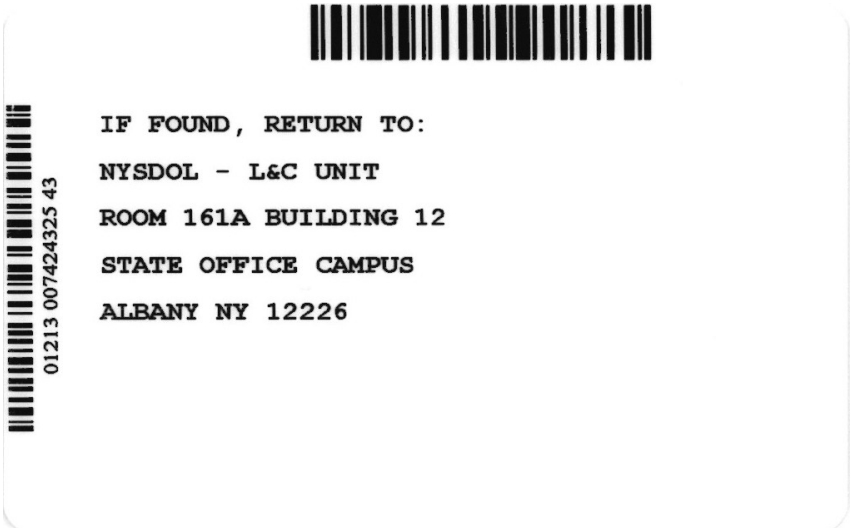
14k	Other Materials and Products Used.				

	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. AHERA 2025 THREE YEAR REINSPECTION SR HIGH SCHOOL

THE STATE EDUCATION DEPARTMENT / THE UNIVERSITY OF THE STATE OF NEW YORK

Office of Facilities Planning, 89 Washington Avenue, Room 1060 Education Building Annex, Albany, NY 12234
Telephone: (518) 474-3906
Email: emscfp@nysed.gov
Website: http://www.p12.nysed.gov/facplan/

February 2025

TO: District Superintendents
Superintendents of Schools
Nonpublic School Administrators
Charter School Administrators

FROM: Sara Madison, RA

SUBJECT: AHERA 2025 Re-inspection Reminder

AHERA Re-Inspection Overview

The federal Asbestos Hazard Emergency Response Act (AHERA) requires all public and nonpublic elementary and secondary schools to be re-inspected for all known or assumed asbestos-containing building materials (ACBM), friable and non-friable, in all facilities which are owned, leased, or otherwise used as a school building every three years. The 2025 triennial re-inspection must be completed no later than July 8, 2025.

If a school was built after October 12, 1988, the architect or engineer responsible for its construction must sign a statement that "no ACBM were specified as building materials in any construction document for the building, or to the best of his/her knowledge, no ACBM was used as a building material in the building." If an existing building that is to be used as a school building, is leased or acquired on or after October 12, 1988, it must be inspected for ACBM prior to its use as a school building if no such statement is available. In the event it is necessary to use a building that has not been inspected for ACBM, the building must be inspected for ACBM within 30 days after the start of such use.

The re-inspection process may only be performed by a person certified by the State Department of Labor (DOL) as an asbestos inspector. The re-inspection does not require a new AHERA management plan, however, it does require a new section in the existing plan that reflects the 2025 re-inspection. This new section must be developed by a person certified by DOL as an asbestos management planner. The overall AHERA re-inspection process is the ultimate responsibility of the school's asbestos designee. Guidance for the designee is available at:
https://www.epa.gov/sites/production/files/documents/ampauditchecklist_0.pdf.

Public School Reporting

In conjunction with the required AHERA triennial re-inspection, all New York State public school districts (including BOCES and charter schools) should complete and submit a 2025 AHERA Triennial Report to the Commissioner of Education no later than September 1, 2025. The 2025 AHERA Triennial Report can be accessed at:

https://www.surveymonkey.com/r/5GYTKMM

For further information and assistance on AHERA, contact your BOCES Health and Safety Office, Facilities Planning at 518-474-3906, or see
https://www.epa.gov/asbestos/school-buildings#requirements.

2025 Asbestos Hazard Emergency Response Act (AHERA) Triennial Survey Report

*** 1. Name of BOCES, School District, or Charter School**

Vestal Central School District

*** 2. Is this a BOCES, School District, or Charter School?**

- [ ] BOCES
- [x] School District
- [ ] Charter School

*** 3. BOCES, School District, or Charter School BEDS code:**

03160106

*** 4. Were any buildings constructed or leased after October 12, 1988?**

- ◯ Yes
- ⊗ No

*** 5. If any buildings were constructed or leased after October 12, 1988, is there a letter on file for each such building from the architect/engineer responsible for the building design, certifying that to the best of his/her knowledge, no asbestos containing building material used in the construction of the building?**

- ◯ Yes
- ◯ No
- ⊗ N/A - no buildings constructed/leased after 10/12/1988

*** 6. Did an individual(s) certified by the New York State Department of Labor as an asbestos inspector conduct an AHERA reinspection in 2025 of all known and assumed asbestos containing building material in ALL facilities which are owned, leased, or otherwise used as school buildings? (This includes both instructional and non-instructional facilities.)**

- (X) Yes
- ( ) No
- ( ) NA - building constructed/leased after 10/12/88 and 'no asbestos' letter from architect/engineer on file

*** 7. Please provide the name and DOL certification number for the individual described in Question 6 above.**

Asbestos Inspector's Name: Alexander Frame

Asbestos Inspector's DOL Certification Number: 25-6ZTK8-SHAB

*** 8. Did an individual(s) certified by the New York State Department of Labor as an asbestos management planner update the existing AHERA management plans to reflect the 2025 reinspection for ALL facilities which are owned, leased, or otherwise used as school buildings? (This includes both instructional and non-instructional facilities.)**

- [X] Yes
- [ ] No
- [ ] N/A - no asbestos present district-wide

*** 9. Please provide the name and DOL certification number for the individual described in Question 8 above.**

Asbestos Management Planner's Name: Alexander Frame

Asbestos Management Planner's DOL Certification Number: 25-6ZTK8-SHAB

*** 10. What is the name and contact information of the asbestos (AHERA) designated person for this BOCES, School District, or Charter School?**

First Name	Jed
Last Name	Frost
Email Address	jfrost@vestalcsd.org
Telephone Number	607-788-0965

Done

Greater Southern Tier BOCES

innovation in creating student success through cooperative services

MEMO

TO: Jed Frost
FROM: Alex Frame, NYS Cert # 25-6ZTK8-SHAB
DATE: 5/29/2025

RE: Vestal Central School District 2025 Triennial Asbestos Surveillance with Findings with Response Actions Required

Attached are the results of the 2025 Triennial asbestos surveillance which was performed on 5/28/2025 by Alex Frame. All action items are in the notes column in bold font, please take care of these items as soon as possible.

Please include a statement in the next newsletter to notify the public that the required surveillance has been completed. Examples of public notices are included below for your information.

"GST BOCES has completed the inspection of all schools and buildings in accordance with the laws regarding asbestos as a potential health hazard for students, employees and visitors.

Also, a management plan has been developed in compliance with the Asbestos Hazard Emergency Response Act, which includes training of maintenance staff for safe handling, periodic re- inspection, surveillance and limited abatement by trained personnel. A copy of this management plan is available upon request by contacting Jed Frost at 607-788-0965,"
OR

"GST BOCES has successfully completed the inspection of all schools and buildings in accordance with the Asbestos Hazard Emergency Response Act.

For details or to obtain a copy of the management plan, contact Jed Frost at 607-788-0965."

Please also notify the BOE that the Triennial surveillance has been completed. (This is an SED requirement.)

I can be reached at 739-3581, X1476 if you have questions. Thank you for the opportunity to work with GST BOCES.

Location: **Vestal High School**, 201 Woodlawn Drive Vestal, NY 13850
Date of **6 Mo. Surveillance**: 5/28/2025 Date report sent to Management Planner: 5/28/2025
Performed by: Alex Frame, NYS Cert # 25-6ZTK8-SHAB Inspector Signature:

Functional Space #	Location	ACM	Quantity	Damage category	Removed	Remaining	Response actions/Notes
	Room B44	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room B46	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Corridor to dark room	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Dark Room	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 105.5 staff locker room	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 136	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 140	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Server Closet adj to Room 140	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 141	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 142	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout

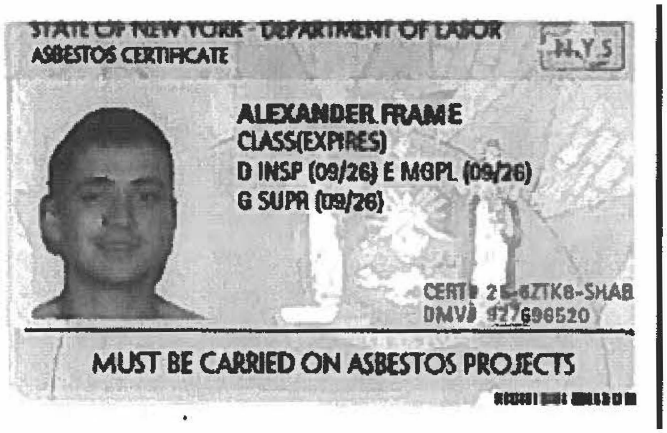
							classroom – abatement recommended
	Room 143	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 145	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Server Closet 145A	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 146	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 148	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 154	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 159	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 161.1	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 161.1A	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 161.1B	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 171	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 171.1	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement

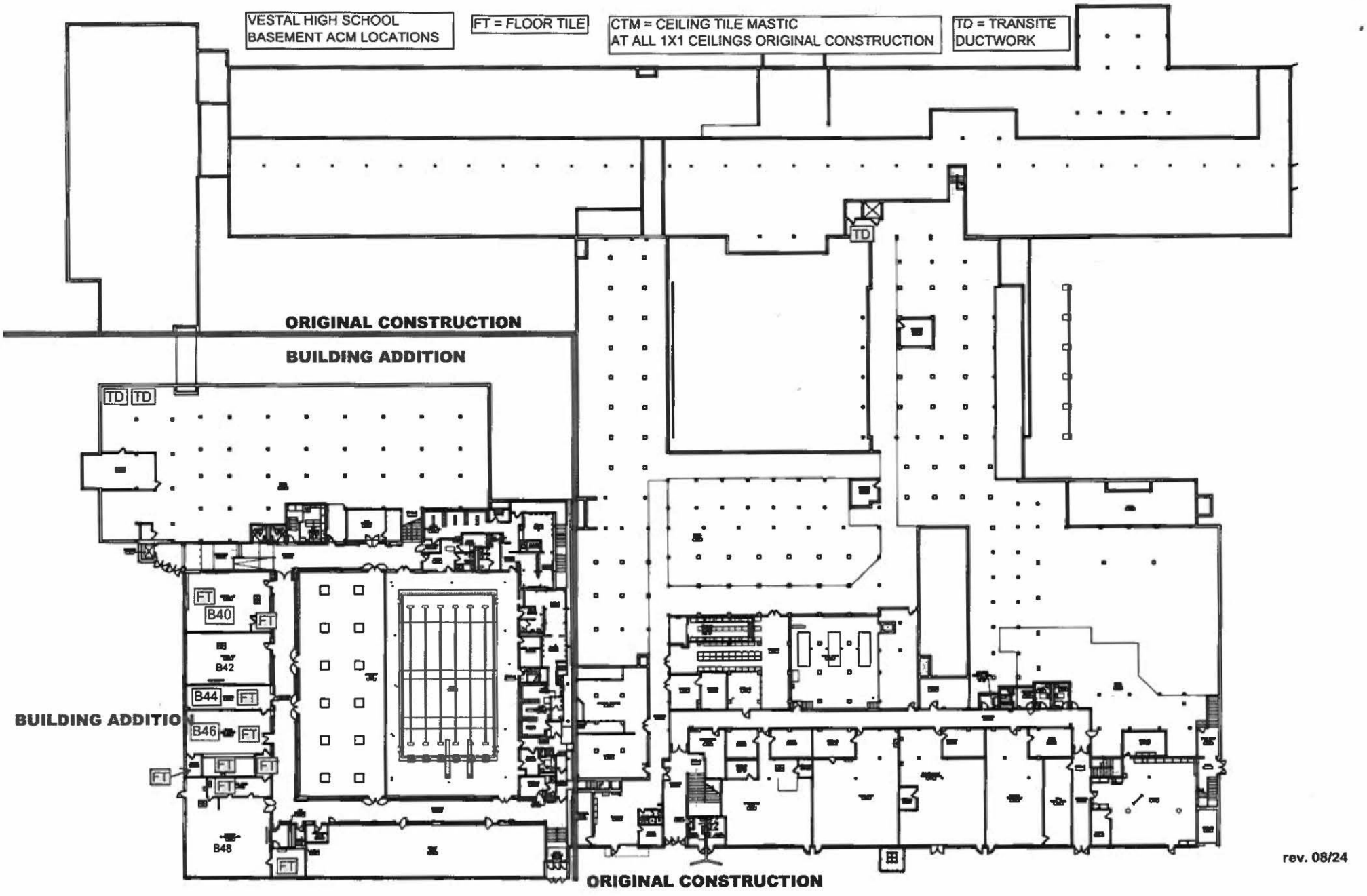
							recommended
	Room 185	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 187	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 236	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 237	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 237 Storage	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 238	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 239	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 240	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 241	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 242	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 243	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 244	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended

	Room 246	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 248	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 250	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Server closet across from room 250	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 252	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 254	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 271	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 281	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 282	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Server room adj to room 282	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 284	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 284 offices	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Room 285	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout

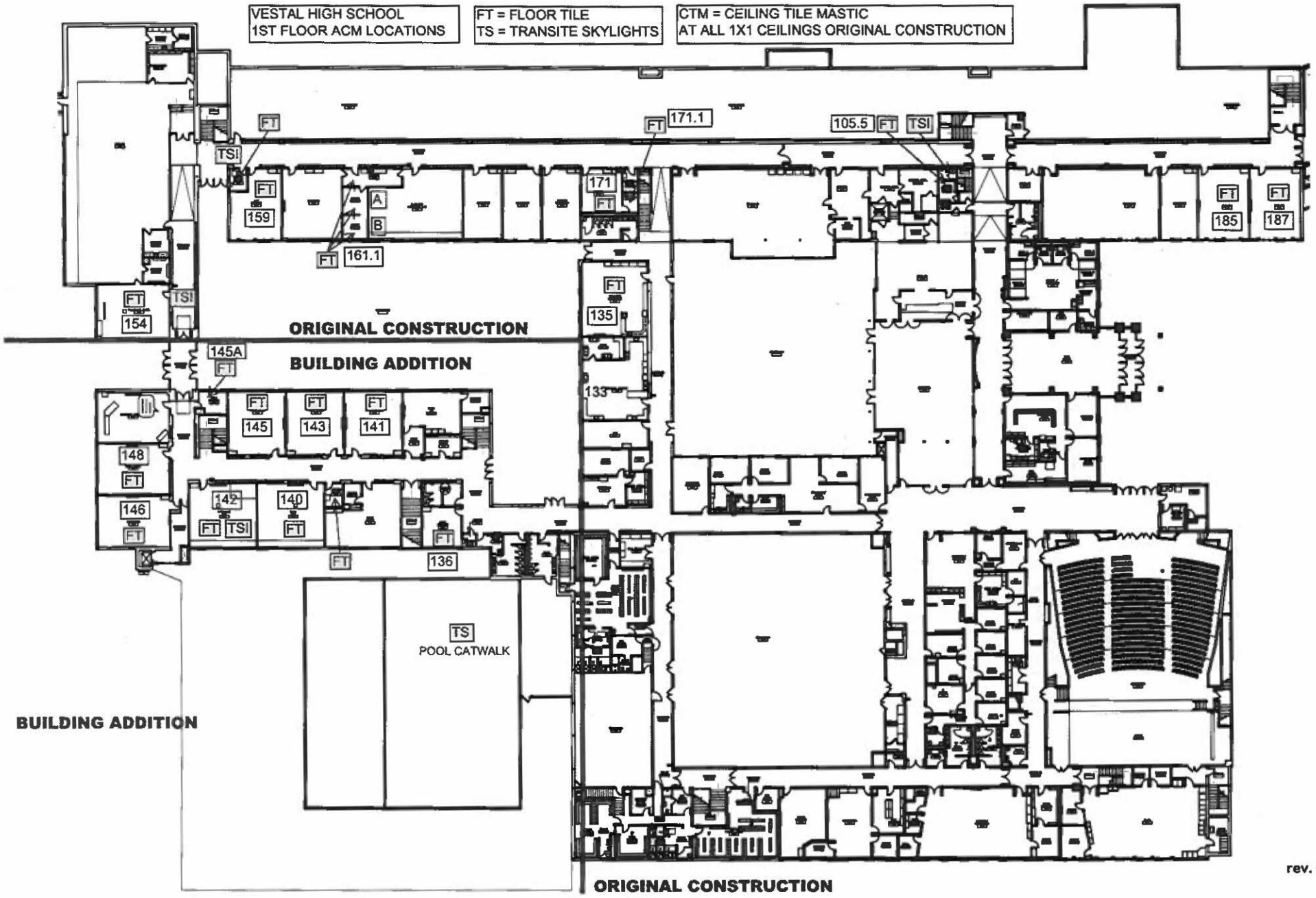
							classroom – abatement recommended
	Room 287	VAT 9x9 /Mastic		√			VAT 9x9 / floor mastic throughout classroom – abatement recommended
	Pool Catwalk Area	Non Friable Transite Skylights		√			Monitor conditions – abatement recommended
	Room 142	Fitting insulation		√			Above ceiling – potential for damage – abatement is recommended
	Crawl Space	Transite Pipes		√			Located below room 150 – monitor condition. Material is intact and non-friable
	Above Suspened ceilings / wall spaces	TSI		√			Assume spaces above ceilings and wall spaces contain TSI – test before disturbing ,material

NOTE: As per CCC, bldg.. updated in 2009-assume suspect tile under carpet & some ACBM above suspended ceiling-maintenance done by CCC staff.
Damage Category 1 *means* damaged or significantly-damaged thermal system insulation ACM.
Damage Category 2 *means* damaged friable surfacing ACM.
Damage Category 3 *means* significantly-damaged friable surfacing ACM.
Damage Category 4 *means* damaged or significantly-damaged friable miscellaneous ACM
Damage Category 5 *means* ACBM with the potentials for damage.
Damage Category 6 *means* ACBM with the potential for significant damage.
Damage Category 7 means other friable ACBM or suspected ACBM.
Damaged means exhibiting up to 10% distributed, or up to 25% localized damage over the surface of the material.
Significantly Damaged means exhibiting greater than 10% distributed, or greater than 25% localized damage over the surface of the material.
√ AHERA regulations do not require inspectors to assess non-friable materials unless those materials, once deemed non-friable, have subsequently become friable. The materials indicated were non-friable at the time of the inspection. These materials may become friable through damage caused by many factors including, but not limited to: water, impact. abrasion, maintenance activities, etc. Should any of these materials become friable, the material(s) must be assessed and placed in one of the AHERA specified damage categories.

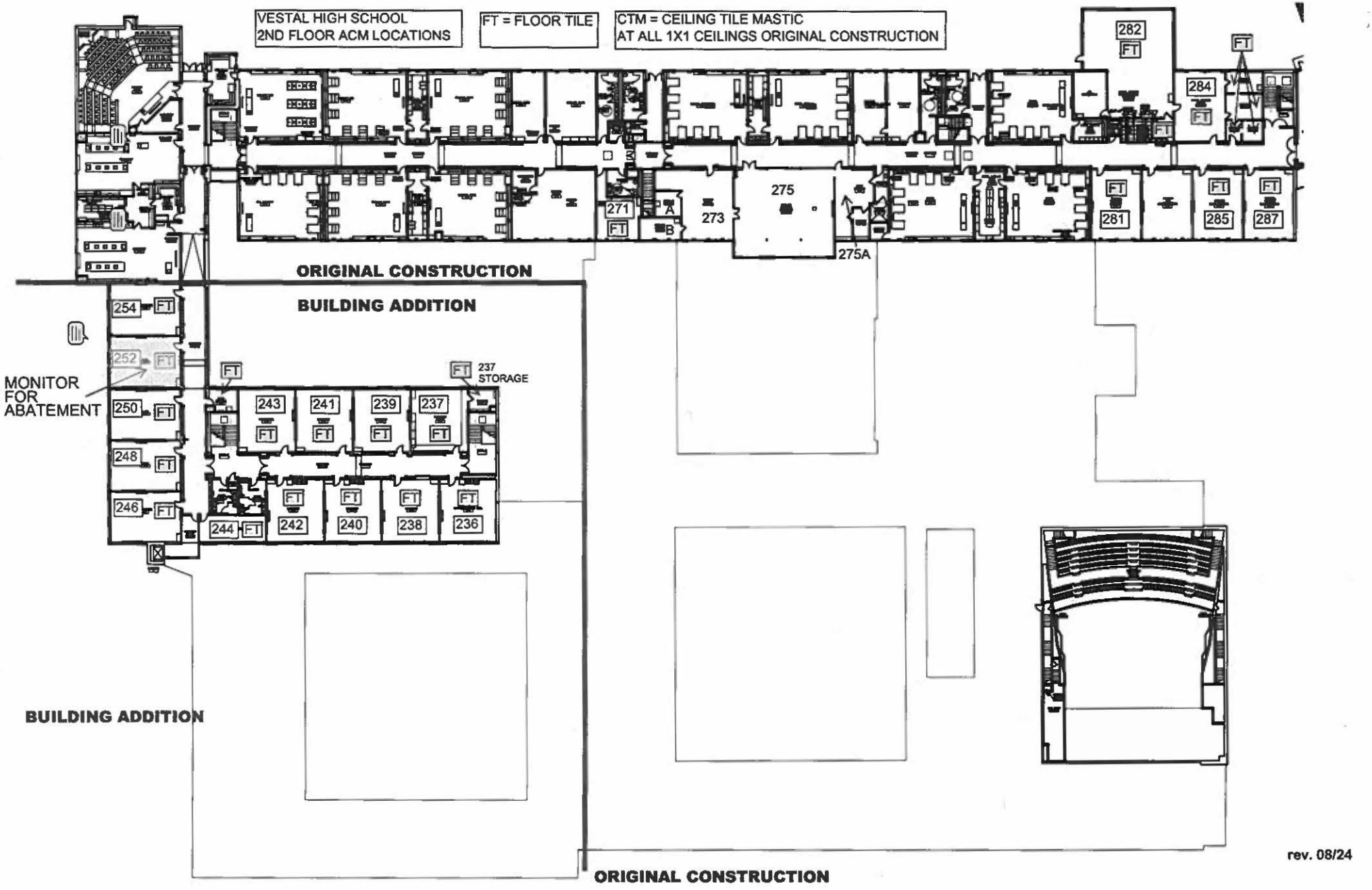

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S.
ALEXANDER FRAME
CLASS(EXPIRES)
D INSP (09/26) E MGPL (09/26)
G SUPR (09/26)
MUST BE CARRIED ON ASBESTOS PROJECTS


VESTAL HIGH SCHOOL
BASEMENT ACM LOCATIONS
FT = FLOOR TILE
CTM = CEILING TILE MASTIC
AT ALL 1X1 CEILINGS ORIGINAL CONSTRUCTION
TD = TRANSITE
DUCTWORK
ORIGINAL CONSTRUCTION
BUILDING ADDITION
BUILDING ADDITIO
ORIGINAL CONSTRUCTION
TD
FT
B40
B42
B44
B46
B48

rev. 08/24


VESTAL HIGH SCHOOL
1ST FLOOR ACM LOCATIONS
FT = FLOOR TILE
TS = TRANSITE SKYLIGHTS
CTM = CEILING TILE MASTIC
AT ALL 1X1 CEILINGS ORIGINAL CONSTRUCTION
ORIGINAL CONSTRUCTION
BUILDING ADDITION
BUILDING ADDITION
ORIGINAL CONSTRUCTION
POOL CATWALK
TS
FT
TSI
159
161.1
171
171.1
105.5
185
187
154
135
133
145A
145
143
141
148
146
142
140
136
A
B

rev. 08/24


VESTAL HIGH SCHOOL
2ND FLOOR ACM LOCATIONS
FT = FLOOR TILE
CTM = CEILING TILE MASTIC
AT ALL 1X1 CEILINGS ORIGINAL CONSTRUCTION
ORIGINAL CONSTRUCTION
BUILDING ADDITION
MONITOR FOR ABATEMENT
237 STORAGE
275
275A
273
271
BUILDING ADDITION
ORIGINAL CONSTRUCTION
rev. 08/24

APPENDIX B

1. LIMITED **ASBESTOS** SAMPLING/TESTING REPORT
2. AHERA 2025 THREE YEAR REINSPECTION CLAYTON AVE ELEMENTARY SCHOOL

LIMITED **ASBESTOS** SAMPLING/TESTING REPORT

ATLANTIC TESTING LABORATORIES
A PHENNA GROUP COMPANY

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

November 7, 2025

Vestal Central School District
201 Main Street
Vestal, New York 13850

Attn: Jeff Bond
Project Manager (LeChase Construction)

Re: Directed Bulk Sampling and Analysis
2022 Capital Improvement Project
Clayton Avenue Elementary School
Vestal Central School District
Vestal, New York
ATL Report No. ET5375AB-01-11-25

In accordance with the scope of services outlined in our contract (ATL No. ET5998-770-12-24), dated December 5, 2024, and authorized by Eric La Clair, BOE President, on December 17, 2024, Atlantic Testing Laboratories, Limited (ATL) performed directed bulk sampling. These services were performed on October 27, 2025. The project consisted of the collection of bulk samples of various suspect asbestos-containing materials (ACM) located above ceiling areas of select areas of the second floor, gymnasium, and auditorium at the Clayton Avenue Elementary School, located at 209 Clayton Avenue, Vestal, Broome County, New York.

Summary of Sampling Activities

Suspect Asbestos-Containing Materials

The suspect ACM included 7 homogenous building materials, from which a total of 20 bulk samples were collected and subsequently submitted to AmeriSci New York, a New York State Department of Health (NYSDOH) approved laboratory (ELAP No. 11480), for analysis by polarized light microscopy (PLM) and transmission electron microscopy (TEM), as necessary. The laboratory reports and sample custody documentation are enclosed in Appendix A. Copies of pertinent certifications are enclosed in Appendix B.

The materials determined to be ACM, as identified during the bulk sampling and asbestos analysis event described herein, are summarized in the table below. The ACM quantities and locations are approximate, and must be verified by the asbestos abatement contractors prior to providing actual cost quotations and/or initiating abatement activities.

Material	Directed Bulk Sampling Area	Friable/ ACM Type	Condition	Reference Sample Numbers	Estimated Quantity in Sampling Area
Black Vapor Barrier Tar (Underside of Roof Deck, Above Ceilings)	**Room 214 and Gymnasium**	**N/M**	**Fair**	**ET5375AB01A102725 ET5375AB01B102725 ET5375AB01C102725**	**8,972 Sq Ft**

Acronyms for Materials:
CFT = Ceramic Floor Tile
CWT = Ceramic Wall Tile
EPDM = Ethylene Propylene Diene Monomer
HVAC = Heating, Ventilation, and Air Conditioning
TSI = Thermal System Insulation

Abbreviations for Friable/ACM Type:
Y = Yes | N= No | M = Miscellaneous | S = Surfacing | T = Thermal System Insulation

Descriptions for Conditions:
The listed conditions of Good, Fair, and Poor generally correspond with the AHERA descriptions of Good, Damaged, and Significantly Damaged for different types of materials.

Non-Asbestos-Containing Materials

The materials determined to be non-ACM, as identified during the bulk sampling and asbestos analysis event described herein, are listed below.

- Gray Base Coat Ceiling Plaster located within the Gymnasium and Auditorium.
- White 1-by 1-Foot Pinholed and Fissured Ceiling Tile and Associated Brown Adhesive located within the Gymnasium.
- White 1- by 1-Foot Pinholed Ceiling Tile and Associated Brown Adhesive located within the Auditorium.
- White 2-by 4-Foot Pinholed Ceiling Tile located within the Auditorium.

Sampling Program Limitations

Samples were collected as directed by Jon Cary, representing LeChase Construction Services, LLC. This report shall not be used as asbestos abatement specifications or design documents. The field data and findings presented in this report are based on the observations made by representatives of ATL at the time of the sampling event.

Concealed regulated ACM may exist within the Clayton Avenue Elementary School that may be encountered during renovation activities. If any suspect ACM is encountered during renovation activities, the activities disturbing the suspect ACM must stop and the material should be sampled and laboratory analyzed in accordance with applicable regulations.

Summary of Findings

The following summary of findings is prepared from ATL's understanding that material-specific sampling and analysis was requested within the specified area of the referenced building.

1. The **Black Vapor Barrier Tar** was determined to be **ACM**.

2. The **remaining 6 materials** were determined to be **non-ACM**.

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

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Jordan L. Stachowiak
Project Scientist

JLS/ASA/dp

Enclosures

cc: Jon Cary – Jon.Cary@lechase.com

APPENDIX A

LABORATORY REPORTS AND CUSTODY DOCUMENTATION

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

PLM Bulk Asbestos Report

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

Canton, NY 13617

Date Received 10/29/2025 **AmeriSci Job #** 225103230
Date Examined 11/03/25 **P.O. #** 23932 / 23934
ELAP # 11480 **Page** 1 **of** 4
RE: ET5375; Clayton Avenue Elementary; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5375AB01A102725 01	225103230-01	***Yes***	5.4% (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	
Location: Room 214 - Vapor Barrier Tar **Analyst Description:** Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.4% **Other Material:** Non-fibrous 17%				
ET5375AB01B102725 01	225103230-02		NA/PS	
Location: Gymnasium - Vapor Barrier Tar **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**				
ET5375AB01C102725 01	225103230-03		NA/PS	
Location: Gymnasium - Vapor Barrier Tar **Analyst Description:** Bulk Material **Asbestos Types:** **Other Material:**				
ET5375AB02A102725 02	225103230-04	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 11/03/25	
Location: Gymnasium - Gray Base Coat **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5375AB02B102725 02	225103230-05	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 11/03/25	
Location: Gymnasium - Gray Base Coat **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5375AB02C102725 02	225103230-06	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 11/03/25	
Location: Gymnasium - Gray Base Coat **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5375; Clayton Avenue Elementary; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5375AB02D102725 02	225103230-07	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 11/03/25	
Location: Auditorium - Gray Base Coat **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5375AB02E102725 02	225103230-08	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 11/03/25	
Location: Auditorium - Gray Base Coat **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5375AB02F102725 02	225103230-09	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 11/03/25	
Location: Auditorium - Gray Base Coat **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5375AB02G102725 02	225103230-10	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 11/03/25	
Location: Auditorium - Gray Base Coat **Analyst Description:** Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
ET5375AB03A102725 03	225103230-11	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
Location: Gymnasium - Brown Ceiling Tile Adhesive **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 46%				
ET5375AB03B102725 03	225103230-12	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
Location: Gymnasium - Brown Ceiling Tile Adhesive **Analyst Description:** Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 49%				
ET5375AB04A102725 04	225103230-13	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
Location: Gymnasium - 1x1 Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15%				

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5375; Clayton Avenue Elementary; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
ET5375AB04B102725 04 **Location:** Gymnasium - 1x1 Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28%	225103230-14	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
ET5375AB05A102725 05 **Location:** Auditorium - Brown Ceiling Tile Adhesive **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 45%	225103230-15	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
ET5375AB05B102725 05 **Location:** Auditorium - Brown Ceiling Tile Adhesive **Analyst Description:** Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 45%	225103230-16	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
ET5375AB06A102725 06 **Location:** Auditorium - 1x1 Ceiling Tile **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 76%	225103230-17	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
ET5375AB06B102725 06 **Location:** Auditorium - 1x1 Ceiling Tile **Analyst Description:** Brown/White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 78%	225103230-18	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
ET5375AB07A102725 07 **Location:** Auditorium - 2x4 Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 27%	225103230-19	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*
ET5375AB07B102725 07 **Location:** Auditorium - 2x4 Ceiling Tile **Analyst Description:** White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 30%	225103230-20	***No***	Inconclusive - NAD (NOB by NYS ELAP 198.6) by Bo Sun on 11/03/25	*1*

See Reporting notes on last page

PLM Bulk Asbestos Report

ET5375; Clayton Avenue Elementary; Binghamton, NY

Reporting Notes:

(1) NAD results by NYS 198.6 are inconclusive and are not considered non-ACM

Analyzed by: Bo Sun
Date: 11/3/2025

Reviewed by: Marik Peysakhov

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229003, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

_____END OF REPORT_____

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5375; Clayton Avenue Elementary; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	ET5375AB01A102725	01	0.202	70.0	6.9	17.7	Chrysotile 5.4	NA
Location:	Room 214 - Vapor Barrier Tar							
02	ET5375AB01B102725	01	0.206	63.8	12.5	23.7	NA/PS	NA
Location:	Gymnasium - Vapor Barrier Tar							
03	ET5375AB01C102725	01	0.395	45.6	16.9	37.5	NA/PS	NA
Location:	Gymnasium - Vapor Barrier Tar							
04	ET5375AB02A102725	02	----	----	----	----	NAD	NA
Location:	Gymnasium - Gray Base Coat							
05	ET5375AB02B102725	02	----	----	----	----	NAD	NA
Location:	Gymnasium - Gray Base Coat							
06	ET5375AB02C102725	02	----	----	----	----	NAD	NA
Location:	Gymnasium - Gray Base Coat							
07	ET5375AB02D102725	02	----	----	----	----	NAD	NA
Location:	Auditorium - Gray Base Coat							
08	ET5375AB02E102725	02	----	----	----	----	NAD	NA
Location:	Auditorium - Gray Base Coat							
09	ET5375AB02F102725	02	----	----	----	----	NAD	NA
Location:	Auditorium - Gray Base Coat							
10	ET5375AB02G102725	02	----	----	----	----	NAD	NA
Location:	Auditorium - Gray Base Coat							
11	ET5375AB03A102725	03	0.224	49.2	4.7	46.1	NAD	NAD
Location:	Gymnasium - Brown Ceiling Tile Adhesive							
12	ET5375AB03B102725	03	0.296	47.5	3.3	49.2	NAD	NAD
Location:	Gymnasium - Brown Ceiling Tile Adhesive							
13	ET5375AB04A102725	04	0.304	8.6	76.3	15.1	NAD	NAD
Location:	Gymnasium - 1x1 Ceiling Tile							
14	ET5375AB04B102725	04	0.242	13.2	58.4	28.4	NAD	NAD
Location:	Gymnasium - 1x1 Ceiling Tile							
15	ET5375AB05A102725	05	0.264	46.1	8.6	45.3	NAD	NAD
Location:	Auditorium - Brown Ceiling Tile Adhesive							
16	ET5375AB05B102725	05	0.227	49.6	5.4	45.0	NAD	NAD
Location:	Auditorium - Brown Ceiling Tile Adhesive							

See Reporting notes on last page

Client Name: Atlantic Testing Laboratories, Limited

Table I
Summary of Bulk Asbestos Analysis Results by NYS ELAP 198.4

ET5375; Clayton Avenue Elementary; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	NOB Sample Weight (gram)	NOB Heat Sensitive Organic %	NOB Acid Soluble Inorganic %	NOB Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	ET5375AB06A102725	06	0.253	11.4	11.9	76.7	NAD	NAD
Location:	Auditorium - 1x1 Ceiling Tile							
18	ET5375AB06B102725	06	0.331	12.1	8.9	78.9	NAD	NAD
Location:	Auditorium - 1x1 Ceiling Tile							
19	ET5375AB07A102725	07	0.235	14.8	57.7	27.5	NAD	NAD
Location:	Auditorium - 2x4 Ceiling Tile							
20	ET5375AB07B102725	07	0.248	15.0	54.7	30.2	NAD	NAD
Location:	Auditorium - 2x4 Ceiling Tile							

Analyzed by: Marik Peysakhov
Date: 11/3/2025

Reviewed by: Marik Peysakhov

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or NYSDOH ELAP 198.1 for New York friable samples or NYSDOH ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or NYSDOH ELAP 198.4; for New York samples). Analysis using Hitachi, Model H7000-Noran 7 System, Microscope, Serial #: 747-05-06. NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, NJ Lab ID #NY031.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

№ 23932

#2251032230

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/383-9144 (T)
518/383-9166 (F)
labsAT@atlantictesting.com

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607/773-1835 (F)
labsET@atlantictesting.com

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315/386-1012 (F)
labsCT@atlantictesting.com

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607/737-0714 (F)
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845/691-6099 (F)
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585/427-9021 (F)
labsRT@atlantictesting.com

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6085 Court Street Road
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315/699-3374 (F)
labsST@atlantictesting.com

Utica
301 St. Anthony Street
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315/735-3309 (T)
315/735-0742 (F)
labsUT@atlantictesting.com

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)
labsWT@atlantictesting.com

Project No.	Project Name	Date Collected
ET5375	Clayton Avenue Elementary	10/27/25
Project Contact:	Andrew Amell	Page 1 of 1
Project Location:	Binghamton, NY	

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☒ 5day ☐ _____

Special Instructions:
- ☒ Positive Stop Analysis
- ☒ If negative by PLM-NOB, analyze by TEM-NOB
- ☐ Other _____

Report Distribution

Send Reports To (ATL Office): labsET@atlantictesting.com
ATL Contact: A. Amell
Send Copy To:
Email Results: @atlantictesting.com

Field Sample No.	Sample Location	Sample Description	Analysis Requested: PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
ET5375AB01A102725	Room 214	Vapor Barrier Tar		X				
ET5375AB01B102725	Gymnasium	Vapor Barrier Tar		X				
ET5375AB01C102725	Gymnasium	Vapor Barrier Tar		X				
ET5375AB02A102725	Gymnasium	Gray Base Coat	X					
ET5375AB02B102725	Gymnasium	Gray Base Coat	X					
ET5375AB02C102725	Gymnasium	Gray Base Coat	X					
ET5375AB02D102725	Auditorium	Gray Base Coat	X					
ET5375AB02E102725	Auditorium	Gray Base Coat	X					
ET5375AB02F102725	Auditorium	Gray Base Coat	X					
ET5375AB02G102725	Auditorium	Gray Base Coat	X					
ET5375AB03A102725	Gymnasium	Brown Ceiling Tile Adhesive		X				
ET5375AB03B102725	Gymnasium	Brown Ceiling Tile Adhesive		X				
ET5375AB04A102725	Gymnasium	1x1 Ceiling Tile		X				

Sampler's Name:	Dylan Putnam	Date:	10/28/25	Received at Laboratory (Name):	B. Howe
Sampler's Signature:		Time:	0839	Laboratory Signature:	

Date: 10/29/25 Time: 1115 — Shipment Rec'd Intact ☐ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Field and Laboratory Remarks:
Name:	Dylan Putnam	Date:	10/28/25	Name:	FED EX	Date:	10/28/25	
Signature:		Time:	1630	Signature:		Time:	1630	
Name:		Date:		Name:		Date:		
Signature:		Time:		Signature:		Time:		

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ATLANTIC TESTING LABORATORIES

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

№ 23934

#2251032230

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F), labsAT@atlantictesting.com

Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F), labsET@atlantictesting.com

Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F), labsCT@atlantictesting.com

Elmira 2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F), labsHT@atlantictesting.com

Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F), labsPL@atlantictesting.com

Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F), labsPT@atlantictesting.com

Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F), labsRT@atlantictesting.com

Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F), labsST@atlantictesting.com

Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F), labsUT@atlantictesting.com

Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F), labsWT@atlantictesting.com

Project No.	Project Name	Date Collected
ET5375	Clayton Avenue Elementary	10/27/25 Page 1 of 1

Laboratory Instructions		Report Distribution	
Turn-Around-Time:	☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☒ 5day ☐ _____	Send Reports To (ATL Office):	labsET@atlantictesting.com
		ATL Contact:	A. Amell
Special Instructions:	☒ Positive Stop Analysis ☒ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other _____	Send Copy To:	
		Email Results:	@atlantictesting.com

Project Contact:	Andrew Amell
Project Location:	Binghamton, Ny

Field Sample No.	Sample Location	Sample Description	Analysis Requested: PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
ET5375AB01B102725	Gymnasium	1x1 Ceiling Tile		X				
ET5375AB03A102725	Auditorium	Brown Ceiling Tile Adhesive		X				
ET5375AB03B102725	Auditorium	Brown Ceiling Tile Adhesive		X				
ET5375AB06A102725	Auditorium	1x1 Ceiling Tile		X				
ET5375AB06B102725	Auditorium	1x1 Ceiling Tile		X				
ET5375AB07A102725	Auditorium	2x4 Ceiling Tile		X				
ET5375AB07B102725	Auditorium	2x4 Ceiling Tile		X				

Sampler's Name:	Dylan Putnam	Date:	10/28/25	Received at Laboratory (Name):	B. Hoss	Date:	10/29/25	Shipment Rec'd Intact
Sampler's Signature:		Time:	0839	Laboratory Signature:		Time:	1115	☐ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Field and Laboratory Remarks:
Name:	Dylan Putnam	Date:	10/28/25	Name:		Date:	10/28/25	
Signature:		Time:	1630	Signature:	Fed Ex	Time:	1630	
Name:		Date:		Name:		Date:		
Signature:		Time:		Signature:		Time:		

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

APPENDIX B

CERTIFICATIONS

Asbestos Certificate Code Classifications

The following letter codes shown on the enclosed asbestos certificates represent the corresponding asbestos classifications:

A - Asbestos Handler
B - Allied Trades
C - Air Sampling Technician
D - Building Inspector
E - Management Planner
F - Operations & Maintenance
G - Asbestos Supervisor
H - Asbestos Project Monitor
I - Asbestos Project Designer

WE ARE YOUR DOL

NEW YORK STATE | Department of Labor

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

ASBESTOS HANDLING LICENSE

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

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

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

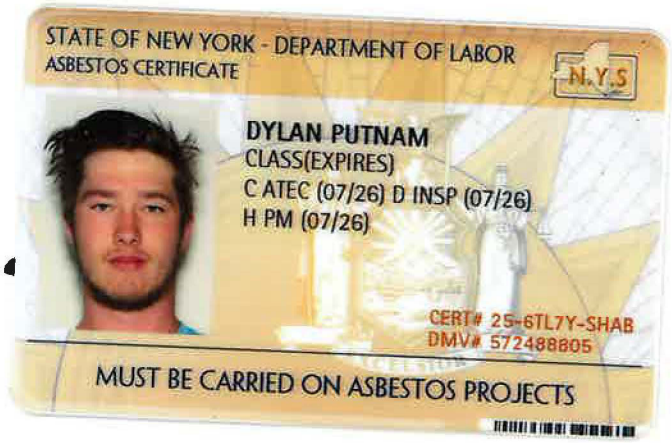
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate,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

Amy Phillips, Director
For the Commissioner of Labor

ATLANTIC TESTING LABORAT RIES

WBE certified company

S use
6085 Co t Street Road
Syracuse, NY 13206
315-699-5281 (T)
atlantictesting.com



ATLANTIC TESTING LAB RATORIES

WBE certified company

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315-699-5281 (T)
atlantictesting.com

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

01213 00763916226

New York State Department of Health Certificate of Asbestos Safety Training

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

Certificate No. 978553

I –To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Dylan Putnam	572 488 805	
Signature of Trainee	Telephone Number	Date of Birth[1]
	315-418-8032	07/14/1998

Address 1309 Rowley Jerome Rd Fulton, Ny 13063

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

II—To be completed by Training Sponsor

Provider's Name	Telephone Number
Atlantic Testing Laboratories, Limited	315-386-4578
Address 6714 S. Pitcher Hill Canton, New York	Course Location: AtLS Syracuse office 6085 court st, east Road Syracuse, New York 13206
Zip Code 13617	

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

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

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

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

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

STUDENT

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

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

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

NY Lab Id No: 11480

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

Miscellaneous

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

Serial No.: 70488

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200546-0

AmeriSci New York

New York, NY

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

Asbestos Fiber Analysis

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

2025-07-01 through 2026-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

AHERA 2025 THREE YEAR REINSPECTION CLAYTON AVE ELEMENTARY SCHOOL

THE STATE EDUCATION DEPARTMENT / THE UNIVERSITY OF THE STATE OF NEW YORK

Office of Facilities Planning, 89 Washington Avenue, Room 1060 Education Building Annex, Albany, NY 12234
Telephone: (518) 474-3906
Email: emscfp@nysed.gov
Website: http://www.p12.nysed.gov/facplan/

February 2025

TO: District Superintendents
Superintendents of Schools
Nonpublic School Administrators
Charter School Administrators

FROM: Sara Madison, RA

SUBJECT: AHERA 2025 Re-inspection Reminder

AHERA Re-inspection Overview

The federal Asbestos Hazard Emergency Response Act (AHERA) requires all public and nonpublic elementary and secondary schools to be re-inspected for all known or assumed asbestos-containing building materials (ACBM), friable and non-friable, in all facilities which are owned, leased, or otherwise used as a school building every three years. The 2025 triennial re-inspection must be completed no later than July 8, 2025.

If a school was built after October 12, 1988, the architect or engineer responsible for its construction must sign a statement that "no ACBM were specified as building materials in any construction document for the building, or to the best of his/her knowledge, no ACBM was used as a building material in the building." If an existing building that is to be used as a school building, is leased or acquired on or after October 12, 1988, it must be inspected for ACBM prior to its use as a school building if no such statement is available. In the event it is necessary to use a building that has not been inspected for ACBM, the building must be inspected for ACBM within 30 days after the start of such use.

The re-inspection process may only be performed by a person certified by the State Department of Labor (DOL) as an asbestos inspector. The re-inspection does not require a new AHERA management plan, however, it does require a new section in the existing plan that reflects the 2025 re-inspection. This new section must be developed by a person certified by DOL as an asbestos management planner. The overall AHERA re-inspection process is the ultimate responsibility of the school's asbestos designee. Guidance for the designee is available at:
https://www.epa.gov/sites/production/files/documents/ampauditchecklist_0.pdf.

Public School Reporting

In conjunction with the required AHERA triennial re-inspection, all New York State public school districts (including BOCES and charter schools) should complete and submit a 2025 AHERA Triennial Report to the Commissioner of Education no later than September 1, 2025. The 2025 AHERA Triennial Report can be accessed at:

https://www.surveymonkey.com/r/5GYTKMM

For further information and assistance on AHERA, contact your BOCES Health and Safety Office, Facilities Planning at 518-474-3906, or see
https://www.epa.gov/asbestos/school-buildings#requirements.

2025 Asbestos Hazard Emergency Response Act (AHERA) Triennial Survey Report

*** 1. Name of BOCES, School District, or Charter School**

Vestal Central School District

*** 2. Is this a BOCES, School District, or Charter School?**

- [ ] BOCES
- [x] School District
- [ ] Charter School

*** 3. BOCES, School District, or Charter School BEDS code:**

03160106

*** 4. Were any buildings constructed or leased after October 12, 1988?**

- ◯ Yes
- ⊗ No

*** 5. If any buildings were constructed or leased after October 12, 1988, is there a letter on file for each such building from the architect/engineer responsible for the building design, certifying that to the best of his/her knowledge, no asbestos containing building material used in the construction of the building?**

- ◯ Yes
- ◯ No
- ⊗ N/A - no buildings constructed/leased after 10/12/1988

*** 6. Did an individual(s) certified by the New York State Department of Labor as an asbestos inspector conduct an AHERA reinspection in 2025 of all known and assumed asbestos containing building material in ALL facilities which are owned, leased, or otherwise used as school buildings? (This includes both instructional and non-instructional facilities.)**

- (X) Yes
- ( ) No
- ( ) NA - building constructed/leased after 10/12/88 and 'no asbestos' letter from architect/engineer on file

*** 7. Please provide the name and DOL certification number for the individual described in Question 6 above.**

Asbestos Inspector's Name: Alexander Frame

Asbestos Inspector's DOL Certification Number: 25-6ZTK8-SHAB

*** 8. Did an individual(s) certified by the New York State Department of Labor as an asbestos management planner update the existing AHERA management plans to reflect the 2025 reinspection for ALL facilities which are owned, leased, or otherwise used as school buildings? (This includes both instructional and non-instructional facilities.)**

- [X] Yes
- [ ] No
- [ ] N/A - no asbestos present district-wide

*** 9. Please provide the name and DOL certification number for the individual described in Question 8 above.**

Asbestos Management Planner's Name: Alexander Frame

Asbestos Management Planner's DOL Certification Number: 25-6ZTK8-SHAB

*** 10. What is the name and contact information of the asbestos (AHERA) designated person for this BOCES, School District, or Charter School?**

First Name	Jed
Last Name	Frost
Email Address	jfrost@vestalcsd.org
Telephone Number	607-788-0965

Done

Greater Southern Tier BOCES

Innovation in creating student success through cooperative services

MEMO

TO: Jed Frost
FROM: Alex Frame, NYS Cert # 25-6ZTK8-SHAB
DATE: 5/29/2025

RE: Vestal Central School District 2025 Triennial Asbestos Surveillance with Findings with Response Actions Required

Attached are the results of the 2025 Triennial asbestos surveillance which was performed on 5/28/2025 by Alex Frame. All action items are in the notes column in bold font, please take care of these items as soon as possible.

Please include a statement in the next newsletter to notify the public that the required surveillance has been completed. Examples of public notices are included below for your information.

"GST BOCES has completed the inspection of all schools and buildings in accordance with the laws regarding asbestos as a potential health hazard for students, employees and visitors.

Also, a management plan has been developed in compliance with the Asbestos Hazard Emergency Response Act, which includes training of maintenance staff for safe handling, periodic re- inspection, surveillance and limited abatement by trained personnel. A copy of this management plan is available upon request by contacting Jed Frost at 607-788-0965,"
OR

"GST BOCES has successfully completed the inspection of all schools and buildings in accordance with the Asbestos Hazard Emergency Response Act.

For details or to obtain a copy of the management plan, contact Jed Frost at 607-788-0965."

Please also notify the BOE that the Triennial surveillance has been completed. (This is an SED requirement.)

I can be reached at 739-3581, X1476 if you have questions. Thank you for the opportunity to work with GST BOCES.

Location: **Vestal Clayton Ave. Elementary School**, 209 Clayton Ave Vestal, NY 13850
Date of **6 Mo. Surveillance**: 5/28/2025 Date report sent to Management Planner: 5/28/2025
Performed by: Alex Frame, NYS Cert # 25-6ZTK8-SHAB Inspector Signature:

Functional Space #	Location	ACM	Quantity	Damage category	Removed	Remaining	Response actions/Notes
	Room 101	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 102	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 103	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 104	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 105	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 108	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 109	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 110	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 111	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 111B	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 113	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 115 Nurses	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 129 Cafeteria	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Auditorium Entrance East	VAT 9x9		√			VAT located throughout classroom – abatement recommended

	Auditorium Entrance West	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Stair F (Gym -SE)	VAT 9x9		√			VAT located on stairwell – abatement recommended
	Stair G (Gym- NE)	VAT 9x9		√			VAT located on stairwell – abatement recommended
	Room 201	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 204	VAT 9x9		√			VAT located under carpet – abatement recommended
	Room 205	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	2nd Floor Janitor Closet	VAT 9x9		√			VAT located throughout room – abatement recommended
	Room 208	VAT 9x9		√			VAT located under carpet – abatement recommended
	Room 209	VAT 9x9		√			VAT located under carpet – abatement recommended
	Room 210	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 211	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 212	VAT 9x9		√			VAT located throughout classroom – abatement recommended
	Room 217 Janitor closet	VAT 9x9		√			VAT located throughout room – abatement recommended
	Library	VAT 9x9		√			VAT located under carpet – abatement recommended
	Auditorium East and West entrances	ACM Acoustic Plaster Ceiling		√			Monitor condition- Material is intact and in good condition
	Main Corridor	TSI		√			Located above plaster ceiling. Area is inaccessible
	Rooms 144, 145,and 146	Glue dots		√			Material should be tested before any planned disturbance
	Above ceilings throughout building	TSI		√			Assume all ceiling spaces that have been undisturbed or inaccessible

							areas contain TSI

NOTE: As per CCC, bldg.. updated in 2009-assume suspect tile under carpet & some ACBM above suspended ceiling-maintenance done by CCC staff.

Damage Category 1 *means* damaged or significantly-damaged thermal system insulation ACM.

Damage Category 2 *means* damaged friable surfacing ACM.

Damage Category 3 *means* significantly-damaged friable surfacing ACM.

Damage Category 4 *means* damaged or significantly-damaged friable miscellaneous ACM

Damage Category 5 *means* ACBM with the potentials for damage.

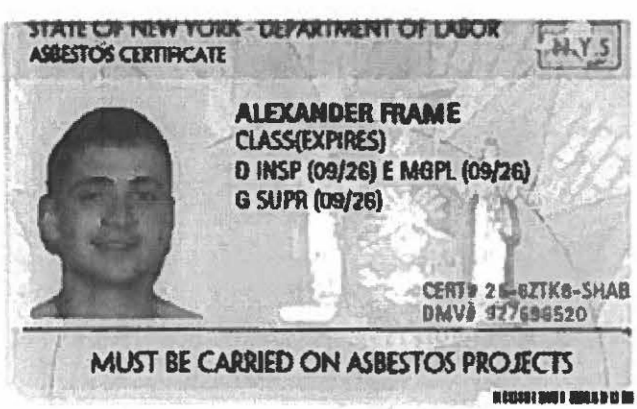
Damage Category 6 *means* ACBM with the potential for significant damage.

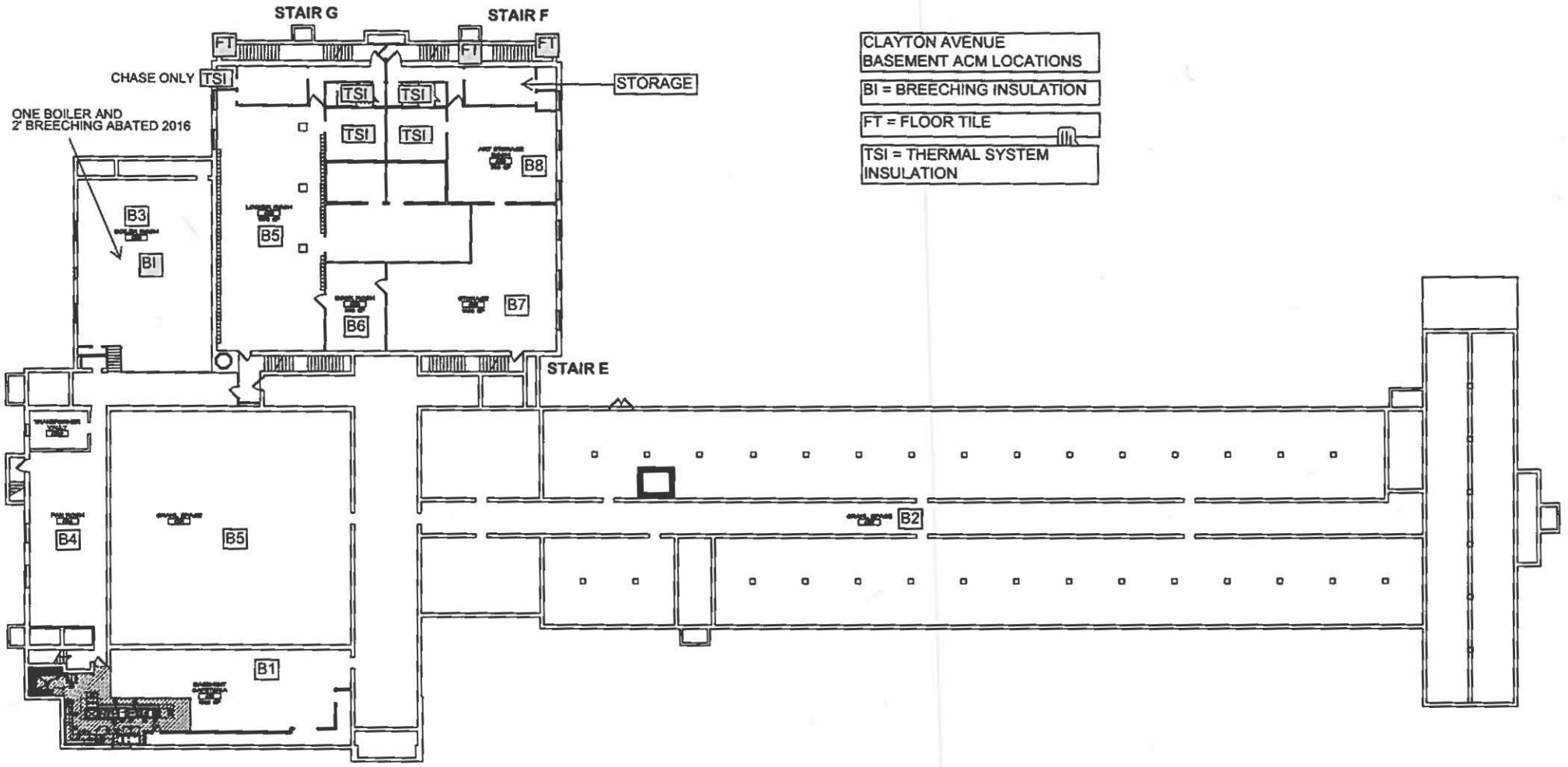
Damage Category 7 means other friable ACBM or suspected ACBM.

Damaged means exhibiting up to 10% distributed, or up to 25% localized damage over the surface of the material.

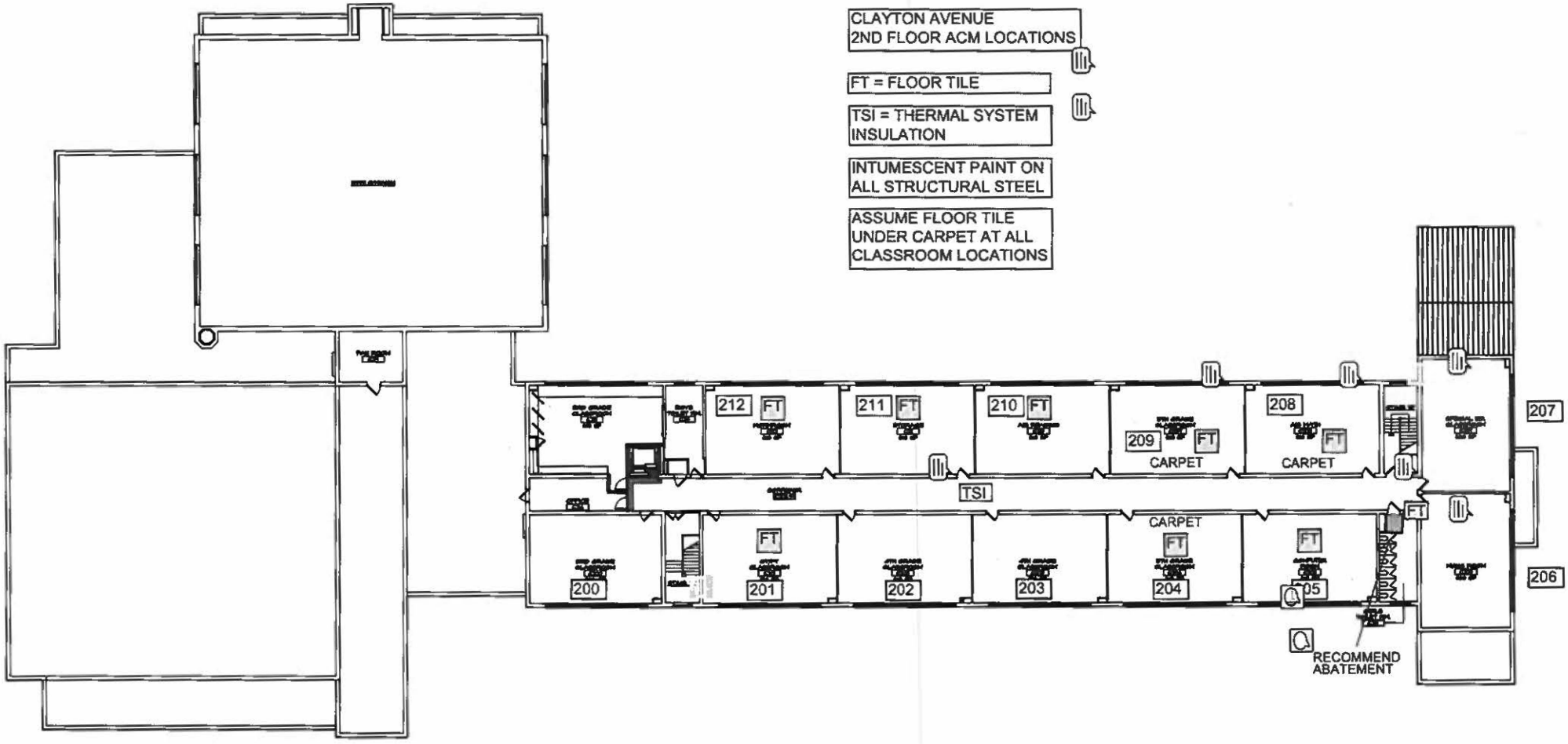
Significantly Damaged means exhibiting greater than 10% distributed, or greater than 25% localized damage over the surface of the material.

√ AHERA regulations do not require inspectors to assess non-friable materials unless those materials, once deemed non-friable, have subsequently become friable. The materials indicated were non-friable at the time of the inspection. These materials may become friable through damage caused by many factors including, but not limited to: water, impact. abrasion, maintenance activities, etc. Should any of these materials become friable, the material(s) must be assessed and placed in one of the AHERA specified damage categories.


STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S.
ALEXANDER FRAME
CLASS(EXPIRES)
D INSP (09/26) E MGPL (09/26)
G SUPR (09/26)
MUST BE CARRIED ON ASBESTOS PROJECTS


STAIR G
STAIR F
FT
FT
FT
CHASE ONLY
TSI
STORAGE
TSI
TSI
TSI
TSI
ONE BOILER AND
2' BREECHING ABATED 2016
B8
B3
B5
BI
B7
B6
STAIR E
B4
B5
B2
B1
CLAYTON AVENUE
BASEMENT ACM LOCATIONS
BI = BREECHING INSULATION
FT = FLOOR TILE
TSI = THERMAL SYSTEM
INSULATION

rev. 07/24


CLAYTON AVENUE
2ND FLOOR ACM LOCATIONS
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION
INTUMESCENT PAINT ON ALL STRUCTURAL STEEL
ASSUME FLOOR TILE UNDER CARPET AT ALL CLASSROOM LOCATIONS
212
FT
211
FT
210
FT
209
FT
CARPET
208
FT
CARPET
207
TSI
FT
CARPET
200
201
FT
202
203
204
FT
205
FT
206
RECOMMEND ABATEMENT

rev. 07/24