

**AGREEMENT BETWEEN THE VERNON BOARD OF
EDUCATION**

ONE SOURCE ENVIRONMENTAL, LLC

**ASBESTOS ABATEMENT AND DEBRIS REMOVAL AT CENTER
ROAD SCHOOL**

This agreement, made and concluded by and between the **TOWN OF VERNON BOARD OF EDUCATION**, a Local Education Agency organized and existing under the laws of the State of Connecticut, acting herein by its Director of Business and Finance, duly authorized, hereinafter designated the "Board" or "Town" and **One Source Environmental, LLC**, designated "Contractor."

A. WITNESSETH, that said Contractor has agreed, and by these presents does for his, their, or its heirs, executors, Directors, successors, and assigns covenant, promise and agree to and with the said Board, for the consideration hereinafter mentioned and contained, that the said Contractor shall and will, at his, its, or their own proper charge, cost and expense furnish all services in accordance with this contract and the specifications which are a part hereof, viz:

Asbestos Abatement & Debris Removal

all to be in accordance with the terms of this agreement

B. SCOPE OF SERVICES: For the sum of **\$87,400.00**, the Contractor will provide the described services for the Vernon Board of Education. The term of the agreement will be until the completion of services. Upon completion of the contract term, the contract will expire and services will cease unless renewed in a successor agreement by mutual written consent.

As part of this Agreement, the Contractor will provide:

a. All goods, materials, and services required for as specified in attached drawings (**Exhibit A**) and according to the pricing schedule and proposal (**Exhibit B**). These exhibits are incorporated into this agreement by reference.

C. DIRECTOR OF BUSINESS AND FINANCE TO BE JUDGE: The Director of Business and Finance of the Board and his duly authorized representatives, hereinafter referred to as the "Director" shall be judge of the character, nature and fitness of all the materials and services furnished under this contract.

D. INDEPENDENT CONTRACTOR: The selected Contractor is an independent contractor and is not an employee, partner, or co-venturer of, or in any other service relationship with the Town of Vernon or the Vernon Board of Education. The Contractor is not authorized to speak for, represent, or obligate the Town of Vernon or Vernon Board of Education in any manner without the prior expressed written authorization from the Town of Vernon or Vernon Board of Education.

E. CONTRACTOR RESPONSIBLE FOR WHOLE WORK: The Contractor shall be responsible for the entire work until its final acceptance, and any unfaithful or imperfect work or defective material that may be discovered at any time before said final acceptance shall be immediately corrected or removed by said Contractor on requirement of the Board.

DEFECTS IN MATERIAL: In the case the nature of the defects is such that it is not expedient to have them corrected, the Board shall have the right to deduct from the amount due the Contractor on the final settlement of the accounts such sum of money as he considers a proper equivalent for the difference between the value of the materials specified and that furnished, or a proper equivalent for the damage.

F. PAYMENT SCHEDULE: Based on the total value of this contract, \$87,400.00, as compensation for services rendered to the Board by the Contractor hereunder during the terms of this Agreement, the Board agrees to pay the Contractor as follows:

a. **\$87,400.00- upon completion of services or by August 15, 2025.**

G. CONTINGENT UPON AVAILABILITY OF FUNDS: The Board's obligation under this Contract is contingent upon the availability of appropriated funds from which payment for Contract purposes can be made. No legal liability on the part of the Board for any payment may arise until funds are made available and approved for this Contract and until a Purchase Order has been issued.

H. CHANGE ORDERS: A Change Order is a written order to the Contractor signed by the Board and the Contractor, issued after execution of the Contract, authorizing a change in the Work or an adjustment in the Contract Sum or the Contract Time. The Contract Sum and the Contract Time may be changed only by Change Order. A Change Order signed by the Contractor indicates his agreement therewith, including the adjustment in the Contract Sum or the Contract Time. A Proposed Change Order (PCO) is a written request submitted by either Party requesting a change to the contract price and/or schedule. A Construction Change Directive (CCD) is a written document prepared by the Board directing the Contractor to make changes in the Work where the Board and the Contractor have not reached an agreement on proposed changes in the contract sum or contract time. A Construction Change Directive becomes part of a PCO. Payment for changes in the Work will only be made after a Change Order is signed by the Contractor and executed by the Board.

I. COMMENCEMENT AND COMPLETION OF WORK: The Contractor shall furnish the material contracted within the time stated therefore in the specifications for this work. The work hours will be by mutual agreement. The project will be completed on the time frame that is mutually agreed.

EXTENSION OF TIME: If the Contractor is delayed in the prosecution or completion of the work by or on account of any act or omission of the Town, or by strikes or causes beyond control of the Contractor, he shall be entitled to such reasonable extension of time for the completion of the work as may be decided upon by the Board, provided, however, that no claim for an extension of time for any reason shall be allowed, unless, within three days after such delay occurs, notice in writing of the fact of said delay, its causes, and the extension claimed, shall be given by the Contractor to the Board.

TIME LIMITS: All time limits stated in the Contract Documents are of the essence of the Contract.

CONTRACTOR'S DUTIES AND LIABILITIES: The Contractor shall comply with all local, state and national laws and regulations and with all Town ordinances in the prosecution of the work, and shall secure all necessary permits and licenses. The Town and Board are tax exempt and exempt from permit fees and costs.

J. INDEMNIFICATION/HOLD HARMLESS:

a. The selected Contractor agrees to defend, indemnify and hold harmless the Town of Vernon, Vernon Board of Education and their respective officers, employees, elected officials, agents, servants and volunteers from and against any and all claims, liabilities, obligations, causes of action of whatsoever kind and nature for damages, including but not limited to damage to the premises or other property, and costs of every kind and description arising from its entry upon the premises or arising from work or other activities conducted thereon, alleging but not limited to bodily injury, personal injury, medical malpractice, property damage caused by the Contractor and its employees, contractor, sub-contractors and agents. This indemnification includes the Contractor's duty to defend the Town of Vernon and Vernon Board of Education from any such claims.

b. The Contractor must carry the following minimum insurance coverages:

Commercial General Liability (Vernon Board of Education added as additional insured):

Each Occurrence:	\$1,000,000.00
Personal/Advertising Injury per Occurrence:	\$1,000,000.00

General Aggregate •	\$2,000,000.00
Product/Completed Operations Aggregate•	\$2,000,000.00

**Umbrella
Coverage:**

\$1,000,000.00

Automobile Liability {Vernon Board of Education added as additional insured):

\$1,000,000.00

Each Accident:

\$1,000,000.00

Hired/ Non-owned Auto Liability•

Umbrella/Excess Liability: (following form of general

liability,

auto liability and employer liability):

Each Occurrence.

\$1,000,000.00

General Aggregate•

\$1,000,000.00

Product/Complete Operations Aggregate •

\$1,000,000.00

Workers Compensation/Employers Liability

Workers Compensation Statutory Requirement Set Forth by State of CT Employers Liability.

Each Accident:

\$1,000,000.00

Disease Policy Limit:

\$500,000.00

All insurance may not be canceled or modified without thirty (30) days written notice to the Vernon Public Schools, Director of Business and Finance, 30 Park Street, Vernon, CT 06066.

K. CONTRACTOR LIABLE FOR DAMAGES:

I The Contractor shall indemnify and save harmless the Board, its officer, agents and servants against and from all damages, costs and expenses which they or any of them may suffer by, from or out of any and all claims for payment for materials or labor used or employed in the execution of this contract, and also for injuries or damages received or sustained to person or property, or both, in consequence of or resulting from any work performed by said Contractor, or of or from any act or omission of said Contractor, and said Contractor shall also indemnify and save harmless said Board from all claims under the Workmen's Compensation Act arising under or out of this contract.

I Employees' Compensation Insurance shall be as provided by Connecticut law and custom.

III. See specifications for required types of insurance.

IV. Sub-contractors must be protected by insurance the same as the principal contractor.

V. It is agreed between the parties hereto that the amount of insurance set forth above does not in any way limit the liability of the Contractor to the Board by virtue of his promise to hold the Board harmless so that in the event that any claim results in a settlement or judgement in any amount above said limits, the Contractor shall be liable to the Board for the difference.

VI. Certificates of the insurance company or companies, must be submitted to the Director before the Contractor starts work. Should any insurance expire or be terminated during the period in which the same is required by this contract, the Director shall be notified thirty (30) days in advance and such expired or terminated insurance must be replaced with new insurance and a new certificate furnished to the Director.

VII. Failure to provide the required insurance and certificates may, at the option of the Board, be held to be a willful violation of this Contract.

L. WAIVER OF SUBROGATION REQUIREMENT: The selected Contractor will require all insurance policies in any way related to the work and secured and maintained by the Contractor to include clauses stating each carrier will waive all rights of recovery, under subrogation and otherwise, against the Town of Vernon, Vernon Board of Education and their respective officers, employees, agents, servants, elected officials, and volunteers. The selected Contractor shall require of subcontractors, by appropriate written agreements, similar waivers each in favor of the Town of Vernon and Vernon Board of Education

M. CONTENTS OF CONTRACT: The information for bidders, the proposal, the specifications, together with special

provisions following herewith, and the bond and any and all additions which may be inserted or attached to any, or all of the sections as listed above, together with the drawings named in the information for bidders are made a part of this Contract.

N. AUTHORITY AND DUTIES OF INSPECTOR: An Inspector is a representative (but not a duly authorized representative as referred to in Article C of this Contract) of the Board assigned to make any and all necessary inspections of the work performed and materials furnished by the Contractor. Inspectors shall be authorized to inspect all work done on materials furnished. Such inspection may extend to all or any part of the work and to the preparation of the materials to be used. In case of dispute arising between the Contractor and the Inspector as to materials furnished or the manner of performing the work, the Inspector shall have the authority to reject material or suspend the work until the question at issue can be referred to and decided by the Board.

O. TERMINATION FOR CONVENIENCE: Board may terminate this Contract at any time by a written notice. If the Contract is terminated by the Board as provided herein, the Contractor will be paid for services performed up to the date of termination.

P. LAWS AND JURISDICTION: The parties hereto agree that this contract is subject to the laws and jurisdiction of the State of Connecticut.

Q. DISPUTES: The parties agree that any dispute will be submitted to the Superior Court, Judicial District of Tolland, at Rockville, Connecticut.

R. NOTICES: Any and all notices, consents, approvals, requests and other communications (collectively, "Notices") required to be given or served by the terms and provisions of this Agreement, shall be in writing and signed by the party giving the notice, or by a duly authorized officer or representative, and shall be given (a) by certified or registered mail and shall be deemed delivered on the second business day after the date so mailed; (b) by reputable overnight/express carrier, such as Federal Express, and shall be deemed delivered on the next business day after the date deposited with the carrier; or (c) by hand, and shall be deemed delivered upon receipt thereof. Notice on behalf of either party shall be addressed to that party at the address set forth below, or to such other address as that party hereafter shall furnish by such form of notice to the other party.

If to the Town:

Vernon Public Schools
30 Park Street
Vernon, CT 06066
Attn: Director of Business and Finance

If to the Contractor:

One Source Environmental, LLC
61 Industrial Park Road
Middletown, CT 06457
Attn: Sean Cassidy

S. ENTIRETY OF AGREEMENT: This agreement contains the complete and entire agreement between the parties and shall supersede all prior agreements between the parties in any form.

T. PARTIAL INVALIDITY: If any section, paragraph, sentence or portion of this agreement or the application thereof to any party or circumstance shall, to any extent, be or become invalid or illegal, such provision is and shall be null and void, but, to the extent that said null and void provisions do not materially change the overall agreement and intent of this entire agreement, the remainder of this Agreement shall not be affected thereby and each remaining provision of this Agreement shall be valid and enforceable to the fullest extent provided by law. In the event of a conflict in language between the Contract and any Exhibits, the Contract document shall govern.

U. BACKGROUND CHECKS: The contractor's employees are subject to successful completion of all background checks, required by the Board of Education. These checks will be performed by the Board at the Board's expense. Contractor will be responsible for providing a complete list of all personnel who will be working on premises, including sub-contractors, at least 2 Business Days prior to their anticipated arrival at the work site. This list will include full legal name, date of birth and domicile address. Contractor employees, who are determined to be not suitable for any reason, in the sole discretion of the Board, can have their authorization revoked and contractor will be responsible to provide a suitable replacement. The board, in its sole discretion, may allow a contractor to begin work while the background check is pending.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, this Agreement is executed as of the date set forth above.

[VERNON PUBLIC SCHOOLS]

By : Joyl May

Its: Superintendent of Schools

[One Source Environmental, LLC]

By: Sean Cassidy

Its: Vice President

Date: 7 / 9 / 2025

30 Park St
Vernon, CT 06066

Date: 7 / 10 / 25

61 Industrial Park Road
Middletown, CT 06457

SECTION 02080 – ASBESTOS ABATEMENT**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to the work of this Section.
- B. Related Sections:
 - 1. None

1.2 GENERAL PROVISIONS

- A. The Center Road School, located at 20 Center Road in Vernon, Connecticut (Site), requires asbestos abatement activities to address response actions required by the State of Connecticut Asbestos-Containing Materials in Schools regulation 19a-333-1 through 19a-333-13. The response actions include asbestos removal activities within three-story academic wing of the building. The work covered in this section includes the minimum procedures that shall be employed during the abatement of loose fill vermiculite insulation and mudded pipe fitting insulation in twenty-three (23) classroom HVAC rooms, one (1) sprinkler room, a stairwell and the nurses office, and asbestos-containing roofing debris from two (2) storage closets and the corridors on the third floor.
- B. In addition to the scope of work stated in 1.2 (A), the Asbestos Contractor (AC) shall be responsible for cleaning non-asbestos roofing debris from the classrooms, stairwells, and other miscellaneous rooms on the third floor. The non-asbestos roofing debris cleanup will be performed with engineering controls in place for general dust control.
- C. The AC shall refer to the Bid Form and provide separate fees for the following:
 - 1. Abatement of loose fill vermiculite from twenty-three (23) HVAC rooms, one (1) stairwell, and the nurses office and abatement of mudded pipe fitting cement from nine (9) HVAC rooms
 - 2. Abatement of asbestos-containing materials roofing debris from two (2) third-floor supply closets and the third floor corridors.
 - 3. Removal and decontamination of non-asbestos roofing debris from fourteen (14) third-floor classrooms and four (4) third-floor stairwells.
- D. The asbestos abatement work shall be performed while school is not in session when there are no students or children under the age of eighteen (18) years old within the building.
- E. The work of this project will be started July 10th or 11th, 2025 and must be completed by August 8, 2025.
- F. Mr. Peter J. Folino of Eagle Environmental, Inc. is the designer of this Specification. Mr. Folino is a State of Connecticut Department of Public Health (CTDPH) Licensed Asbestos Project Designer (License #000195).

1.3 PROJECT DESCRIPTION

- A. The work to be performed includes but is not limited to the proper removal, handling, and disposal of all

ACM and Non-ACM specified in this Section and on Drawings HM-1, HM-2, HM-3, and HM-4. A description of ACMs, Non-ACMs and the locations of each which are included in the scope of work are shown on Table I below and on the Hazardous Building Materials Abatement Plan HM-1, HM-2, HM-3, and HM-4.

- B. The Base Bid asbestos abatement work shall include but not be limited to the ACM identified in the following Table 1 - Table of ACM. The Table provides information on the magnitude of the project. It is the sole responsibility of the Hazardous Materials Abatement Contractor (AC) to visit the site, review the Contract Documents and determine the quantities of ACM to be removed when developing their bid. Locations and estimated quantities of specific items noted in paragraph A above include:

TABLE I – BASE BID - TABLE OF ACM

BID PACKAGE NO. 1 – CLASSROOM HVAC ROOMS			
LOCATION(S)	MATERIAL	ESTIMATED QUANTITY	PLAN NO.
Stairwell 1 Sprinkler Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Stairwell 4	Loose fill vermiculite insulation	<1SF	HM-2
Classroom 1 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Classroom 3 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
	Mudded pipe fittings	2 EA	
Classroom 5 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Classroom 8 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Classroom 11 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Classroom 15 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Classroom 18 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
	Mudded pipe fittings	2 EA	
Classroom 20 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Classroom 22 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-1
Classroom 25 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-2
	Mudded pipe fittings	6 EA	
Classroom 27 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-2
	Mudded pipe fittings	3 EA	
Classroom 31 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-2
	Mudded pipe fittings	7 EA	
Classroom 34 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-2
	Mudded pipe fittings	8 EA	
Classroom 36 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-2
	Mudded pipe fittings	8 EA	
Classroom 39 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-2
	Mudded pipe fittings	8 EA	
Classroom 41 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-2
	Mudded pipe fittings	6 EA	
Classroom 45 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Classroom 47 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Classroom 51 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Classroom 54 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Classroom 56 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Classroom 59 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3

Mechanical Rooms and Roofing Debris

Classroom 62 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
LOCATION(S)	MATERIAL	ESTIMATED QUANTITY	PLAN NO.
Classroom 1 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Classroom 1 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Classroom 1 HVAC Room	Loose fill vermiculite insulation	1-5 SF	HM-3
Nurses Office	Loose fill vermiculite insulation	<1 SF	HM-4
BID PACKAGE NO. 2 – ASBESTOS-CONTAINING ROOFING DEBRIS			
LOCATION(S)	MATERIAL	ESTIMATED QUANTITY	PLAN NO.
Supply Closet 311 and 313	Asbestos roofing debris above ceilings	~500 SF	HM-3
Third Floor Corridors	Asbestos roofing debris above ceilings	~2,800 SF	HM-3
BID PACKAGE NO. 3 – NON-ASBESTOS ROOFING DEBRIS			
LOCATION(S)	MATERIAL	ESTIMATED QUANTITY	PLAN NO.
Classrooms 44, 45, 47, 49, 50, 51, 53, 54, 56, 58, 5961, 62, 63, Stair 1, 2, 3, and 4, Data Room	Non-asbestos roofing debris above ceilings	12,300 SF	HM-3

- C. The AC shall determine the quantities of asbestos-containing materials and non-asbestos-containing materials requiring removal prior to submission of their Bid. Any discrepancies must be submitted in writing in RFI format to the Owner's Consultant for interpretation prior to submission of their Bid. The quantities provided above are estimates only.
- D. The AC shall not perform any work that raises dust or creates emissions without proper engineering controls in place. Work of this project shall be performed in a manner that protects the non-work areas of the building from fugitive dust, emissions, gross debris, waste, materials, etc.
- E. The facility meets the definition of a school under the USEPA Asbestos Hazard Emergency Response Act (AHERA) 40 CFR 763 Subpart E and the Asbestos-Containing Materials in Schools Rule 19a-333-1 to Section 19a-333-13 of the Regulations of Connecticut State Agencies. Asbestos abatement may not be performed while children under the age of eighteen (18) are within the school building without prior approval from the State of Connecticut Department of Public Health.
- F. Asbestos-containing thermal system insulation has been identified within the building. Thermal system insulation (mudded pipe fittings) may be encountered during work above the ceilings. The AC shall notify the Owner's Consultant of any mudded pipe fitting cement encountered during the work to allow the Owner to make a decision on removal. Removal of additional mudded pipe fitting beyond the based bid shall be performed on a unit price basis.
- G. The work of Bid Package No 2 shall be performed prior to the work of Bid Package No. 3. Bid Package No. 1 may be performed concurrently with Bid Packages No.2 and No. 3. However, work must be strictly coordinated.

1.4 QUALITY ASSURANCE

- A. The AC shall be licensed by the State of Connecticut Department of Public Health (DPH) to perform asbestos abatement.

7/3/25

Exhibit A

Center Road School

Mechanical Rooms and Roofing Debris

- B. The Asbestos Abatement Supervisor(s) and Asbestos Abatement Workers shall be accredited in accordance with EPA regulation 40 CFR Part 763, subpart E, Appendix C; and shall be licensed by the State of Connecticut Department of Public Health.

1.5 APPLICABLE CODES

- A. The AC shall be solely responsible for conducting this project and supervising all work in a manner that will be in conformance with all federal, state and local regulations and guidelines pertaining to asbestos abatement. Specifically, the AC shall comply with the requirements of the following:
1. USEPA AHERA Regulation (40 CFR 763 Final Rule and Notice);
 2. USEPA NESHAP Regulations (40 CFR 61, Subpart M);
 3. OSHA Asbestos Regulations (29 CFR 1910.1001 and 1926.1101);
 4. Connecticut DEEP Regulations (Section 22a-209-8 (I) and Section 22a-220 of the Connecticut General Statutes);
 5. Connecticut DPH Standards for Asbestos Abatement Sections 19a-332a-1 to 19a-332a-16;
 6. Connecticut DPH Asbestos-Containing-Materials in Schools Regulations (19a-333-1 through 19a-333-13);
 7. Connecticut DPH Licensure and Training Requirements Section 20-440-1 to Section 20-440-9.
 8. Connecticut Basic Building Code (BOCA);
 9. Connecticut Fire Safety Code (NFPA);
 10. Local health and safety codes, ordinances or regulations pertaining to asbestos remediation and all national codes and standards including ASTM, ANSI, and Underwriter's Laboratories.

1.6 EXEMPTIONS

- A. This project was designed by a State of Connecticut Department of Public Health licensed Asbestos Abatement Designer. Any deviation from these specifications requires the written approval and authorization from the Designer.
- B. Any deviations from CTDPH Standards for Asbestos Abatement Sections 19a-332a-1 through 19a-332a-16 must be requested in writing and must be approved in writing by CTDPH.

1.7 NOTIFICATIONS, POSTINGS AND PERMITS

- A. The AC shall complete, submit and pay the fees associated with the CT DPH Notice of Asbestos Abatement. CT DPH has waived the ten-day waiting period. Submit the CT DPH Notice of Asbestos Abatement to the following address:
1. State of Connecticut
Department of Public Health
Indoor Air Program, MS #12 AIR
410 Capitol Avenue
P.O. Box 340308
Hartford, CT 06134-0308
- B. The AC shall complete, submit and pay any associated fees associated with the US EPA Notification of Demolition and Notification. The AC shall record the actual start date on the notification, even if before the ten-day waiting period. Submit the US EPA Notification of Demolition and Renovation to the following address:
1. USEPA New England Headquarters
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

- C. The minimum information included in the notification includes:
1. Name and address of building owner/operator
 2. Building location
 3. Building size, age, and use
 4. Amount of friable asbestos
 5. Work schedule, including proposed start and completion date
 6. Asbestos removal procedures to be used
 7. Name and location of disposal site for generated asbestos waste, residue, and debris
- D. Ten day notifications shall be posted for each individual phase of the project.

1.8 WORK SITE SAFETY PLAN

- A. The AC shall establish a set of emergency procedures and shall post them in a conspicuous place at the work site. The safety plan should include provisions for the following:
1. Evacuation of injured workers.
 2. Emergency and fire exit routes from all work areas.
 3. Emergency first aid treatment.
 4. Local telephone numbers for emergency services including ambulance, fire, and police.
 5. A method to notify workers in the event of a fire or other emergency requiring evacuation of the building.
 6. 24 hour site security program.
- B. The AC is responsible for training all workers in these procedures.

1.9 ALTERNATIVE WORK PRACTICES (AWP)

- A. Any deviations from these specifications require the written approval and authorization from the Owner and the Owner's Consultant.
- B. Any deviations from CTDPH Standards for Asbestos Abatement Sections 19a-332a-1 through 19a-332a-16 must be requested in writing by the designer of record for the project and must be approved in writing by CTDPH.
- C. No Alternative Work Practices have been submitted for approval to the CTDPH for this project.

1.10 RE-OCCUPANCY CLEARANCE

- A. Re-occupancy air sampling will be required within all interior work areas prior to the removal of containment barriers and engineering controls. Make up air into the work area must be free of demolition dust to ensure samples can be analyzed.
- B. The AC shall work with the Owner's Consultant to coordinate activities outside the abatement work area to ensure dusty conditions that may impact the ability to analyze clearance samples are not created.
- C. The Owner shall be responsible for payment of the sampling and analysis of initial final air clearance samples only. The AC shall be responsible for payment of all costs associated with the collection and analysis of additional final air clearance samples for areas that failed the initial test. This shall also include the laboratory charges for preparation of slides for samples that are "overloaded" and become unreadable.
- D. Phase Contrast Microscopy (PCM) air samples will be analyzed by the Owner's Consultant.

Transmission Electron Microscopy (TEM) air samples will be analyzed by an outside laboratory on a six (6) hour turn-around time. The turnaround time starts once the samples are received at the laboratory.

- E. The Classroom HVAC rooms shall undergo re-occupancy air clearance monitoring utilizing PCM analysis.
- F. The asbestos-containing roofing debris removal work within the third floor storage closets and third floor corridors will undergo re-occupancy air clearance monitoring utilizing TEM analysis.
- G. Eagle will collect quality control background air samples during removal of the non-asbestos debris. Quality control background air samples will be analyzed by TEM or PCM analysis.

1.11 CONTROL OVER REMOVAL WORK

- A. All AC work procedures shall be monitored by the AC's "Competent Person" to ensure that areas outside the designated work locations do not become contaminated. The following controls shall be implemented each working day to help ensure this:
 - 1. Prior to work on any given day, the AC's designated "Competent Person" shall evaluate job tasks with respect to safety procedures and requirements specified to prevent contamination of the building or the employees. This includes a visual survey of the work area and the decontamination enclosure systems.
- B. The AC shall maintain control of and be responsible for access to all work areas to ensure the following requirements:
 - 1. Nonessential personnel are prohibited from entering the area;
 - 2. All authorized personnel entering the work area shall sign the work area entry log at the entrance to each work area;
 - 3. All authorized personnel entering the work area shall read the "worker protection procedures" which are posted at the entry points to the enclosure system, and shall be equipped with properly fitted respirators and protective clothing;
 - 4. All personnel who are exiting from the decontamination enclosure system shall be properly decontaminated;
 - 5. Asbestos waste that is taken out of the work area must be properly bagged and labeled in accordance with these specifications. The surface of the bags shall be decontaminated. Asbestos waste leaving the enclosure system must be transported off site or immediately placed in locked, posted temporary storage on site, and be removed within 24 hours of the project conclusion.
 - 6. Any material, equipment, or supplies that are brought out of the decontamination enclosure system shall be cleaned and decontaminated by wet cleaning and/or HEPA vacuuming of all surfaces.

1.12 SITE SECURITY

- A. The AC shall be responsible for the security of regulated areas. Post asbestos abatement warning signs at entrances to the work area including the waste load out and worker decontamination chamber. The AC shall have a supervisor monitoring the entrance of the worker decontamination chamber during abatement work.
- B. The AC shall be responsible for the security of regulated areas. Post asbestos abatement warning signs at entrances to the work area including the waste load out and worker decontamination chamber. The AC shall have a supervisor monitoring the entrance of the worker decontamination chamber during

abatement work.

- C. The supervisor shall maintain a work area access log for each work area. The access log shall document each person that enters the work area, the time entered, and the time exited. Copies of the work area access logs shall be provided to the Owner's Consultant during the course of the project.
- D. The building may be occupied during the abatement project. The AC shall maintain all signage and barriers as defined by OSHA for each phase of work.
- E. The AC shall use only those entrances and exits to the building established for contractors use.

1.13 PERSONNEL PROTECTION

- A. Prior to commencing work, instruct all workers in all aspects of personnel protection, work procedures, emergency procedures use of equipment including procedures unique to this project.
- B. Respiratory protection shall meet the requirements of OSHA as required in 29 CFR 1910.134, 29 CFR 1926.11, 29 CFR 1926.62 and the requirements of the CTDPH Standards for Asbestos Abatement (19a-332a-1 through 16). A formal respiratory protection program must be implemented in accordance with 29 CFR 1926.1101 and 29 CFR 1910.134. The AC shall conduct exposure assessment air sampling, analysis and reporting to ensure the workers are using appropriate respiratory protection.
- C. The AC shall provide appropriate respiratory protection for each worker and ensure usage during potential asbestos exposure.
- D. The AC shall provide respirators from among those approved as being acceptable for protection by the National Institute for Occupational Safety and Health (NIOSH) under the provisions of 30 CFR Part II.
- E. The AC shall provide an adequate supply of filter for respirators in use.
- F. Minimum respiratory protection shall be as follows:

Air borne Asbestos Level:

Required Respirator:

Not in excess of 1 f/cc (10 x PEL)

Half mask air purifying or otherwise as required respirator other than a disposable respirator, equipped with HEPA P 100 filters.

Not in excess of 5 f/cc (50 x PEL)

Full facepiece air purifying respirator equipped with HEPA P 100 filters.

Not in excess of 10 f/cc (100 x PEL)

Any powered air purifying respirator equipped with HEPA P 100 filters or any supplied air respirator operated in continuous flow mode.

Not in excess of 100 f/cc (1000 x PEL)

Full facepiece supplied air respirator operated in pressure demand mode.

Greater than 100 f/cc (1000 x PEL)

Full facepiece supplied air respirator operated in pressure demand mode, equipped with an auxiliary positive pressure self-contained breathing apparatus.

Notes:

1. Respirators assigned for higher airborne fiber concentrations may be used at lower concentrations.
2. A high efficiency filter means a filter that is at least 99.97 percent efficient against mono-

- dispersed particles of 0.3 micrometers in diameter or larger.
3. In addition to the selection criteria in paragraph 1.15F, the AC shall provide a tight-fitting powered air purifying respirator equipped with high efficiency filters or a full facepiece supplied air respirator operated in the pressure demand mode equipped with HEPA egress cartridges or an auxiliary positive pressure self-contained breathing apparatus for all employees within the regulated area where Class I work is being performed for which a negative exposure assessment has not been produced and the exposure assessment indicates the exposure level will not exceed 1 f/cc as an 8-hour time weighted average. A full facepiece supplied air respirator operated in the pressure demand mode equipped with an auxiliary positive pressure self-contained breathing apparatus shall be provided under such conditions if the exposure assessment indicates exposure levels above 1 f/cc as an 8 hour time weighted average.
 4. If compresses air is used for supplied air respirators, this air will meet the requirements for grade D breathing air as described by the Compresses Gas association commodity Specification G-7.1-1966. The compressor will be equipped with the necessary safety devices and sorbends/filters, and be situated to avoid entry of contaminated air. In addition, the compressor will be equipped with alarms to indicate failure or overheating, and additional alarms for indicating the presence of carbon monoxide. Airline couplings will be incompatible with outlets for other gas system to prevent inadvertent servicing of airline respirators with non-respirable gases.

- G. The AC shall provide and require all workers to wear protective clothing in Work Areas where asbestos fiber concentration exceeds permissible limits established by the OSHA or where contamination exists. Protective clothing shall include impervious coveralls with elastic wrists and ankles, head covering, gloves and foot coverings.
- H. The AC shall ensure that all authorized persons entering contaminated areas are equipped with proper respirators and protective clothing.

1.14 WORKER PROTECTION PROCEDURES

- A. The AC shall monitor airborne asbestos concentrations in the workers' breathing zone to establish conditions and work procedures for maintaining compliance with OSHA Regulations 29 CFR 1910.1001 and 1926.1001.
- B. The AC's air sampling professional shall document all air sampling results and provide all air sampling reports as soon as feasible. OSHA air monitoring results shall be posted at a conspicuous location at the job site.
- C. All personnel air sampling shall be conducted in accordance with methods described in OSHA standards 29 CFR 1910.1001 and 1926.1101.

1.15 SUBMITTALS

- A. The AC will submit one (1) copy of the following submittals to the Owner's Representative prior to the commencement of removal work:
 1. AC's construction schedule
 2. Waste generator label to be used including facility address, Owner's information and name of AC
 3. Waste shipment and disposal form to be used with generator information completed
 4. Waste hauling contractor and associated licenses
 5. Asbestos abatement training (initial and current refresher), licenses, medical and respirator fit-test records of each employee who may be on the project site
 6. AC's State of Connecticut Asbestos Contractor license
 7. State and EPA Asbestos Notifications

- B. If rental equipment will be utilized during abatement activities, the AC shall provide written acknowledgement to the rental equipment provider and copy the Owner's Consultant stating that equipment will be used during hazardous material removal and will be thoroughly decontaminated prior to being returned.
- C. The AC will submit the following to the Consultant during the work:
 - 1. Results of all personal air sampling
 - 2. Certificate of training (initial and current certification), medical, and fit-test records for new employees to start work (24 hours in advance of work).
 - 3. AC site logs and containment access logs
 - 4. Revised Notifications, if any.
- D. The following shall be submitted to the Consultant at the completion of work:
 - 1. Completed copies of Waste Shipment Records (WSR).
 - 2. Remaining personal air sampling results and site logs.

1.16 DEFINITIONS

- A. **ABATEMENT** - Procedures to control fiber release from asbestos-containing materials; includes removal, encapsulation, and enclosure.
- B. **AIRLOCK** - A system for permitting ingress and egress while assuring air movement to a contaminated area from an uncontaminated area. Two curtained doorways spaced a minimum of six feet apart can form an airlock.
- C. **AIR MONITORING** - The process of measuring the fiber concentration of an area or of a person.
- D. **AIR SAMPLING PROFESSIONAL** - A licensed professional capable of developing air sampling protocols and conducting air monitoring and analysis. This individual should be an industrial hygienist, an environmental scientist, or an engineer with experience in asbestos air monitoring and worker protection equipment and procedures. This individual should have demonstrated proficiency in conducting air sample collection in accordance with 29 CFR 1910.1001 and 1926.1101.
- E. **ADEQUATELY WETTED** - means sufficiently mixed or coated with water, amended or an aqueous solution; or the use of removal encapsulant to prevent dust emissions.
- F. **AMENDED WATER** - Water to which a surfactant has been added.
- G. **ASBESTOS** - The name given to a number of naturally occurring fibrous silicates. This includes the serpentine forms and the amphiboles and includes chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite, or any of these forms that have been chemically altered.
- H. **ASBESTOS ABATEMENT** - Means the removal, encapsulation, enclosure, renovation, or repair of asbestos-containing materials except activities that are related to the removal or repair of asbestos cement pipe and are performed by employees of a water company as defined in Section 25-32a of the Connecticut General Statutes.
- I. **ASBESTOS ABATEMENT SITE SUPERVISOR** - Means any licensed individual who is employed or engaged by an AC to supervise an asbestos abatement project.
- J. **ASBESTOS ABATEMENT WORKER** - Means any employee of an AC who engages in asbestos

abatement.

- K. ASBESTOS CONSULTANT - Any person who engages in any activity directly involved with asbestos consultation services and who has been issued a certificate by the commissioner and a license by the department.
- L. ASBESTOS CONTAINING MATERIAL (ACM) - A material composed of asbestos of any type and in an amount greater than one percent by weight, either alone or mixed with other fibrous or nonfibrous material.
- M. ASBESTOS CONTRACTOR - Any person or entity engaged in asbestos abatement whose employees actually perform asbestos abatement work.
- N. ASBESTOS CONTROL AREA - An area where asbestos abatement operations are performed which is isolated by physical boundaries to prevent the spread of asbestos dust, fibers, or debris.
- O. ASBESTOS FIBERS - Those particles with a length greater than five (5) microns and a length to diameter ratio of 3: 1 or greater.
- P. ASBESTOS PERMISSIBLE EXPOSURE LIMIT (PEL) - The maximum airborne concentration of asbestos fibers to which an employee is allowed to be exposed. The current level established by OSHA is 0.1 fibers per cubic centimeter of air as an eight (8) hour time weighted average and 1.0 fibers/cc averaged over a sampling period of 30 minutes as an excursion limit. The AC is responsible for maintaining work areas in a manner that this standard is not exceeded.
- Q. ASBESTOS PROJECT MONITOR - The licensed asbestos consultant who is certified as a project monitor and who functions as an on-site representative of the facility Owner or other persons by overseeing the activities of the asbestos abatement contractor.
- R. AUTHORIZED VISITOR - Any person authorized by the Owner to enter the building.
- S. BUILDING OWNER - For this Contract only, the building Owner is the Town of Vernon.
- T. CLEAN ROOM - An uncontaminated area or room, which is a part of the workers' decontamination enclosure with provisions for storage of workers' street clothes and protective equipment.
- U. CLEARANCE SAMPLING - Final air sampling performed aggressively after the completion of the abatement project in a regulated area. Five (5) air samples collected by the asbestos abatement project monitor inside the work area, and having a fiber concentration of less than 0.010 fibers/cc of air will denote acceptable clearance sampling by Phase Contrast Microscopy. Five air samples collected by the asbestos abatement project monitor having an average asbestos concentration of less than 70 asbestos structures mm/sq. will denote acceptable clearance sampling for Transmission Electron Microscopy.
- V. COMMISSIONER - Means the Commissioner of the Connecticut Department of Health Services or his/her authorized agent.
- W. COMPETENT PERSON - A representative of the AC who is capable of identifying an asbestos hazard and who has the authority to take prompt corrective measures to eliminate the hazard during asbestos removal.
- X. CONFINED SPACE - A work zone where access and egress are restricted, a potential for gaseous vapors to accumulate exist, or a potential for low oxygen content exists.

- Y. DECONTAMINATION ENCLOSURE SYSTEM - A series of connected areas, with curtained doorways between any two adjacent areas, for the decontamination of workers and equipment. A decontamination enclosure system always contains at least one airlock and is adjacent and connected to the regulated area, where possible.
- Z. DEPARTMENT - The Department of Public Health.
- AA. EPA - Means the U.S. Environmental Protection Agency.
- BB. ENCAPSULANT - A liquid material that can be applied to asbestos-containing material that controls the possible release of asbestos fibers from the materials by either creating a membrane over the surface (bridging encapsulant) or penetrating the material and binding its components together (penetrating encapsulant).
- CC. ENCAPSULATION - A specified asbestos remediation strategy involving the application of an encapsulant to asbestos containing materials to control the release of asbestos fibers into the air.
- DD. EQUIPMENT DECONTAMINATION ENCLOSURE - That portion of a decontamination enclosure system designed for controlling the transfer of materials and equipment, typically consisting of a washroom and a holding area.
- EE. EQUIPMENT ROOM - A contaminated area or a room, which is part of the workers' decontamination enclosure with, provisions for storage of contaminated clothing and equipment.
- FF. FACILITY - Means any private or public building or structure including but not limited to those used for institutional, residential (including single family homes), commercial or industrial purposes and vessels while ashore or in dry-dock.
- GG. FIXED OBJECT - A unit of equipment or furniture in the work areas which cannot be removed from the work area.
- HH. FRIABLE ASBESTOS MATERIAL - Any material that contains more than 1% asbestos by weight, that can be crumbled, pulverized or reduced to powder by hand pressure.
- II. GLOVE BAG - An impervious plastic bag-like enclosure affixed around asbestos containing material, with glove-like appendages through which materials and tools may be handled.
- JJ. HAZARDOUS MATERIALS ABATEMENT CONTRACTOR (AC) - Means the Asbestos Contractor, Lead Based Paint Abatement Contractor and or PCB/DEHP and Mercury Vapor Lighting Removal Contractor.
- KK. HEPA FILTER - A high efficiency particulate air (HEPA) filter in compliance with ANSI Z9.2-1979.
- LL. HEPA VACUUM EQUIPMENT - Vacuum equipment with a HEPA filter system for filtering the effluent air from the unit.
- MM. HOLDING AREA - An air-locked chamber in the equipment decontamination enclosure located between the washroom and an uncontaminated area.
- NN. INSPECTOR (ASBESTOS ABATEMENT PROJECT MONITOR)- An individual, retained by the Building Owner, who is a "qualified asbestos abatement project monitor" as defined by the State of Connecticut Department of Public Health, and who will be responsible for monitoring the AC during the asbestos abatement project.

- OO. MOVABLE OBJECT - A unit of equipment or furniture in the work area, which can be removed from the work area.
- PP. NEGATIVE AIR FILTRATION EQUIPMENT - A portable local exhaust system equipped with HEPA filtration used to create negative pressure in a regulated area (negative with respect to adjacent unregulated areas) and capable of maintaining a constant, low velocity air flow into regulated areas from adjacent unregulated areas.
- QQ. OWNER'S REPRESENTATIVE - The Asbestos Consultant for the project.
- RR. NESHAPS - National Emissions Standard for Hazardous Air Pollutants regulations enforced by the EPA.
- SS. PLASTICIZE - To cover floors and walls with plastic sheeting as specified herein.
- TT. SEPARATION BARRIER - A rigid barrier sealed with two (2) layers of six (6) mil polyethylene sheeting installed between an occupied area and the asbestos abatement work area.
- UU. SHOWER ROOM - A room between the clean room and the equipment room in the workers' decontamination enclosure with hot/cold running water and suitably arranged for employee showering during decontamination. The shower room is located in an airlock between the contaminated area and the clean area.
- VV. STRIPPING - Removing asbestos materials from any structural member, pipe surface, HVAC, or other equipment.
- WW. WASHROOM - A room between the work area and the holding area in the equipment decontamination enclosure with provisions for storage of contaminated clothing and equipment.
- XX. WET CLEANING - The process of reducing asbestos contamination from building surfaces and objects by using cloths, mops, or other cleaning tools, which have been dampened by amended water, and by then disposing of these cleaning items as asbestos contaminated waste.
- YY. WORK AREA - Designated rooms, spaces, or areas of the project in which asbestos abatement actions are occurring and which may become contaminated as a result of such abatement actions. The work area must be totally self-contained by sealing, plasticizing and equipping the area with a decontamination enclosure system.
- ZZ. WORKER DECONTAMINATION ENCLOSURE SYSTEM - That portion of a decontamination enclosure system designated for controlled passage of workers, other personnel, and authorized visitors, typically consisting of a clean room, a shower room, and an equipment room.
- AAA. WORK STOPPAGE CLEANUP PROCEDURE - A process following the issuance of a written stop work order, whereby the AC thoroughly cleans and decontaminates the work area, the decontamination enclosure system, and any other areas of the building affected by the removal project, to the satisfaction of the Asbestos Project Monitor.
- BBB. WORK ZONE - The area of the decontamination enclosure system where asbestos is being removed.
- 1.17 PRECONSTRUCTION MEETING
- A. The AC shall be required to attend a preconstruction meeting with his/her site supervisor, any subcontractor they employ on site for the purpose of reviewing the contract requirements.

PART 2 - MATERIALS AND EQUIPMENT**2.1 MATERIALS**

- A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description.
- B. Damaged or deteriorating materials shall not be used and shall be removed from the premises. Material that becomes contaminated with asbestos shall be decontaminated or disposed of as asbestos waste.
- C. Polyethylene sheet in a roll size to minimize the frequency of joints shall be delivered to job site with factory label indicating 4 or 6 mil.
- D. Polyethylene disposable bags shall be true six (6) mil with preprinted labels.
- E. Tape shall be capable of sealing joints in adjacent polyethylene sheets and for attachment of polyethylene sheets to finished or unfinished surfaces of dissimilar materials and capable of adhering under both dry and wet conditions, including use of amended water.
- F. Surfactant (wetting agent) - shall consist of fifty (50) percent polyoxyethylene ether and fifty (50) percent polyoxyethylene ester, or equivalent, and shall be mixed with water to provide a concentration of one (1) ounce surfactant to five (5) gallons of water or as directed by manufacturer.
- G. Impermeable containers are to be used to receive and retain any asbestos-containing or contaminated materials until disposal at an acceptable disposal site. (The containers shall be labeled in accordance with OSHA Standard 29 CFR 1926-1101.) Containers must be both air and watertight.
- H. Labels and signs, as required by OSHA Standard 29 CFR 1926.1001 will be used.
- I. Encapsulant shall be bridging or penetrating type which has been found acceptable to Eagle Environmental. Usage shall be in accordance with manufacturer's printed technical data.
- J. Disposal labels shall be preprinted on self-adhesive labels with the generator name, abatement site and AC's name and address. Labels shall not be photocopied and applied with spray adhesive.

2.2 TOOLS AND EQUIPMENT

- A. Provide suitable tools for asbestos removal, encapsulation and enclosure.
- B. The AC shall have air monitoring equipment of type and quantity to monitor operations and conduct personnel exposure surveillance per OSHA requirements.
- C. The AC shall have available sufficient inventory on site for materials necessary for the job including protective clothing, respirators, filter cartridges, polyethylene sheeting of proper size and thickness, tape, and air filters.
- D. The AC shall provide temporary electrical power sources such as generators (when required).
- E. The AC shall have available shower stalls and sufficient hose length and a drain system equipped with 5-micron filters.
- F. Exhaust air filtration system units shall contain HEPA filter(s) capable of sufficient air exhaust to create negative pressure of 0.02 inches of water within the enclosure with respect to the outside area.

Equipment shall be checked for proper operation by smoke tubes or a differential pressure gauge before the start of each shift and at least twice during the shift. Adequate exhaust air shall be provided for a minimum of four (4) air changes per hour within the enclosure. No air movement system or air filtering equipment shall discharge unfiltered air outside.

- G. Vacuum units, of suitable size and capacities for project, shall have HEPA filter(s) capable of trapping and retaining at least 99.97 percent of all monodispersed particles of 0.3 micrometers in diameter or larger.
- H. The AC will have reserve exhaust air filtration system units in order to maintain negative air filtration in the event that a unit malfunctions during use.
- I. The AC shall have available and use recording manometers to monitor pressure differential between the work area and occupied areas of the building. A minimum negative pressure differential of 0.02 inches of water column shall be maintained.
- J. The AC shall have available spray equipment capable of mixing a wetting agent with water and capable of generating sufficient pressure and volume and having sufficient hose length to reach all areas with asbestos.
- K. HEPA filtered local exhaust ventilation shall be utilized during the installation of enclosures and supports where asbestos-containing materials may be disturbed.

PART 3 - EXECUTION

3.1 INTERIOR WORK AREA PREPARATION - GENERAL

- A. Provide GFCI devices, temporary power, and temporary lighting installed in compliance with the applicable electrical codes. All temporary installations are to be made by a licensed electrician.
- B. Shut down electrical power, including receptacles and light fixtures. Lock and tag out circuits associated with the electrical components in the work area(s). Under no circumstances during the abatement and ceiling demolition procedures will lighting fixtures be permitted to be energized.
- C. Shut down and/or isolate heating, cooling, and ventilation air systems or zones to prevent contamination and fiber dispersal to other areas of the structure. Lock and tag out circuits associated with heating and cooling units. During the work, vents within the work area shall be sealed with duct tape and polyethylene sheeting.
- D. Seal off all openings, including but not limited to windows, corridors, doorways, skylights, ducts, grills, diffuser, and any other penetration of the work areas, with polyethylene sheeting minimum of six (6) mils thick sealed with duct tape. This includes doorways and corridors which will not be used for passage during work areas and occupied areas. Install 5 micron water filtration socks in all floor drains prior to sealing.
- E. The AC shall protect all surfaces scheduled to remain. Spray adhesives shall not be applied to surfaces scheduled to remain.
- F. Establish worker decontamination facility, isolation barriers and negative air filtration prior to conducting pre-cleaning activities. Pre-clean fixed objects within the work areas, using HEPA vacuum equipment and/or wet cleaning methods as appropriate, and enclose with minimum six (6) mil plastic sheeting sealed with duct tape.

- G. Pre-clean movable objects within the work areas, using HEPA vacuum equipment and wet cleaning methods as appropriate. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.
- H. After HEPA vacuum pre-cleaning, conduct work area preparation in accordance with this Specification section.
- I. Where fixed walls are not used, one layer of six (6) mil polyethylene sheeting will be applied to a rigid framework of wood, metal, or PVC.
- J. Install two (2) layers of four (4) mil polyethylene wall sheeting over all wall surfaces and isolation barrier (where wall materials are not being removed as ACM). All overlaps shall be sealed with tape.
- K. Cover all floors in the work area with two layers of six (6)-mil polyethylene sheeting (where flooring materials are not being removed as ACM). Extend the polyethylene flooring a minimum of twelve (12) inches up the walls. Ensure that the wall sheeting overlaps the floor sheeting from the top.
- L. Maintain emergency and fire exits from the work area, or establish alternative exits satisfactory to fire officials.
- M. Create pressure differential between work areas and occupied areas by the use of acceptable negative air pressure equipment. The AC shall ensure required negative air pressure is obtained throughout the containment and the total volume of air within the work area is changed every fifteen (15) minutes.
- N. Install and maintain a manometer for each negative pressure enclosure where Class I work will be performed.
- O. Post all approaches to each work area with Asbestos Warning signs. Warning signs shall be of size and type that are easily readable and are visible from all approaches to the work areas.
- P. Follow all work area preparation procedures in the approved Alternative Work Practice for removal of asbestos-containing tar back flashing from the designated elevations.

3.2 CONTIGUOUS PERSONNEL DECONTAMINATION SYSTEM

- A. The AC shall establish contiguous to each work area, a personnel decontamination system consisting of equipment room, shower room and clean room in series. Access between the contaminated and uncontaminated areas shall be through this decontamination enclosure only. The decontamination system shall be constructed of two layers of six-mil polyethylene sheeting. Pre-fabricated "pop-up" decontamination chambers will not be permitted on this project.
- B. Access between rooms in decontamination system shall be through double flap-curtained openings. Clean room, shower room and equipment room within decontamination system shall be completely sealed ensuring that the sole source of air flow through this area originates from uncontaminated areas outside the work area.
- C. The shower unit shall be equipped with an adequate supply of warm water. A shower filtration pump containing two (2) 5-micron sock filters or the best available technology shall be installed to filter shower water. Filtered shower water shall be discharged into sanitation drains and shall not be discharged into storm drains or onto floor or ground surfaces.
- D. The shower room shall have soap and an adequate supply of drying towels. Provide an adequate number of shower units in accordance with OSHA 29 CFR 1926.1101.

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- E. Each personnel decontamination system shall be established on two layers of polyethylene sheeting to protect floor finishes from water damage.
- F. Each personnel decontamination system shall have a water supply that can be turned off from outside the work area. Water shall be turned off to the personnel decontamination system at the end of each shift.

3.3 REMOTE PERSONNEL DECONTAMINATION SYSTEM

- A. The AC shall establish a remote personnel decontamination system where contiguous decontamination systems are not feasible. The use of such remote decontamination unit must be indicated in the State Notification. Access between the contaminated and uncontaminated areas shall be through this decontamination enclosure only. The decontamination system shall be constructed of two layers of six-mil polyethylene sheeting. Pre-fabricated "pop-up" decontamination chambers will not be permitted on this project.
- B. Access between rooms in decontamination system shall be through double flap-curtained openings. Clean room, shower room and equipment room within decontamination system shall be completely sealed ensuring that the sole source of air flow through this area originates from uncontaminated areas outside the work area.
- C. The shower unit shall be equipped with an adequate supply of warm water. A shower filtration pump containing two (2) 5-micron sock filters or the best available technology shall be installed to filter shower water. Filtered shower water shall be discharged into sanitation drains and shall not be discharged into storm drains or onto floor or ground surfaces.
- D. The shower room shall have soap and an adequate supply of drying towels. Provide an adequate number of shower units in accordance with OSHA 29 CFR 1926.1101.

3.4 WASTE LOAD OUT SYSTEMS

- A. The AC shall establish waste load out systems, where feasible, attached to the work areas. Waste load out systems shall consist of a minimum of two (2) chambers that are of suitable size for transporting waste out of the work area. Waste load out systems shall be constructed of two (2) layers of six (6) mil polyethylene sheeting.
- B. Where waste load out systems are not feasible, the AC shall remove waste through the personnel decontamination system.
- C. Access between rooms in the waste load out system shall be through double flap-curtained openings. The waste load out system shall be used for decontaminating waste containers, bags, bundles, etc. prior to removal from the work area and transporting waste from the work area to the non-work area.
- D. Persons working inside the contaminated work area are not permitted to pass from the work area to the non-work area through the waste load out system. Persons inside the contaminated work area shall not be permitted to enter into the clean area of the waste load out system.
- E. The waste load out system shall remain sealed at all times except during decontamination of waste containers and transport of waste from the work area to the non-work area.
- F. Asbestos waste shall remain within the construction area of each phase and shall not be transported through occupied areas of the building.
- G. Asbestos waste shall be transported out of the work area at the completion of each shift. Asbestos waste

shall not be transported through occupied portions of the building during normal school hours.

3.5 ASBESTOS REMOVAL PROCEDURE - GENERAL

- A. The AC shall have a designated "Competent Person" on the job at all times to ensure establishment of a proper enclosure system and proper work practices throughout the project. At a minimum, the AC Competent Person shall perform or supervise the following duties, as applicable:
1. Ensure the integrity of the containment or enclosure.
 2. Set up procedures to control entry to and exit from the enclosure.
 3. Supervise employee exposure monitoring.
 4. Ensure that employees set up, use and remove engineering controls, use work practices and personal protective equipment in compliance with OSHA regulations.
 5. Ensure that employees use the worker decontamination facilities and observe decontamination procedures.
 6. Ensure the requirements of the Technical Specification are fulfilled.
 7. Ensure the AC is in compliance with all applicable asbestos regulations.
- B. Abatement work will not commence until all work area preparation is completed in accordance with this technical specification section.
- C. Spray asbestos materials with amended water using airless spray equipment or apply removal wetting agent to reduce the release of fibers during removal operation.
- D. Spraying of amended water shall be adequate enough to allow the ACM to absorb the water. Actual removal of ACM shall not be allowed until all ACM has become adequately wet.
- E. Do not create any visible emissions during asbestos removal. Ensure all ACM is adequately wet prior to removal.
- F. Fill disposal containers as removal proceeds. Seal filled containers before moving to waste load out system. Wet clean each container thoroughly, double bag, drum or use other approved containerization methods and apply a caution label before moving to holding area.
- G. Remove and containerize all visible accumulations of asbestos-containing and/or asbestos-contaminated debris.
- H. Solidify all liquid waste prior to containerization for disposal.
- I. Sealed disposal containers and all equipment used in the work area shall be included in the cleanup and shall be removed from work areas, via the waste load out system at an appropriate time in the cleaning sequence.
- J. The AC shall remove from each containment all abated asbestos containing materials at the end of each work shift.
- K. At any time during asbestos removal, should the competent person suspect contamination of areas outside the work area(s), they shall cause to stop all abatement work until steps to decontaminate these areas and eliminate causes of such contamination are completed. Unprotected individuals shall be prohibited from entering suspected contaminated areas until air sampling and visual inspections certify decontamination.
- L. Immediately seal openings between work area and non-work that may be exposed during abatement

activities.

- M. All asbestos waste removed during a shift must be packaged in sealed containers by the end of each shift. At no time shall asbestos-containing materials be allowed to dry out while awaiting waste packaging.
- N. The AC's Supervisor shall perform a final visual inspection of each work area to determine completeness of abatement and cleaning work prior to requesting a final visual inspection from the Owner's Consultant.
- O. Upon acceptance of the work area by the Owner's Consultant, the AC shall apply an even coating of bridging encapsulant with airless spray equipment to all exposed surfaces contained within the work area. Apply encapsulant in accordance with manufacturer's recommendation.
- P. Re-occupancy air monitoring shall be performed within each interior abatement work area. Containment barriers shall not be removed until re-occupancy air clearance results are on Site.
- Q. After successful re-occupancy air testing, the AC shall removal all polyethylene sheeting from walls, floors and containment barriers and dispose of as asbestos-contaminated waste. Negative air filtration equipment shall remain in operation during containment removal.
- R. The AC shall perform a post tear down inspection and perform any necessary final cleaning of the work area.
- S. Negative air equipment shall be properly shut down by concurrently sealing the intake with polyethylene sheeting and turning the power off to the equipment. At no time shall negative air intakes be unsealed while the equipment is not in operation.

3.6 WASTE PACKAGING AND REMOVAL PROCEDURE

- A. The AC shall strictly adhere to the requirements of this section for ACM waste packaging and transporting waste from the work area enclosure to the disposal dumpster.
- B. Waste disposal bags and drums shall be affixed with pre-printed OSHA warning labels, DOT labels and NESHAP labels.
- C. Each container of ACM waste shall be made adequately wet prior to sealing the container. Bags shall be sealed immediately following additional wetting procedures. Bags of ACM waste shall not be permitted to remain unsealed while in the work area enclosure.
- D. Each bag of ACM waste shall be double-bagged during waste load out procedures. The following waste load out procedure shall be strictly adhered to:
 - 1. Wet wipe inner bag or drum to remove all ACM contamination. Ensure the inner bag is sealed.
 - 2. Transport bag or drum to the equipment room located in the worker decontamination enclosure.
 - 3. One worker, equipped with personal protective equipment, shall be inside the clean room of the worker decontamination enclosure.
 - 4. The worker in the clean room of the decontamination enclosure shall open a six-mil disposal bag and hold it open inside the shower room where the inner bag containing the ACM waste shall be placed.
 - 5. The outer bag shall be sealed with duct tape inside the shower room.
 - 6. The double bagged or drummed waste shall be removed from the decontamination enclosure and waste generator labels shall be immediately affixed to the outer bag or drum.

7. Waste generator labels shall be printed self-adhering labels and shall contain the Owner's name, the site location address, and the AC's name.
8. The properly labeled waste shall be transported directly to the lined waste container.
9. The waste container shall be double lined with 6-mil polyethylene sheeting.
10. OSHA warning signs shall be secured to the waste container prior to any loading and unloading operations.
11. The waste container shall be kept locked at all times other than loading and unloading.

3.7 CLASSROOM MECHANICAL ROOMS – SPECIFIC WORK AREA PREPARATION AND ASBESTOS REMOVAL PROCEDURES

- A. The AC shall ensure the HVAC unit is shut down, tagged and locked out.
- B. The AC shall establish a contiguous personnel decontamination system to each classroom mechanical room prior to asbestos removal activities.
- C. The AC shall establish a negative air machine outside the work area. Rigid flexible tubing shall extend into the work area to the furthest point from the entrance to the work area to ensure make up air does not short cycle.
- D. The AC shall cover the HVAC unit and associated intake and supply ducts with a single layer of six-mil polyethylene sheeting. Fiberglass insulation on the ducts shall be HEPA vacuumed prior to covering.
- E. The AC shall thoroughly pre-clean the floors, including under the HVAC unit, and cover with two (2) layers of six-mil polyethylene sheeting.
- F. The AC shall thoroughly pre-clean walls and cover with two (2) layer of four-mil polyethylene sheeting.
- G. The AC HEPA vacuum and cover all fiberglass pipe insulation.
- H. Once the work area is fully prepped, the AC shall HEPA vacuum all wall penetrations and seal with fire-rated spray foam.
- I. The AC shall wet and remove thermal system pipe fitting insulation, where present. Pipe fitting insulation shall be removed so no visible residue remains on the pipe fitting.
- J. Eagle's on-site Asbestos Project Monitor will perform a post abatement visual inspection to ensure all visible vermiculate insulation, dust, debris and residue is removed from the work area.
- K. Following a successful visual inspection, the AC shall apply an even layer of bridging encapsulant to the work area.
- L. Each classroom HVAC room shall undergo re-occupancy air clearance sampling utilizing PCM analysis.

3.8 ASBESTOS-CONTAINING ROOFING DEBRIS REMOVAL SPECIFIC WORK AREA PREPARATION AND REMOVAL PROCEDURES – STORAGE CLOSETS AND CORRIDORS

- A. The AC shall establish a full negative pressure containment prior to the commencement of asbestos removal work and shall ensure that all power to the work area is shut down, tagged and locked out.
- B. Penetrations or openings above the suspended ceiling between the work area and non-work area shall be sealed prior to commencing with asbestos removal work.

- C. The AC shall protect from damage all smoke detectors, fire alarms, lights, aluminum ceiling grids, and other miscellaneous equipment.
 - D. The AC shall wet the lay in acoustical ceiling tiles and carefully lower to the floor or place directly in an asbestos disposal bag. Acoustical ceiling tiles contain residual roofing debris on the top side and shall be disposed of as asbestos-contaminated waste.
 - E. The AC shall thoroughly decontaminate all structural, mechanical, electrical and plumbing equipment above the suspended ceiling. Fiberglass insulation shall be HEPA vacuumed.
 - F. The AC shall ensure that existing wiring and piping above the ceiling does not become damaged by their work.
 - G. The AC shall HEPA vacuum the tops of all flush mounted ceiling lamps. The ceiling lamps should temporarily be lifted from the ceiling grid so the grid can be decontaminated.
 - H. The AC shall decontaminate all surfaces above the ceiling until no visible dust, debris, or residue is observed.
 - I. The AC shall decontaminate the entire ceiling grid ensuring it does not become damaged during the work.
 - J. The AC shall final clean the entire work area until no visible dust, debris or residue is observed.
 - K. The Owner's Consultant shall perform a final visual inspection of the work area to evaluate the AC's final cleaning.
 - L. Following a successful final inspection, the AC shall apply an even layer of lockdown encapsulant throughout the work area.
 - M. Re-occupancy air monitoring shall be performed utilizing TEM analysis.
- 3.9 NON-ASBESTOS ROOFING DEBRIS REMOVAL SPECIFIC WORK AREA PREPARATION AND REMOVAL PROCEDURES – CLASSROOMS, STAIRWELLS, AND MISCELLANEOUS ROOMS
- A. The AC shall ensure that the HVAC servicing the work area is shut down, locked out and tagged prior to performing any non-asbestos roofing debris removal.
 - B. The AC shall install a single layer of six-mil or four-mil polyethylene sheeting over all floors and walls within the work area.
 - C. The AC shall utilize local negative air exhaust within the area(s) of non-asbestos roofing debris removal.
 - D. The AC shall carefully remove each lay-in acoustical ceiling tile, HEPA vacuum the top side of the ceiling tile and place to the side for reinstallation by the AC. Ceiling tiles shall be stacked in to the side in order of the grid from which they were removed.
 - E. The AC shall cover the cleaned ceiling tiles with a single layer of four-mil or six-mil polyethylene sheeting while cleaning the area above the ceiling grid.
 - F. The AC shall thoroughly clean all components and equipment above the ceilings by HEPA vacuuming and wet cleaning. This includes but is not limited to steel bar joists, ceiling grid, piping, wiring, duct

work, and other miscellaneous components and equipment.

- G. The AC shall HEPA vacuum the rigid ceiling above each classroom closet.
- H. The AC shall HEPA vacuum the duct soffit in each classroom. The acoustical ceiling tiles comprising the sidewalls of the soffit may remain in place and only require removal, if needed, to clean under the existing duct work.
- I. The AC shall clean the mechanical room in each classroom.
- J. The Owner's Consultant shall perform a visual inspection of each classroom and area that underwent cleaning to evaluate the AC's final clean up.
- K. Debris associated with the clean up shall be placed in clear plastic bags and may be disposed of as non-asbestos waste.

3.10 FINAL CLEANING AND ENCAPSULATION

- A. Upon completion of gross removal of all ACM specified for removal, the AC shall begin final cleaning of the effected work area. The AC shall HEPA vacuum and wet wipe all surfaces contained within the work area.
- B. All tools or equipment that are not necessary for final cleaning shall be decontaminated or bagged and removed from the work area enclosure.
- C. The AC shall begin final cleaning procedures at the furthest and highest most points from the personnel decontamination unit and move towards the unit. The AC shall ensure that all exposed building components and or surfaces are thoroughly HEPA vacuumed and wet wiped.
- D. The AC shall HEPA vacuum and wet wipe any component specified to remain inside the work area enclosure.
- E. The AC shall thoroughly wet wipe all polyethylene sheeting inside the work area enclosure.
- F. Remove and replace all pre-filters on negative air filtration equipment. Decontaminate all negative air filtration equipment including wheels.
- G. Remove all waste from Equipment Room in Decontamination System. Decontaminate entire personnel decontamination facility. Pump standing water from shower basin through filtration system.
- H. Once all surfaces and components within the work area have been thoroughly cleaned, AND THE WORK AREA IS DRY, the AC's Competent Person shall perform a visual inspection of all surfaces and components within the work area enclosure. The AC's Competent Person shall sign off on the work area stating that all abatement has been completed for that portion of work and that the work area has met the no visible residue criteria.
- I. The AC's Competent Person shall then request a final visual inspection to be performed by the Owner's Consultant. The Owner's Consultant shall visually inspect all surfaces and components in the work area for residual debris and or dust. Work areas must be dry for final visual inspection. Inspections will not be performed in work areas where there is standing water or wet surfaces. Additional cleaning shall be performed at the AC's expense if the Owner's Consultant identifies visual debris and/or dust during the visual inspection. Additional cleaning shall be performed until the work area meets the no visible

residue/dust criteria.

- J. Upon acceptance of the work area by the Owner's Consultant, the AC shall apply an even layer of bridging encapsulant to all surfaces contained within the work area. The Owner's Consultant shall verify the completeness of work area encapsulation.

3.11 DISPOSAL OF ASBESTOS AND ASBESTOS CONTAMINATED WASTE

- A. All disposal of asbestos containing and or asbestos contaminated material must be in compliance with requirements of the State of Connecticut Department of Energy and Environmental Protection, State of Connecticut Department of Public Health and the USEPA NESHAP regulations.
- B. Disposal approvals shall be obtained from the CTDEEP before commencing asbestos removal if waste will be disposed of in Connecticut.
- C. Waste container storage locations shall be pre-approved by the Owner, Owner's Consultant and Construction Manager.
- D. A copy of approved disposal authorization shall be provided to the Owner and Owner's Consultant and any required federal, state or local agencies.
- E. Copies of all landfill receipts will be retained by the Owner's Consultant as part of the project file. The receipts will be signed by the landfill operator on receipt, and the quantity of asbestos debris leaving the job site and arriving at the landfill acknowledged.
- F. All asbestos debris shall be transported in covered, sealed vans, boxes or dumpsters, which are physically isolated from the driver by an airtight barrier. All vehicles must be properly licensed to meet United States Department of Transportation (USDOT) requirements.
- G. Friable ACM waste shall be placed in double lined enclosed waste containers equipped with a lockable hasp. Waste containers shall be posted with OSHA warning signs during loading and unloading.
- H. All liquid waste generated during the work shall be solidified. At no time will liquid wastes be permitted to be stored on site. Liquid waste generated during this project shall be solidified prior to the end of each work shift.
- I. Completed Waste Shipment Records (WSR) signed by the landfill must be returned to the Owner or Owner's Consultant no later than 45 days from the time the waste was transported off-site. Completed waste shipment records that are not received by the Owner within 35 days shall require the AC to begin tracking the waste. The AC must notify the Owner of intentions on tracking the waste.
- J. The AC must take appropriate actions as outlined in 40 CFR Part 61 NESHAP regulations when completed WSR are not forwarded to the Owner or Owner's Consultant within 45 days from the time the waste was transported off-site.

3.12 REOCCUPANCY AIR CLEARANCE MONITORING

- A. After the presealant visual inspection has passed and all surfaces in the abatement area have dried, reoccupancy air clearance monitoring will be performed within each work area. The primary and secondary barriers, worker decontamination enclosure, and negative air filtration units shall remain in place. At no time shall tools, ladders, vacuums or waste remain inside the work area enclosure during final air clearance sampling.

- B. Once the work area has dried, the Owner's Consultant shall collect aggressive re-occupancy air clearance samples. Aggressive air monitoring will be used. Selection of the locations of the air samples shall be the responsibility of the Owner's Consultant. Air monitoring volumes shall be sufficient to provide a detection limit of 0.010 f/cc (fiber per cubic centimeter of air) using NIOSH-7400 method by Phase Contrast Microscopy (PCM) or 0.005 s/mm² (structures per square millimeter) using Transmission Electron Microscopy (TEM) method.
- C. Areas that do not comply with the re-occupancy air clearance criteria shall continue to be cleaned by and at the AC's expense until the specified re-occupancy air clearance criteria is achieved as evidenced by results of air testing as previously specified.
- D. Laboratories conducting analysis of final air clearance samples shall be approved by the State of Connecticut Department of Health.

3.13 OWNER'S CONSULTANT RESPONSIBILITY

- A. The Owner has retained the services of Eagle Environmental, Inc. to monitor this project. The Owner's Consultant shall collect and analyze air samples to ascertain the integrity of controls, which protect the building from asbestos contamination. Independently, the AC shall monitor air quality within the work area to ascertain the protection of employees and to comply with OSHA regulations.
- B. The Owner's Consultant shall collect and analyze air samples during a minimum of two time periods:
 - 1. Abatement Period: The Asbestos Abatement Project Monitor shall collect samples on a daily basis during the work period. A sufficient number of background samples shall be taken outside of the work area, at the exhaust of the negative pressure filtration equipment, and outside of the building to evaluate the degree of cleanliness or contamination of the building during asbestos removal. Additional samples may be taken inside the work area and decontamination enclosure system, at the discretion of the Asbestos Abatement Project Monitor.
 - a. The Asbestos Abatement Project Monitor shall provide a continual evaluation of the air quality of the building during asbestos abatement, using his/her best professional judgments in respect to the State Department of Public Health guideline of 0.010 f/cc or the background air quality established during the pre-abatement period, whichever is higher.
 - b. If the Asbestos Abatement Project Monitor determines that the building air quality has become contaminated from the project, he/she shall immediately inform the AC to cease all removal operations and implement a work stoppage clean up procedure. The AC shall conduct a thorough cleanup of areas of the building designated by the Asbestos Abatement Project Monitor. No further asbestos abatement work shall take place until the Asbestos Abatement Project Monitor has determined that the building's air has been decontaminated.
 - c. Abatement air samples shall be collected for a minimum period of ninety minutes at a minimum flow rate of 12 liters per minute, or as required to obtain a volume of 1,000 liters. Samples shall be analyzed by phase contrast microscopy (PCM) using the NIOSH 7400 protocol.
 - 2. Reoccupancy Clearance Period: The Asbestos Abatement Project Monitor shall conduct air sampling following the final cleanup phase of the project, once the "no visible residue" criterion as established by the site supervisor and the Asbestos Abatement Project Monitor has been met.
 - a. Phase Contrast Microscopy (PCM) - For work areas containing less than 260 linear feet or 160 square feet of ACM, post abatement analysis of the samples to determine if

- reoccupancy clearance standards have been met shall be conducted by PCM. A minimum of five (5) samples shall be collected inside each containment utilizing aggressive methods to comply with State of Connecticut DPH Standard for Asbestos Abatement sections 19a-332a-12, and 19a-332a-13. The project shall be considered complete when the results of samples collected in the work area and analyzed by phase contrast microscopy using the most current National Institute for Occupational Safety and Health (NIOSH) method 7400, to show that the concentration of fibers for each of the five samples is less than or equal to a limit of quantification for PCM (0.010 fibers per cubic centimeter of air).
- b. Transmission Electron Microscopy (TEM) - For work areas containing greater than 260 linear feet or 160 square feet of ACM, post abatement analysis of the samples to determine if reoccupancy clearance standards have been met shall be conducted by TEM. A minimum of five (5) samples shall be collected inside containment utilizing aggressive methods to comply with State of Connecticut DPH Standard for Asbestos Abatement sections 19a-332a-12, and 19a-332a-13. An asbestos abatement project shall be considered complete when the average concentration of asbestos fibers of five air samples collected within the work area and analyzed by the TEM method in Appendix A of 40 CFR Part 763 subpart E is less than 70.0 structures per square millimeter (s/mm²) of filter surface or is not statistically significantly different, as determined by the Z-test calculation found in Appendix A of 40 CFR Part 763, subpart E, from the average asbestos concentration of five air samples collected at the same time outside the work area and analyzed in the same manner, and the average asbestos concentration of the three field blanks described in Appendix A of 40 CFR Part 763, subpart E, is below the filter background level, as defined in Appendix A of 40 CFR Part 763 subpart E, of 70 s/mm².
3. Elevated fiber counts: If elevated fiber counts exceeding the establish pre-abatement level or 0.01 f/cc are recorded, the cause for such elevated readings shall be investigated. If necessary, the AC shall be responsible for cleaning the affected area and will provide additional support to lower the air born fiber levels. All cost incurred by the AC for the decontamination work shall be borne by the AC.
- D. Inspections shall be conducted by the Owner's Consultant throughout the progress of the abatement project. Inspections shall be conducted in order to document the progress of the abatement work as well as the procedures and practices employed by the AC. The Asbestos Abatement Project Monitor shall perform the following inspections during the course of abatement activities.
1. Precommencement Inspection: Precommencement inspections shall be performed at the time requested by the AC. The Asbestos Abatement Project Monitor shall be informed 24 hours prior to the time the inspection is needed. During the course of the precommencement inspection, the Asbestos Abatement Project Monitor shall inspect the containment. This shall include, but not be limited to, inspection of barrier integrity, the worker decontamination, facility, negative air filtration equipment etc. If during the course of the precommencement inspection, deficiencies are found, the AC shall perform the necessary adjustments in order to obtain compliance.
 2. Work Area Inspections: Work area inspections shall be conducted on a daily basis at the discretion of the Asbestos Abatement Project Monitor. During the course of the work area inspections, the Asbestos Abatement Project Monitor shall observe the AC removal procedures, verify barrier integrity, monitor negative air filtration devices, assess project progress, and inform the AC of specific remedial activities if deficiencies are noted.
 3. Presealant Inspection: Upon the request of the AC, The Asbestos Abatement Project Monitor shall conduct a presealant inspection. The presealant inspection shall be conducted after completion of the initial final cleaning procedures, but prior to work area encapsulation. The presealant inspection shall verify that all ACM and residual debris have been removed from the work area. If, during the course of the presealant inspection, the Asbestos Abatement Project Monitor identifies residual dust or debris, the AC shall comply with the request of the Asbestos

7/3/25

Exhibit A

Center Road School

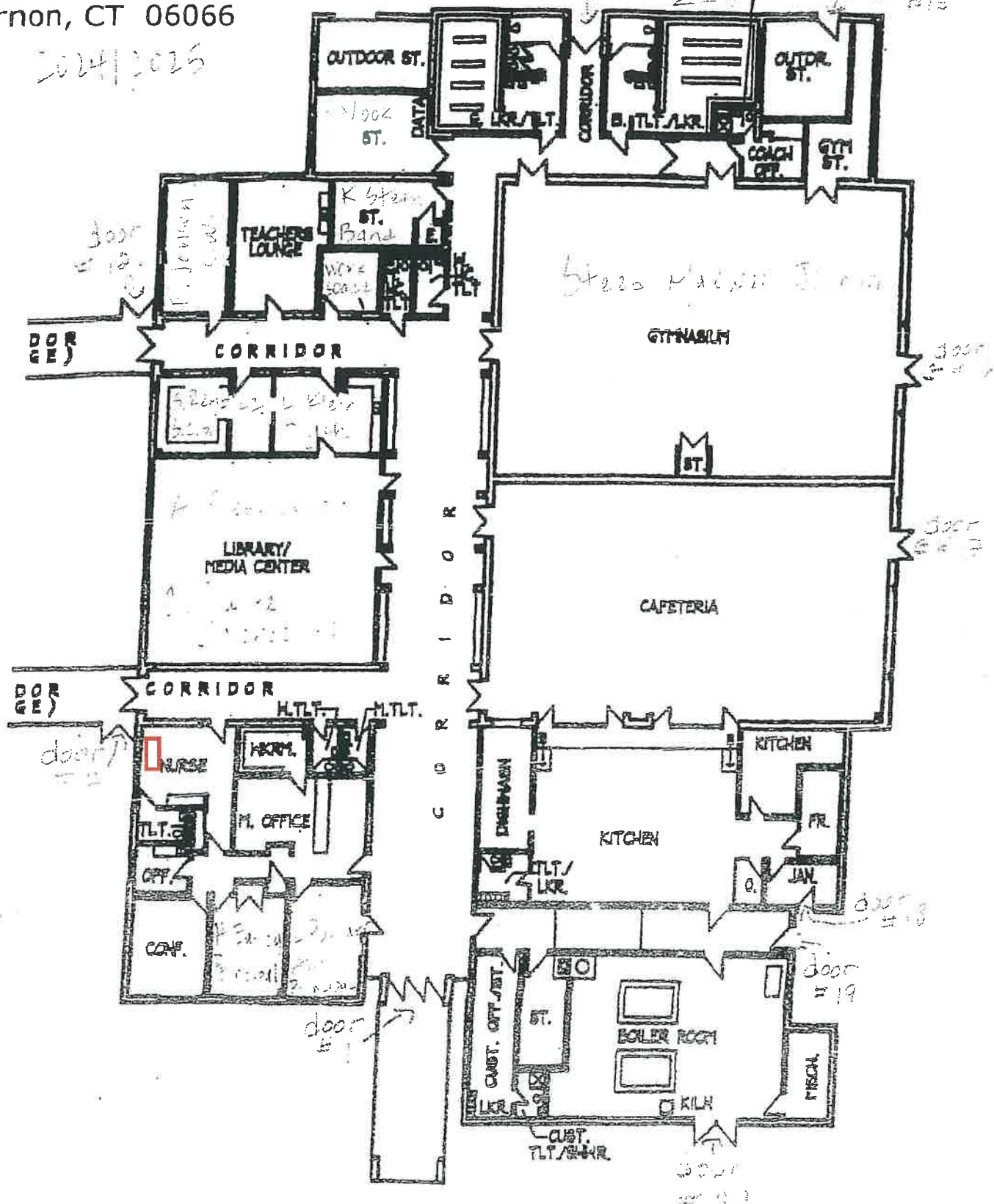
Mechanical Rooms and Roofing Debris

- Abatement Project Monitor, in order to render the area is free of visible residue.
4. Final Visual Inspection: Following receipt of acceptable reoccupancy air monitoring results and concurrent with removal of the work area containment, the Asbestos Abatement Project Monitor shall conduct a final visual inspection. If residual dust or debris is identified during the course of the final inspection, the AC shall comply with the request of the Asbestos Abatement Project Monitor, in order to render the area free of visible residue.

END OF SECTION 02080

ENTER ROAD SCHOOL
0 Center Road
ernon, CT 06066

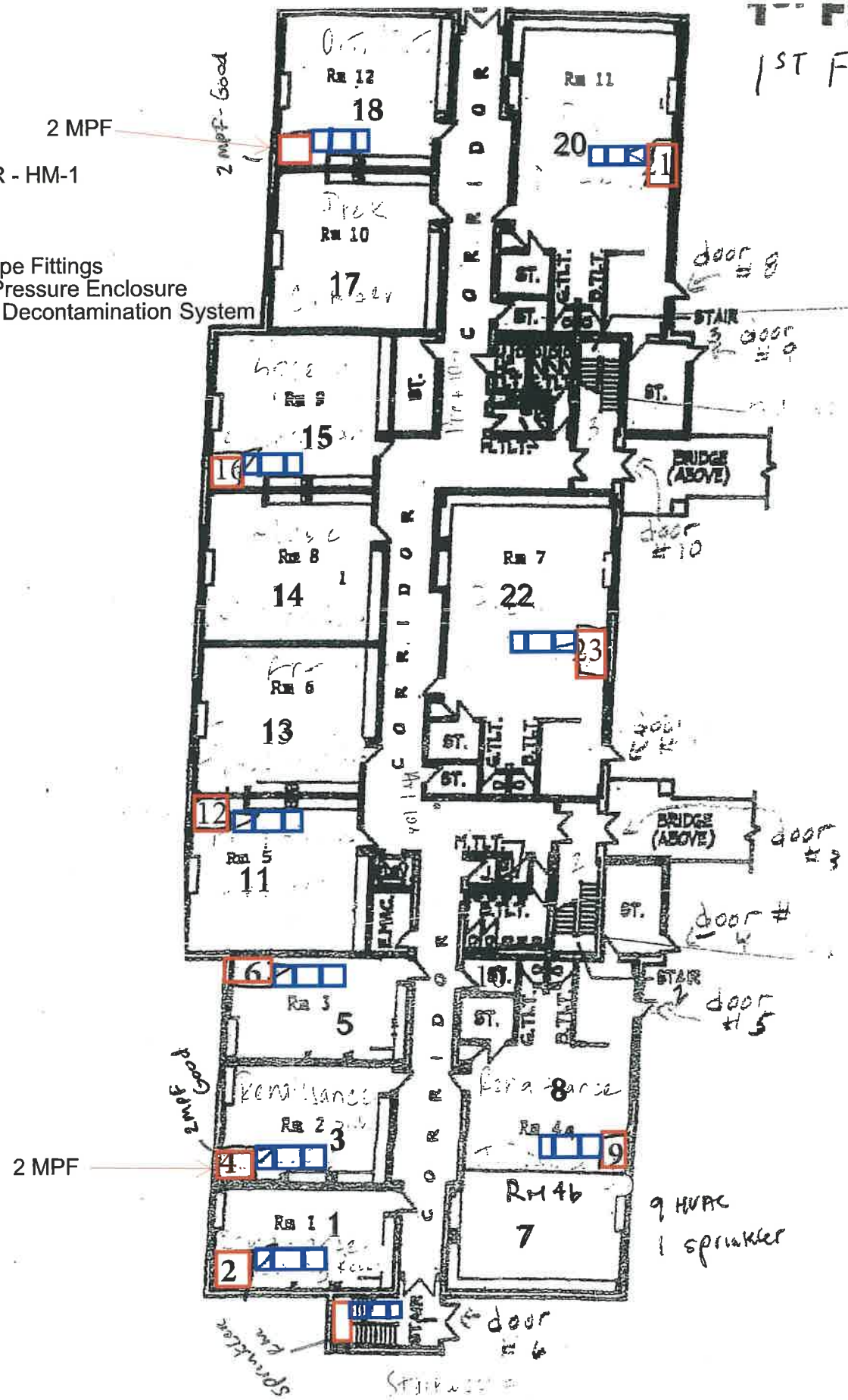
2024/2025



1ST FLOOR

FIRST FLOOR - HM-1

Key:
 MPF = Mudded Pipe Fittings
 [Red Box] = Negative Pressure Enclosure
 [Blue Box] = Personnel Decontamination System



SECOND FLOOR -HM-2

Key:

MPF = Muddled Pipe Fittings

= Negative Pressure Enclosure

= Personnel Decontamination System

8 MPF

8 MPF Good

8 MPF

8 MPF Good

7 MPF

7 MPF Good

3 MPF

3 MPF Good

6 MPF

6 MPF Good

8 MPF

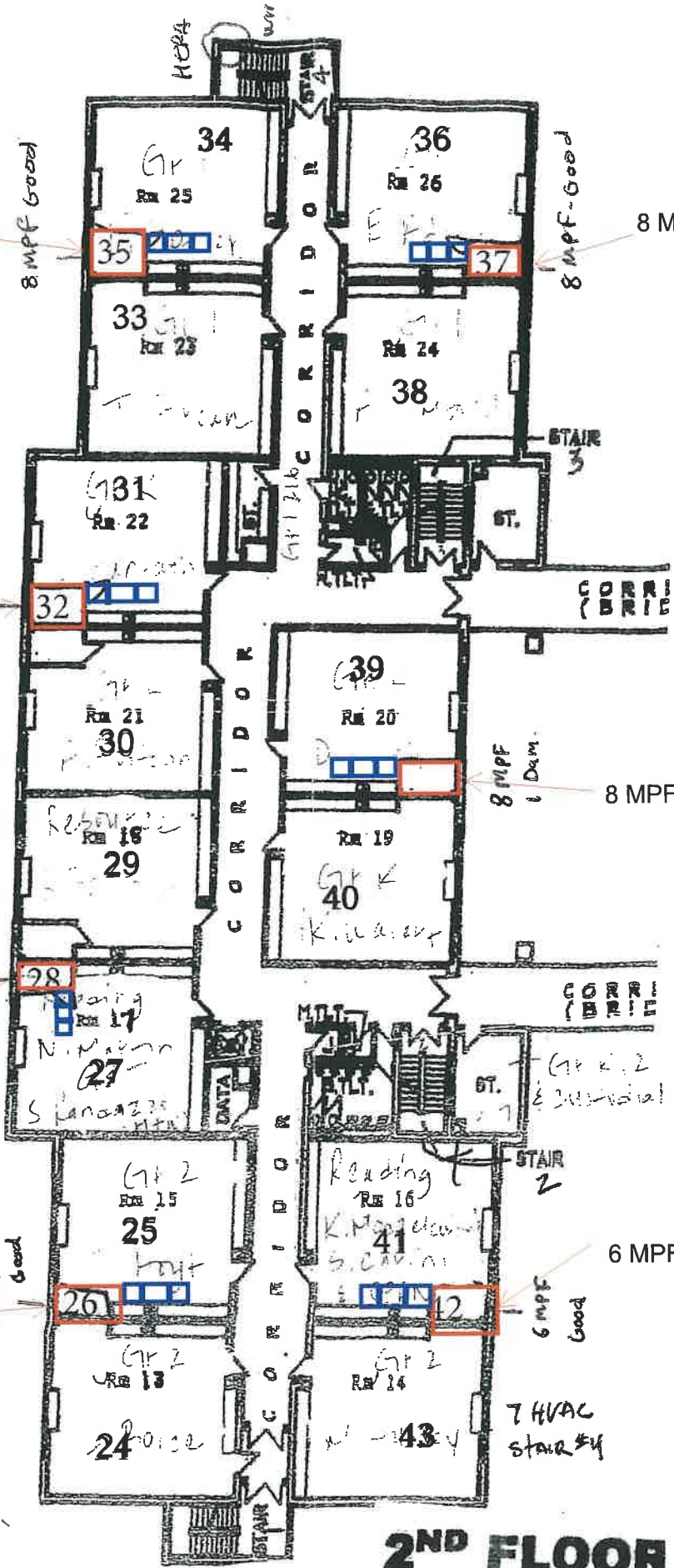
8 MPF Dam.

6 MPF

6 MPF Good

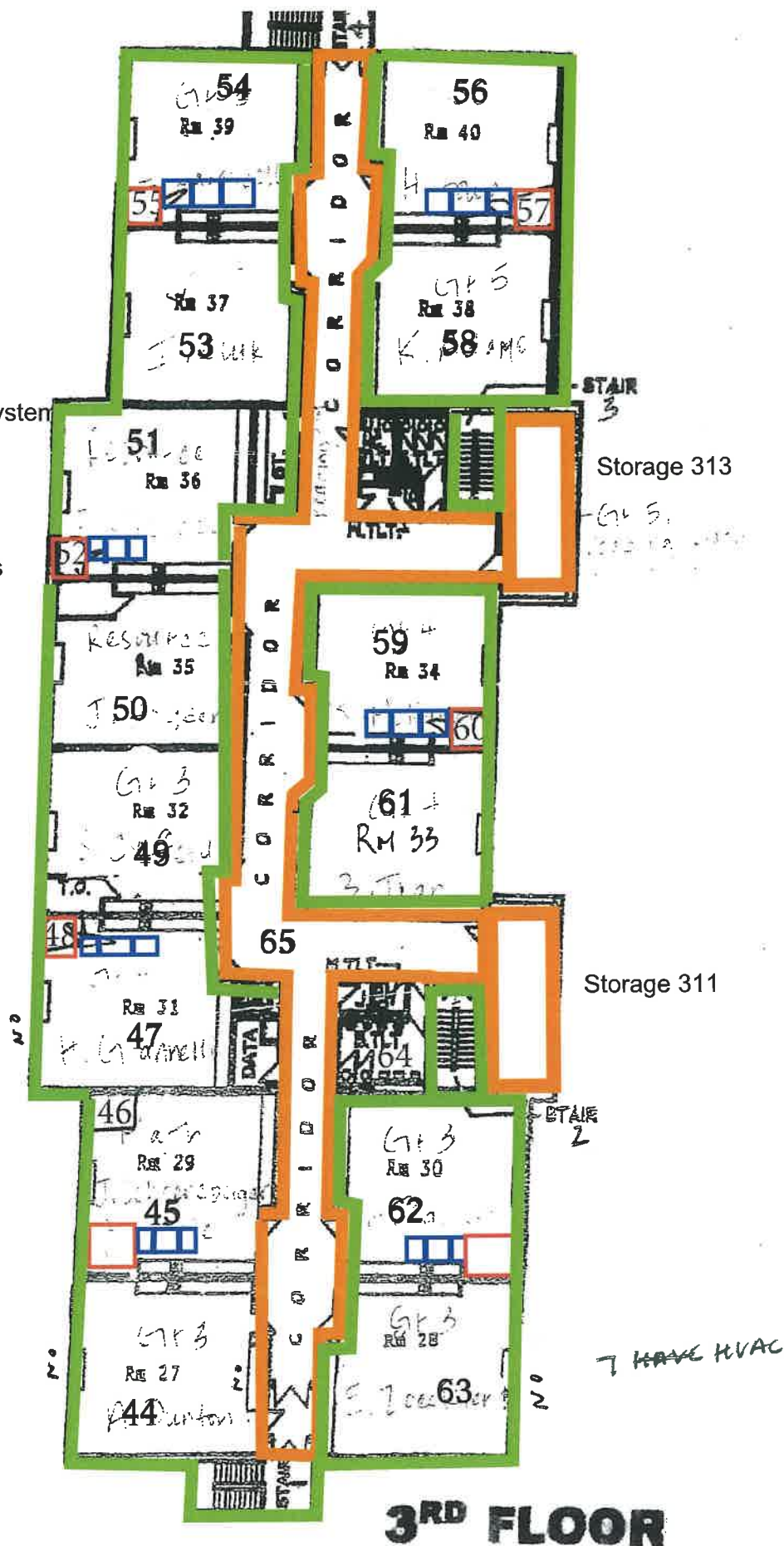
7 HVAC
STAIR #4

2ND FLOOR



Key:

- MPF = Mudded Pipe Fittings
- = Negative Pressure Enclosure
- = Personnel Decontamination System
- = Asbestos Roofing Debris Removal
- = Non-Asbestos Roofing Debris Removal



FORM OF BID
VERNON PUBLIC SCHOOLS
CENTER ROAD SCHOOL
20 CENTER ROAD
VERNON, CONNECTICUT

- A. Bidders are advised that his project is subject to Prevailing Wage Rates
- B. The undersigned, having attended the walkthrough with Eagle Environmental, Inc. and the Vernon Public Schools and Town of Vernon on July 3, 2025; having verified the quantities and conditions affecting the cost of the work; having reviewed in detail the Drawings HM-1, HM-2, HM-3, and HM-4 and Section 02080 Asbestos Abatement Specification prepared by Eagle Environmental, Inc. dated July 3, 2025; hereby proposes to furnish all labor, materials, equipment and services required for the removal and decontamination of the specified asbestos and non-asbestos-containing materials at the Center Road School located at 20 Center Road in Vernon, CT in accordance therewith, for the Contract Price specified below.
- C. The proposed Contract Price for the work is as follows:

Base Bid Scope of Work – Bid Package No. 1: Mechanical Rooms

Thirty nine thousand nine hundred _____ Dollars (\$ 39,900.00).

Base Bid Scope of Work – Bid Package No. 2: Asbestos-Containing Roofing Debris Cleanup Supply Closets and Third Floor Corridors

Twenty nine thousand eight hundred _____ Dollars (\$ 29,800.00).

Base Bid Scope of Work – Bid Package No. 3: Non-Asbestos-Containing Roofing Debris Cleanup Classrooms and Stairwells

Fifty seven thousand six hundred _____ Dollars (\$ 57,600.00).

Please include a copy of your current Asbestos Abatement Contractor license and proof of insurance with form of bid.

One Source Environmental, LLC

Company Name

61 Industrial Park Road

Company Address

Middletown, CT 06457



Signature

Sean Cassidy

Name

Vice President

Title

Date: 7/8/25

Note - pricing includes non-prevailing wage rates.
Pricing includes overtime associated with working on Saturdays to meet the project schedule.