

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

## Town of Hanson



### INVITATION FOR BIDS (IFB)

Demolition, Asbestos Abatement and Hazardous Materials Removal of former Maquan Elementary School,  
138 School Street, Hanson, MA 02341

#### **1. Introduction:**

The Town of Hanson, the Awarding Authority seeks sealed bids for the “Demolition, Asbestos Abatement and Hazardous Material Removal of the former Maquan Elementary School”, located at 138 School Street, Hanson, MA, 02341.

This Invitation for Bid is developed in accordance with the requirements of Massachusetts General Law Chapter 149.

The scope of work includes but is not limited to, the following:

- Removal of asbestos and hazardous materials
- Demolition, removal, and proper disposal of existing building.
- All bituminous paving shall be removed.
- ALL FOUNDATIONS must be removed with the exception of natural field stone or granite, which may be used as fill.
- Suitable fill and compaction of partial basement and septic tank
- Provide all labor, materials, equipment, service and transportation required to complete the demolition and site clearance work as specified herein.
- Obtain and pay for all necessary fees, permits and licenses. The Town of Hanson will not waive any relevant municipal fees if a bid for a specific project has been submitted by the contractor for a specific amount.
- Contractor shall visit site to ascertain existing conditions under which demolition and site clearance must be done. Any accessory structure shall be included as part of a demolition and site clearance project.
- Comply with all provisions of the building code and obtain all necessary permits prior to the start of work.

The Town of Hanson (the “Town”), is issuing this Invitation for Bids (IFB), to solicit bids from qualified contractors, to complete the “Demolition, Asbestos Abatement and Hazardous Material

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

Removal of the former Maquan Elementary School,” and complete all clean up required from the demolition.

The Maquan School building is 75,519 square feet and the surrounding land 17.800 acres.

The Town of Hanson is a small community located in Plymouth County, accessible via main roadways, Rte 58 and Rte 27.

Estimated cost of this project is **\$1,200,000.**

## **TABLE OF CONTENTS**

<b>Section</b>	<b>Title</b>	<b>Page</b>
2	Submission Process	3
3	Publication	4
4	Bid Information	4
5	Scope of Work	4
6	Statutes Regulating Competitive Bidding	5
7	Wage Rates	5
8	Insurance	5
9	Contractor Records	6
10	DCAMM Certification Required	6
11	Comparisons of Bids	6
12	General Conditions	7
13	Method of Award	7
14	Implementation Plan and Project Timetable	7
15	Pre-Bid Site visit	8
16	Bid Security	8
17	Review and Selection Process	8
	Form of General Bid	9/10
	References	11
	Appendix A: Non-Collusion and Tax Compliance	
	Appendix B: Sample Agreement	
	Appendix C: Form For Sub-Bid	
	Appendix D: Pre-Demolition Asbestos Survey	

## **2. Submission Process**

Bids will be submitted, in a sealed envelope clearly labeled, “Demolition, Asbestos Abatement and Hazardous Materials Removal of former Maquan Elementary School.”

Two (2) original and (4) copies of the bid must be delivered in a sealed package, clearly marked “Demolition, Asbestos Abatement and Hazardous Materials Removal of former Maquan Elementary School.”, to Lisa Green, Town Administrator, 542 Liberty Street,

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

Hanson, MA 02341, no later than **11:00 a.m., Thursday, May 4, 2023**, at which time the bids will be opened and read aloud.

Prospective bidders are strongly encouraged to attend a site inspection of the building and property, to be held on **Friday, April 21, 2023 at 10:00 a.m.**

All bids shall be deemed to be public record within the meaning of M.G.L. Chapter 4, Section 7, after the bids due date.

If necessary, the Town will issue addenda to all respondents on record as having requested a copy of this IFB. Addenda will be mailed or emailed to all such respondents. However, it is the respondents' responsibility to ensure that they are in receipt of all addenda.

After the bid due date, a respondent may not change any provision of their bid in a manner prejudicial to the interests of the Town or fair competition. Minor informalities will be waived or the respondent will be allowed to correct the minor informality(ies). If a mistake and the intended proposals are clearly evident on the face of the proposal document, the mistake will be corrected to reflect the intended correct proposal and the respondent will be notified in writing.

All bids must be signed as follows: (1) if the respondent is an individual, by him/her personally; (2) if the respondent is a partnership, by the name of the partnership followed by the signature of each general partner, and (3) if the respondent is a corporation, by the authorized officer together with a clerk's certificate.

The bid must include a detailed description of all members of the business association, general or limited partnership or joint venture or corporation and the jurisdiction in which it is registered to do business and as a business or corporation, general or limited partnership or joint venture. The proposal shall include all contact information for members including but not limited to, full name, address, telephone numbers and email addresses as well as full business mailing addresses of all corporate officers. A full description of the nature of the operation of the business, corporation, business association, general or limited partnership or joint venture.

The Town reserves the right to reject any and all bids or to cancel the IFB as is determined to be in the best interest of the Town.

Respondent(s) may correct, modify, or withdraw bids prior to bid openings.

The successful respondent(s) must be an Equal Opportunity Employer.

**3. Publication:**

Central Register: **April 5, 2023**

Whitman Hanson Express: **April 6, 2023**

COMMBUYS: **April 5, 2023**

**4. Bid Information:**

The Town of Hanson (the "Town"), is issuing this Invitation for Bids (IFB), to solicit bids from qualified contractors, for the complete demolition, asbestos abatement and hazardous material removal of the Maquan Elementary School, and complete all clean up required from the demolition.

The Maquan School building is 75,519 square feet and the surrounding land 17.800 acres.

Bids will be submitted, in a sealed envelope clearly labeled, "Demolition, Asbestos Abatement and Hazardous Materials Removal of former Maquan Elementary School. "

Two (2) original and (4) copies of the bid must be delivered in a sealed package, clearly marked "Demolition, Asbestos Abatement and Hazardous Materials Removal of former Maquan Elementary School." and addressed to Lisa Green, Town Administrator, Hanson Town Hall, 542 Liberty Street, Hanson, Massachusetts 02341, no later than **11:00 a.m., on Thursday, May 4, 2023**, at which time the bids will be opened and read aloud.

**5. Scope of Work:**

The scope of work includes but is not limited to, the following:

- Removal of asbestos and hazardous materials;
- Demolition, removal, and proper disposal of existing building;
- All bituminous paving shall be removed;
- ALL FOUNDATIONS must be removed with the exception of natural field stone or granite, which may be used as fill;
- Suitable fill and compaction of partial basement and septic tank;
- Provide all labor, materials, equipment, service and transportation required to complete the demolition and site clearance work as specified herein;
- Obtain and pay for all necessary fees, permits and licenses. The Town of Hanson will not waive any relevant municipal fees if a bid for a specific project has been submitted by the contractor for a specific amount;
- Contractor shall visit site(s) to ascertain existing conditions under which demolition and site; clearance must be done. Any accessory structure shall be included as part of a demolition and site clearance project;
- Water will be required to be provided by winning bidder.
- Comply with all provisions of the building code and obtain all necessary permits prior to the start of work.

**6. Statutes Regulating Competitive Bidding:**

Any bid which does not comply with the provisions of Massachusetts General Laws Chapter 149, Sections 44A through 44H, as amended, need not be accepted and the Owner may reject every such bid.

7. **Wage Rates:**

Prevailing Wage Rates as determined by the Commissioner of Department of Labor and Workforce Development under the provision of the Massachusetts General Laws, Chapter 149, Section 26 to 27G, as amended, apply to this project. It is the responsibility of the bidder, before bid opening, to request any additional information on Prevailing Wage Rates for those tradespeople who may be employed for the proposed work under this contract.

8. **Insurance**

The Contractor shall carry and continuously maintain until completion of the Contract, insurance as specified in Agreement and in such form as shall protect him performing work covered by this Contract, and the Town of Hanson and its employees, agents and officials, from all claims of liability for damages for bodily injury, including accidental death, and for property damage, which may arise from operations under this Contract. The Town shall be named as an additional insured. The Contractor covenants and agrees to hold the Town and its employees, agents and officials harmless from loss or damage due to claims for bodily injury or death and/or property damage arising from, or in connection with, operations under this Contract.

The Contractor shall provide Certificates of Insurance coverage as listed below and shall be provided by insurer(s) licensed to do business in the Commonwealth of Massachusetts. Said insurance shall be provided at the Contractor's expense and shall be in full force and effect during the full term of this Contract.

Certificates evidencing that such insurance are in full force and effect shall be delivered to the Town simultaneously with the final execution of this contract, and renewal certificates will be provided annually throughout the contract term. Failure to do so shall constitute a material breach of this contract and be grounds for immediate termination.

The Contractor's Liability Policies shall be so written that the Town of Hanson shall be named as "**Additional Insured**" and that the Town will be notified of cancellation at least thirty (30) days prior to the effective date of such cancellation, and shall include:

1. Workers' Compensation Insurance and Employer's Liability as required by the General Laws of the Commonwealth of Massachusetts. Coverage for all employees in accordance with Massachusetts General Laws, including Employer's Liability Part B
2. General Liability of at least \$1,000,000 Bodily Injury and Property Damage Liability, Combined Single Limit with a \$3,000,000 Annual

Aggregate Limit.

3. Vehicle Liability of at least \$1,000,000 Bodily Injury and Property Damage Liability a
4. Umbrella Liability of at least \$2,000,000/occurrence; \$5,000,000/aggregate
5. Pollution Liability of at least \$1,000,000/occurrence, \$3,000,000 aggregate

9. **Contractor Records:**

The Contractor shall comply with the provisions of Massachusetts General Laws, Chapter 30, Section 39R concerning Contractor records.

10. **DCAMM Certification Required:**

General bidders must be certified by the Division of Capital Asset Management and Maintenance (DCAMM) in the following category of work, Demolition and Asbestos Removal. All bidders must submit a current DCAMM Certificate of Eligibility and signed DCAMM Prime/General Contractor Update Statement.

Asbestos Removal involves the removal and disposal of asbestos previously incorporated into a building, which may include encapsulation. To be certified in this category, the contractor must possess a current, valid Asbestos Contractor License issued by Massachusetts Occupational Safety for Lead & Asbestos.

Demolition involves work customarily performed by a building wrecking contractor including the razing of buildings or parts of buildings, major gutting of buildings or removal of structural elements of a building.

11. **Comparisons of Bids:**

Bids will be compared on the basis of prices set forth in the bid forms. In the event that there is a discrepancy between the lump sum or unit prices written in words and figures, the prices written in words will govern.

12. **General Conditions:**

The Contractor shall conform to all general conditions as specified herein.

12-1. **Bidder Qualifications:**

All bidders must be certified as eligible Demolition Contractors and, Asbestos Removal from the Massachusetts Division of Capital Asset & Management and provide a current update statement.

12-2. **Right to Reject Bids Reserved:**

The Town of Hanson reserves the right to reject any or all general bids, if it be in the best interest of the town to do so.

**12-3. Fire Prevention:**

No fires shall be permitted. All operations at the site shall be so performed that no fire hazards are needlessly created or permitted to exist. Any flammable material shall be kept at an absolute minimum and properly handled and stored.

**12-4. Traffic Control:**

The Contractor at his expense shall provide police details and other personnel and equipment to ensure public safety and smooth traffic flow during demolition and site clearance operations. Officers shall be paid prevailing wages required by M.G.L. Ch. 149 ss 34B.

**12-5. Laws and Regulations:**

The bidder's special attention is directed to the fact that all applicable State laws, Municipal ordinances and By-laws, and the rules and regulations of all authorities having jurisdiction over the project shall apply to the Contract as if therein written out in full. These laws include, but are not limited to M.G.L. Ch. 149 ss A-J, Ch. ss 26-27B inclusive.

**13. Method of Award:**

The Contract will be awarded to the lowest responsible and responsive bidder subject to pending reference checks and DCAMM Certification verification.

**14. Implementation Plan and Project Timetable:**

All bids shall include a plan layout of the demolition and clean-up of the building as well as a projected timetable for the project.

**15. Pre-Bid Site visit:**

Prospective bidders are encouraged to attend a site inspection of the building and property, to be held on **Friday April 21, 2023 at 10:00 A.M** at 138 School Street, Hanson, MA.

The preparation of the IFB response shall be at the expense of the respondent(s). It is the sole responsibility of the respondent(s) to fully examine this IFB attachments and referenced documents. Questions shall be addressed in writing to Lisa Green, Town Administrator, Select Board Office, 542 Liberty Street, Hanson, MA 02341, or via email: [Lgreen@hanson-ma.gov](mailto:Lgreen@hanson-ma.gov), by **1:00pm, April 24, 2023**. Answers to timely submitted questions will begin writing and the questions and answers will be shared with all those on record as having received a copy of the IFB.

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

The text of all question as the Town determines relevant, and the answers provided, will be forwarded to all prospective firms who has requested a copy of the IFB by **April 26, 2023**.

**Contact with other Town officials regarding this IFB is prohibited.**

**16. Bid Security:**

Bid Security in the amount of **Five Percent (5%) of the bid dollars**, including all alternates, if any included in this bid shall accompany each bid submittal. The bid deposit may be in the form of a certified treasurer's check or cashier's check issued by a responsible bank or trust company, payable to the Town of Hanson. Personal checks or cash will not be accepted.

The Bid security shall secure the execution of the Contract and the furnishing of a performance and payment bond by a successful bidder.

**17. Review and Selection Process:**

Two (2) original and (4) copies of the bid must be delivered in a sealed package, clearly marked "Demolition, Asbestos Abatement and Hazardous Materials Removal of former Maquan Elementary School.", to Lisa Green, Town Administrator, Town Hall, 542 Liberty Street, Hanson, MA 02341, no later than **11:00A.M. Thursday, May 4, 2023**, at which time the bids will be opened and read aloud.

A bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified will not be considered. The bidder agrees that its bid shall be good and may not be withdrawn for a period of 30 days, Saturdays, Sundays, and legal holidays excluded, after the opening of bids.



Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

**FORM OF GENERAL BID**

Bids of \_\_\_\_\_ (hereinafter called "Bidder")\*

( ) a corporation, organized and existing under the laws of the state of \_\_\_\_\_

( ) a partnership

( ) a joint venture

( ) an individual doing business as \_\_\_\_\_

A) To the Town of HANSON, Massachusetts (hereinafter called "Owner").

The undersigned Bidder, in compliance with your invitation for bids for the project known as "Demolition, Asbestos Abatement and Hazardous materials Removal of former Maquan Elementary School", having examined the plans and specifications and related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, and supplies, and to construct the project in accordance with the contract documents and the plans and specifications within the time set forth below, and at the prices stated below.

These prices are to cover all expenses incurred in performing the work required under the contract documents, of which this bid is a part.

B) Bidder acknowledges receipt of and this bid includes the Following addenda:

No. \_\_\_\_\_ Dated:

No. \_\_\_\_\_ Dated:

C) The Bidder agrees to perform the bid work described in the specifications and shown on the plans for the following contract price: \$ \_\_\_\_\_

Bid price in written words:

\_\_\_\_\_

The Bidder understands that all bids for this project are subject to the applicable bidding laws of the Commonwealth of Massachusetts, General Laws Chapter 149.

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of 30 days, Saturdays, Sundays and legal holidays excluded, after the opening of bids.

Within 10 days of receipt of the written notice of acceptance of this bid, the Bidder will execute the formal Agreement set forth in

Bid security is attached in the sum of five percent (5%) of the total bid in accordance with the conditions of the BID BOND document. The bid security may become the property of the Owner in the event the contract and bond are not executed within the time set forth above.

The selected Contractor shall furnish a performance bond and a payment bond in an amount at least equal to 100 percent (100%) of the contract price, as required by Massachusetts Public Construction Law.

The undersigned offers the following information as evidence of his qualifications to perform the work as bid upon according to all the requirements of the plans and specifications.

1. Have been in business under present name for \_\_\_\_\_ years.
2. The names and address of all person interested in the bid (if made by a partnership or corporation) as principals, are as follows:

---

---

---

3. The bidder is requested to state below what work of a similar character to that included in the proposed contract he has done, and give references that will enable the Owner to judge his experience, skill and business standing (add supplementary page if necessary).

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

**References:**

All bidders are required to provide a list of references.

Bank reference \_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Bank)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Telephone No.)

\_\_\_\_\_  
(Email address)

Pursuant to M.G.L. CH. 62C, Sec. 49A, I certify hereby in writing, under penalties of perjury, that the within named Bidder/Contractor has complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting of child support.

The undersigned Bidder hereby certifies under penalties of perjury, as follows: (1) that he/she is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; (2) that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and (3) that all employees to be employed in the work subject to this bid have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration.

The undersigned certifies under penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this paragraph the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity.

The undersigned bidder hereby certifies, under pains and penalties of perjury, that the foregoing bid is based upon the payment to laborers to be employed on the project of wages in an amount no less than the applicable prevailing wage rates established for the project by the Massachusetts Department of Labor and Workforce Development. The undersigned bidder agrees to indemnify the awarding authority for, from and against

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

any loss, expense, damages, actions or claims, including any expense incurred in connection with any delay or stoppage of the project work arising out of or as a result of (1) the failure of the said bid to be based upon the payment of the said applicable prevailing wage rates or (2) the failure of the bidder, if selected as the contractor, to pay laborers employed on the project the said applicable prevailing wage rates.

Respectfully submitted:

Date: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print Name of Bidder)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(City and State)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(email address)

**BID BOND**

KNOW ALL PERSONS BY THESE PRESENTS, that we the undersigned

\_\_\_\_\_, as Principal, and  
(insert name of bidder)

\_\_\_\_\_, as Surety, are hereby held  
(insert name of surety) and firmly bound unto the Town of Hanson, MA, in the  
sum of \$ \_\_\_\_\_ as liquidated damages for payment of which, will and truly  
to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators,  
successors, and assigns.

The condition of this obligation is such that whereas the Principal has submitted to the Town of  
Hanson, MA a certain Bid attached hereto and hereby made a part hereof, to enter into a contract  
in writing, hereinafter referred to as the "AGREEMENT" and/or  
"CONTRACT,"

NOW THEREFORE

(a) If said BID shall be rejected or withdrawn as provided in the INFORMATION FOR  
BIDDERS attached hereto or, in the alternative,

(b) If said BID shall be accepted and the Principal shall duly execute and deliver the form of  
AGREEMENT attached hereto and shall furnish the specified bonds for the faithful  
performance of the AGREEMENT and/or Contract and for the payment for labor and materials  
furnished for the performance of the AGREEMENT and/or contract,

then this obligation shall be void, otherwise it shall remain in full force and effect; it being  
expressly understood and agreed that the liability of the Surety for any and all claims there under  
in no event shall exceed the amount of this obligation.

The Surety, for value received, hereby agrees that the obligations of said Surety and its bond  
shall be in no way impaired or affected by any extensions of the time within which such BID  
may be accepted, and said Surety does hereby waive notice of any such extensions.

IN WITNESS WHERE OF, the parties hereto have duly executed this bond on the  
\_\_\_\_\_ day of \_\_\_\_\_, 2022

(SEAL)

BY:

\_\_\_\_\_

( Name of Surety)

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

**NOTICE OF AWARD**

TO: \_\_\_\_\_,

The OWNER has considered the BID submitted by you for the above-described WORK in response to its Advertisement for Bids dated and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of \$ \_\_\_\_\_

You are required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S PERFORMANCE BOND, PAYMENT BOND, and CERTIFICATES OF INSURANCE ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS within ten (10) days from the date on this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID SECURITY. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER. Dated this \_\_\_\_\_ day of \_\_\_\_\_, 202\_\_.

Town of Hanson, Massachusetts  
Owner

By \_\_\_\_\_  
Title \_\_\_\_\_ Town Administrator \_\_\_\_\_

**ACCEPTANCE OF NOTICE**

Receipt of the above NOTICE OF AWARD is hereby acknowledged:

\_\_\_\_\_  
Signature of Contractor

\_\_\_\_\_  
Print Name

Date: \_\_\_\_\_

**APPENDIX A**

**CERTIFICATIONS REQUIRED BY LAW**

**Non-Collusion Form and Tax Compliance Form**

Persons submitting a bid or proposal to provide supplies or services to your jurisdiction, or to purchase supplies from your jurisdiction, must submit a certification of non-collusion and tax compliance.

**CERTIFICATE OF NON-COLLUSION**

The undersigned certifies under penalties of perjury that his bid or proposal had been made and submitted in good faith and without collusion or fraud with any other persons. As used in this certification, the work "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

Signature

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
Name of Business

**TAX COMPLIANCE CERTIFICATION**

Pursuant to M. G.L. Chapter 62C, § 49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth of Massachusetts relating to taxes.

Signature

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
Name of Business

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

## APPENDIX B

### SAMPLE AGREEMENT

THIS AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_

in the year Two Thousand and \_\_\_\_\_, between \_\_\_\_\_,

with a usual place of business at \_\_\_\_\_, hereinafter

called the CONTRACTOR, and the Town of HANSON, acting by its Select

Board, with a usual place of business at 542 Liberty Street, HANSON, MA

02341, hereinafter called the OWNER.

The CONTRACTOR and the OWNER, for the consideration hereinafter named, agree as follows:

1. Scope of Work

The Contractor shall furnish all labor, materials, equipment and insurance to perform all work required for the project known as the "Demolition, Asbestos Abatement and Hazardous Materials Removal of former Maquan Elementary School", 138 School Street, Hanson Project, in strict accordance with the Contract Documents and all related Drawings and Specifications. The said Documents, Specifications, Drawings and any supplemental general conditions are incorporated herein by reference and are made a part of this Agreement.

2. Contract Price

The Owner shall pay the Contractor for the performance of this Agreement, subject to additions and deductions provided herein, in current funds, the sum of

\$ \_\_\_\_\_.

3. Commencement and Completion of Work and Liquidated Damages

It is agreed that time is of the essence of this Agreement. The Contractor shall commence and prosecute the work under this Agreement upon execution hereof and shall complete the work on or before \_\_\_\_\_.

Definition of Term: The Term "Substantial completion" shall mean the date certified by the Owner when construction is sufficiently complete, in accordance with the Contract Documents, so the Owner may occupy the project, or designated portion(s) thereof, for the use for which it is intended.



- A. Time as Essential Condition: It is understood and agreed that the commencement of and substantial completion of the work are essential conditions of this Agreement. It is further agreed that time is of the essence for each and every portion of the Contract Documents wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the Contract Documents any additional time is allowed for the completion of any work, the new time fixed by such extension shall be of the essence of this Agreement. It is understood and agreed that the times for the completion of the work are reasonable, taking into consideration the average climatic range and usual industrial conditions prevailing in this locality.
  
- B. Progress and Completion: Contractor shall commence work promptly upon execution of this Agreement and shall prosecute and complete the work regularly, diligently and uninterruptedly at such a rate of progress as will insure Substantial Completion within the stipulated number of calendar days.
  
- C. Liquidated Damages: It is expressly agreed between the Contractor and the Owner that the Contractor will be responsible for all damages which may arise due to the Contractor's failure to substantially complete the work within the above specified time. If the Contractor shall neglect, fail or refuse to complete the work within the specified number of days, or any extension thereof authorized by the Owner, Contractor agrees, as a part of the consideration for the execution of this Contract by the Owner, to pay the Owner the amount specified herein, not as a penalty, but as liquidated damages for such breach of contract as hereinafter set forth, for each and every calendar day, excluding Saturdays, Sundays and legal Holidays, that the Contractor shall be in default of Substantial completion after the date specified in the Agreement. Due to the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain, said amount is agreed to be the amount of damages which the Owner would sustain, and said amount shall be retained from time to time by the Owner from current periodic estimates. The amount of liquidated damages shall be \_\_\_\_\_ per day.
  
- 4. Performance of the Work
  - A. Direction of the Work: The Contractor shall supervise and direct the Work, using his best skills and attention which shall not be less than such state of skill and attention generally rendered by the contracting profession for projects similar to the Project in scope, difficulty and location. The Contractor shall maintain adequate supervisory personnel at the project site during the performance of the Work. He shall be solely responsible for all construction means, methods, techniques, sequences and procedures and for coordinating all portions of the Work under the Agreement.
  
  - B. Responsibility for the Work:
    - (1) The Contractor shall be responsible to the Owner for the acts and omissions of his employees, Subcontractors and their agents and employees, and other persons performing any of the Work under a contract with the Contractor. This obligation

shall also extend to the presence on the Site of suppliers of materials or equipment, their employees, contractors, and agents engaged in the work.

- (2) The Contractor shall not be relieved from his obligations to perform the Work in accordance with the Contract Documents either by the activities or duties of the Owner in its administration of the Agreement, or by inspections, tests or approvals required or performed by persons other than the Contractor.
- C. Permits and Fees: Unless otherwise expressly provided, the Contractor shall secure and pay for all permits and fees, licenses and inspections necessary for the proper execution and completion of the Work which are customarily secured after execution of the Agreement and which are legally required at the time the bids are received, and the same shall at all times be the property of the Owner and shall be delivered to the Owner upon completion of the Project.
- D. Notices, Compliance with Laws:
- (1) The Contractor shall give all notices and comply with all federal, state and local laws, ordinances, rules, regulations and lawful orders of any public authority bearing on the performance of the Work. The Contractor shall provide the Owner with reproductions of all permits, licenses and receipts for any fees paid. The Owner represents that it has disclosed to the Contractor all orders and requirements known to the Owner of any public authority particular to this Agreement.
  - (2) If the Contractor observes that any of the Contract Documents are at variance with applicable laws, statutes, codes and regulations in any respect, he shall promptly notify the Owner in writing, and any necessary changes shall be accomplished by appropriate modification.
  - (3) If the Contractor performs any Work which he knows or should know is contrary to such laws, ordinances, rules and regulations, and without such notice to the Owner, he shall assume full responsibility therefor and shall bear all costs attributable thereto.
  - (4) In the performance of the Work, the Contractor shall comply with all applicable federal, state and local laws and regulations including those relating to workplace and employee safety. The Contractor shall notify the Owner immediately of any conditions at the place of the work which violate said laws and regulations and shall take prompt action to correct and eliminate any such violations
- E. Project Superintendent: The Contractor shall employ a competent superintendent who is a licensed Massachusetts Construction Supervisor and necessary assistants who shall be in attendance at the Project site at all times during the progress of the Work. The superintendent shall represent the Contractor and all communications given to the superintendent shall be as binding as if given to the Contractor. Important communications shall be confirmed in writing. Other communications shall be so confirmed on written request in each case.
- F. Progress Schedule: The Contractor, immediately after being awarded the Contract, shall prepare and submit for the Owner's information an estimated progress schedule for the Work. The progress schedule shall be related to the entire Project to the extent required

by the Contract Documents, and shall provide for expeditious and practicable execution of the Work.

G. Drawings, Specifications and Submittals as applicable:

- (1) The Contractor shall maintain at the site for the Owner one record copy of all Drawings, Specifications, Addenda, Change Orders and other Modifications, and "As-Built" Drawings and Specifications in good order and marked currently to record all changes made during construction, and approved Shop Drawings, Product Data and Samples. These shall be delivered to the Owner upon completion of the Work.
- (2) By approving and submitting Shop Drawings, Product Data and Samples, the Contractor represents that he has determined and verified all materials, field measurements, and field construction criteria related thereto, or will do so, and that he has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.
- (3) The Contractor shall not be relieved of responsibility for any deviation from the requirements of the Contract Documents by the Owner's approval of Shop Drawings, Product Data or Samples unless the Contractor has specifically informed the Owner in writing of such deviation at the time of submission and the Owner has given written approval to the specific deviation. The Contractor shall not be relieved from responsibility for errors or omissions in the Shop Drawings, Product Data or Samples by the Owner's approval thereof.
- (4) The Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data or Samples, to revisions other than those requested by the Owner on previous submittals.
- (5) No portion of the Work requiring submission of a Shop Drawing, Product Data or Sample shall be commenced until the submittal has been approved by the Owner. All such portions of the Work shall be in accordance with approved submittals.

H. Protection of the Work and Owner's Property: The Contractor shall at all times safely guard the Owner's property from injury or loss in connection with this Agreement. He shall at all times safely guard and protect his own work, and that of adjacent property from damage. The Contractor shall replace or make good any such damage, loss or injury. The Contractor shall clean the work area and restore it to its original condition upon completion of the work.

I. Quality of the Work: The Contractor shall perform the work in a good, workmanlike manner. The Contractor hereby guarantees that the entire work constructed by him under the Agreement will meet fully all requirements thereof as to quality of workmanship and materials. The Contractor hereby agrees to make at his own expense any repairs or replacements made necessary by defects in materials or workmanship supplied to him that become evident within one (1) year after the date of the final payment, and to restore to full compliance with the requirements set forth herein any part of the work constructed hereunder, which during said one (1) year period is found to be deficient with respect to any provisions of the Contract Documents. The Contractor also agrees to hold the Owner harmless from claims of any kind arising from damage due to said defects. The

Contractor shall make all repairs and replacements promptly upon receipt of written orders for same from the Owner. If the Contractor fails to make the repairs and replacements promptly, the Owner may do the work and the Contractor shall be liable to the Owner for the cost thereof.

- J. Warranty: The Contractor guarantees to Owner that all materials incorporated into the work will be new unless otherwise specified or agreed. Prior to final payment, the Contractor shall deliver to the Owner all manufacturers' warranties, together with such endorsements or assignments as are necessary to ensure to the Owner the full rights and benefits of such warranties.

5. Affirmative Action/Equal Employment Opportunity

The Contractor is directed to comply with all applicable State Laws, Ordinances, Bylaws, and rules and regulations regarding affirmative action/equal employment opportunity requirements. Failure of the Contractor to comply with any such law, rule or regulation shall constitute grounds for the Owner to terminate the Agreement.

6. Site Information Not Guaranteed: Contractor's Investigation

All information given in the Contract Documents relating to subsurface and other conditions, natural phenomena, existing pipes, and other structures is from the best sources at present available to the Owner. All such information is furnished only for the information and convenience of the Contractor and is not guaranteed.

It is agreed and understood that the Owner does not warrant or guarantee that the subsurface or other conditions, natural phenomena, existing pipes, or other structures encountered during construction will be the same as those indicated in the Contract Documents.

Contractor has familiarized himself with the nature and extent of the Contract Documents, work, locality, and with all local conditions and federal, state, and local laws, rules, ordinances, and regulations that in any manner may affect costs, progress, or performance of the work. Contractor has made, or has caused to be made, examinations, investigations, and tests and studies of such reports and related data in addition to those referred to in the paragraph above as he deems necessary for the performance of the work at the Contract Price, within the Contract Time, and in accordance with the other Terms and Conditions of the Contract Documents; and no additional examinations, tests, investigations, reports, and similar data are or will be required by the Contractor for such purposes.

Contractor has correlated the results of all such observations, examinations, investigations, tests, reports, and data with the Contract Documents. Contractor has given the Owner written notice of all conflicts, errors, or discrepancies that he has discovered

in the Contract Documents, and the resolution thereof by the Owner is acceptable to the Contractor.

It is further agreed and understood that the Contractor shall not use or be entitled to use any of the information made available to him or obtained in any examination made by him in any manner as a basis of or ground for any claim or demand against the Owner, arising from or by reason of any variance which may exist between the information made available and the actual subsurface conditions or other conditions or structures actually encountered during the construction work, except as may otherwise be expressly provided for in the Contract Documents.

7. Wage Rates

Prevailing Wage Rates as determined by the Commissioner of the Department of Labor and Workforce Development under the provisions of Massachusetts General Laws, Chapter 149, Section 26 to 27G, as amended, apply to this project. It is the responsibility of the Contractor to provide the Town with certified payrolls and to comply with all requirements of the above-cited statutes. The schedules of prevailing wage rates are included in the Contract Documents.

8. Payments to the Contractor

Within fifteen (15) days after receipt from the Contractor of a proper and satisfactory periodic estimate requesting payment of the amount due for the preceding month, the Owner shall have fifteen (15) days to make payment for:

- A. The work performed during the preceding month.
- B. The materials not incorporated in the Work but delivered and suitably stored at the site (or at some location agreed upon in writing) to which the Contractor has title, or to which a Subcontractor has title and has authorized the Contractor to transfer title to the Owner.
- C. Less the following retention items:
  - 1. A retention based on an estimate of the fair value of the Owner's claims against the Contractor.
  - 2. A retention for direct payments to Subcontractors, if any, based on demands for same in accordance with the provisions of Section 39F of Chapter 30 of the General Laws.
  - 3. A retention not exceeding five percent (5%) of the approved amount of the periodic payment.
- D. After the receipt of a periodic estimate requesting final payment and within sixty-five (65) days after the Contractor fully completes the Work, or substantially completes the Work so that the value of the Work remaining to be done is, on the estimate of the Owner, less than 1% of the original Contract Price, or substantially completes the Work and the Owner takes possession or occupancy, whichever occurs first, the Owner shall pay the Contractor the entire balance due on the Contract less:

1. A retention based on an estimate of the fair value of the Owner's claims against the Contractor and of the cost of completing the incomplete and unsatisfactory items of work.
  2. A retention for direct payments to Subcontractors, if any, based on demands of same in accordance with the provisions of Section 39F of Chapter 30 of the General Laws, or based on the record of payments by the Contractor to the Subcontractors under this Contract if such record of payment indicates that the Contractor has not paid Subcontractors as provided in Section 39F of Chapter 30 of the General Laws. If the Owner fails to make payment as herein provided, there shall be added to each such payment, daily interest at the rate of 3 percentage points above the rediscount rate than charged by the Federal Reserve Bank of Boston, commencing on the first day after said payment is due, and continuing until the payment is delivered or mailed to the Contractor; provided that no interest shall be due, in any event, on the amount of a periodic estimate for final payment until fifteen (15) days after receipt of such a periodic estimate by the Owner as provided in the first paragraph of this Article. The Contractor agrees to pay to each subcontractor a portion of any such interest paid in accordance with the amount due each subcontractor.  
The Owner may make changes in any periodic estimate submitted by the Contractor and the payment due on said periodic estimate shall be computed in accordance with the changes so made, and such changes and any requirements for a corrected periodic estimate shall not affect the due date for the periodic payment or the date for the commencement of interest charges on the amount of the periodic payment computed in accordance with the changes made, as provided herein; provided further, that the Owner may, within seven (7) days after receipt, return to the Contractor for correction, any periodic estimate which is not in acceptable form or which contains computations not arithmetically correct, and in that event, the date of receipt of such periodic estimate shall be the date of receipt of the corrected periodic estimate in proper form and with arithmetically correct computations. The date of receipt of a periodic estimate received on a Saturday shall be the first working day thereafter.
- A. Changes in the Work: No changes in the work covered by the approved Contract Documents shall be made without prior written approval of the Owner. Charges or credits for the work covered by the approved change shall be determined by one or more, or a combination of the following methods:
- B.
- (a) Unit bid prices previously approved.
  - (b) An agreed lump sum.
  - (c) The actual cost of:
    - (1) Labor.
    - (2) Materials entering permanently into the work.

- (3) The ownership or rental cost of construction equipment during the time of use on the extra work.
- (4) Power and consumable supplies for the operation of power equipment.
- (5) Wages to be paid.

To the cost under (c) there shall be added a fixed fee to be agreed upon but not to exceed fifteen percent (15%) of the actual cost of work. The fee shall be compensation to cover the cost of supervision, overhead, bond, profit and any other general expenses.

To the cost under (c) there shall be added a fixed fee to be agreed upon but not to exceed fifteen percent (15%) of the actual cost of work. The fee shall be compensation to cover the cost of supervision, overhead, bond, profit and any other general expenses.

- C. Claims for Additional Costs: If the Contractor wishes to make a claim for an increase in the Contract Sum, he shall give the Owner written notice thereof within twenty days after the occurrence of the event giving rise to such claim. This notice shall be given by the Contractor before proceeding to execute the Work, except in an emergency endangering life or property. No such claim shall be valid unless so made. Any change in the Contract Sum resulting from such claim shall be authorized by Change Order.

The Contractor hereby agrees that the Contractor shall have no claim for damages of any kind against the Town on account of any delay in the commencement or performance of the work and/or any hindrance, delay or suspension of any portion of the work including, but not limited to, any claims or damages on account of having to perform out of sequence work, claims for damages on account of loss of production or other interference with the work whether such delay is caused by the Town or otherwise, except as and to the extent expressly provided under G.L. c.30, §390 in the case of written orders by the Town. The Contractor acknowledges that the Contractor's sole remedy for any such claim will be an extension of time as provided herein.

8. Final Payment, Effect

The acceptance of final payment by the Contractor shall constitute a waiver of all claims by the Contractor arising under the Agreement.

9. Contract Documents

The Contract Documents consist of the following, together with this Agreement:

- Invitation to Bid Instructions to Bidders This Contract Form Bid Form
- Performance Bond
- Labor & Materials Payment Bond
- Non-Collusion Certificate Tax Compliance Certificate
- Clerk's Certificate of Corporate Vote Certificate of Insurance
- General Conditions

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

Supplementary General Conditions General Requirements Specifications and Addenda Contract Drawings

Schedule of Prevailing Wages

12. Terms Required under Massachusetts General Laws

This Agreement shall be considered to include all terms required to be included in it by the Massachusetts General Laws, and all other laws, as though such terms were set forth in full herein.

13. Indemnification

The Contractor shall indemnify, defend, and hold harmless the Owner from and against any and all claims, damages, losses, and expenses, including attorney's fees, arising out of the performance of this Agreement when such claims, damages, losses, and expenses are caused, in whole or in part, by the acts, errors, or omissions of the Contractor or his employees, agents, subcontractors or representatives.

14. Insurance

The Contractor shall purchase and maintain such insurance as will protect both the Owner and the Contractor from claims which may arise under the Agreement, including operations performed for the named insured by independent contractors and general inspection thereof by the named insured. In addition, the Contractor shall require its subcontractors to maintain such insurance. Coverage shall be provided for:

14.1 claims under workers' or workmen's compensation, disability benefit and other applicable employee benefit acts;

14.2 claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;

14.3 claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

14.4 claims for damages insured by usual personal injury liability coverage which are sustained (1) by any person as a result of an offense directly or indirectly related to the employment of such person by the Contractor, or (2) by any other person;

14.5 claims for damages, including damages to the Work itself, because of injury to or destruction of tangible property, including loss of use resulting therefrom; and

14.6 claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

14.7 claims involving contractual liability applicable to the Contractor's obligations under Article 13.



The limits of liability for coverage required under the preceding paragraph shall be as Specified in the Supplemental Conditions.

Except for Workmen's Compensation, all liability coverage shall name the Town as an additional insured and shall provide for 30 days prior written notice to the Town of any modification or termination of coverage provided thereby. The Contractor shall provide the Owner with appropriate certificate(s) of insurance evidencing compliance with this provision prior to the commencement of any work under this Agreement.

15. Notice

All notices required to be given hereunder shall be in writing and delivered to, or mailed first class to, the parties' respective addresses stated above. In the event that immediate notice is required, it may be given by telephone or facsimile, but shall, to the extent possible, be followed by notice in writing in the manner set forth above.

16. Termination

A. Each party shall have the right to terminate this Agreement in the event of a failure of the other party to comply with the terms of the Agreement. Such termination shall be effective upon seven days' notice to the party in default and the failure within that time of said party to cure its default.

B. The Owner shall have the right to terminate the Agreement without cause, upon ten (10) days' written notice to the Contractor. In the event that the Agreement is terminated pursuant to this subparagraph, the Contractor shall be reimbursed in accordance with the Contract Documents for all Work performed up to the termination date, and for all materials or equipment not incorporated in the Work, but delivered and suitably stored at the site. Payment for material or equipment stored at the site shall be conditioned upon submission by the Contractor of bills of sale or such other evidence as is satisfactory to Owner to establish the Owner's title to such material or equipment or otherwise protect the Owner's interests.

17. Miscellaneous

A. Royalties and Patents: The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Owner harmless from loss on account thereof, except that the Owner shall be responsible for all

such loss when a particular design, process or the product of a particular manufacturer or manufacturers is specified; but if the Contractor believes or has reason to believe that the design, process or product specified is an infringement of a patent, he shall be responsible for such loss unless he promptly gives such information to the Owner, and thereafter the Owner insists on the use of the design, process or products specified.

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

B. Assignment: The Contractor shall not assign or transfer any of its rights, duties or obligations under this Agreement without the written approval of the Owner.

C. Governing Law: This Agreement shall be governed by and construed in accordance with the law of the Commonwealth of Massachusetts.

D. By its signature hereon, the Contractor certifies, under the pains and penalties of perjury, that it has complied with all laws of the Commonwealth of Massachusetts relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

**AGREED: TOWN OF HANSON, MASSACHUSETTS**

\_\_\_\_\_ **DATE:** \_\_\_\_\_

**CONTRACTOR:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**Print Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City and State:** \_\_\_\_\_

**Email Address:** \_\_\_\_\_

Town of Hanson

Invitation for Bids (IFB), Demolition, Asbestos Abatement and Hazardous materials removal of former Maquan Elementary School building. 138 School Street, Hanson, MA

**Approved as to Form:**

**BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
**Town Counsel**

In accordance with G.L. c.44, Section 31C, this is to certify that an appropriation in the amount of this contract is available therefor and that the Town Administrator has been authorized to execute the contract and approve all requisitions and change orders.

**BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
**Town Accountant**

**BY:** \_\_\_\_\_ **DATE:** \_\_\_\_\_  
**Town Administrator**

.”

**APPENDIX C**  
**FORM FOR SUB-BID**

# FORM FOR SUB-BID

**TO ALL GENERAL BIDDERS EXCEPT THOSE EXCLUDED:**

**A.** The undersigned proposes to furnish all labor and materials required for completing, in accordance with the hereinafter described plans, specifications and addenda, all the work specified in Section No. \_\_\_\_\_ of the specifications and in any plans specified in such section

prepared by \_\_\_\_\_ for \_\_\_\_\_  
Name of Architect/Engineer Project  
 for the \_\_\_\_\_ **HOUSING AUTHORITY** in \_\_\_\_\_ Massachusetts,  
City/Town City/Town

for the contract sum of :

\_\_\_\_\_ Dollars \$ \_\_\_\_\_  
Bid Amount in Words Bid Amount in Numbers

For Alternate(s)	No. _____	Add \$ _____	Subtract \$ _____
	No. _____	Add \$ _____	Subtract \$ _____
	No. _____	Add \$ _____	Subtract \$ _____

**Each Alternate shall be listed separately**

**B.** This Sub-bid includes addenda numbered \_\_\_\_\_

**C.** This Sub-bid

**May be used by any General Bidder Except:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**May only be used by the following General Bidders:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

To exclude general bidders, insert "X" in one box only and fill in blank following that box.  
 Do not answer C if no general bidders are excluded

**D.** The undersigned agrees that, if selected as a sub-bidder, they will, within five days, Saturdays, Sundays and legal holidays excluded, after presentation of a subcontract by the general bidder selected as the general contractor, execute with such general bidder a subcontract in accordance with the terms of this sub-bid, and contingent upon the execution of the general contract, and, if requested to do so in the general bid by such general bidder, who shall pay the premiums therefor, furnish a performance and payment bond of a surety company qualified to do business under the laws of the Commonwealth and satisfactory to the awarding authority, in the full sum of the subcontract price.

**E.** The names of all persons, firms and corporations furnishing to the undersigned labor or labor and materials for the class or classes or part thereof of work for which the provisions of the section of the specifications for this sub-trade require a listing in this paragraph, including the undersigned if customarily furnished by persons on his own payroll and in the absence of a contrary provision in the specification the name of each such class of work or part thereto and the bid price for such class of work or part thereof are:

NAME	CLASS OF WORK	BID PRICE

(Do not give bid price for any class or part thereof furnished by the undersigned).

- F. The undersigned agrees that the above list of bids of the undersigned represents bona fide bids based on hereinbefore described plans, specifications and addenda, and that, if the undersigned is awarded the contract, they will be used for the work indicated at the amounts stated, if satisfactory to the awarding authority.
- G. The undersigned further agrees to be bound to the general contractor by the terms of the hereinbefore described plans, specifications (including all general conditions stated therein) and addenda, and to assume toward him all the obligations and responsibilities that the contractor, by those documents, assumes toward the owner.
- H. The undersigned offers the following information as evidence of the contractor's qualifications to perform the work as bid upon according to all the requirements of the plans and specifications:

1. Have been in business under present business name for \_\_\_\_\_ years
2. Ever failed to complete any work awarded? \_\_\_\_\_
3. List one or more recent buildings with names of general contractor and architect on which you served as subcontractor for work of similar character as required for the above-named building

Building Type	Architect	General Contractor	Contract Amount
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____
_____	_____	_____	\$ _____

4. Bank Reference: \_\_\_\_\_

- I. The undersigned hereby certifies that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work; that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and that he will comply fully with all laws and regulations applicable to awards of subcontracts subject to section 44F.

The undersigned further certifies under penalty of perjury that this sub-bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of section twenty-nine F of chapter twenty-nine, or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated there under.

\_\_\_\_\_  
NAME OF SUB-BIDDER

Signature 

BY: \_\_\_\_\_  
Signature & Title of person signing bid

Date: \_\_\_\_\_

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
(City and State)

Note: If the bidder is a corporation, indicate state of incorporation under signature, and affix corporate seal; if a partnership, give full names and residential addresses of partners if different from business addresses.

## **APPENDIX D**

### **Pre-Demolition Asbestos Survey**



March 6, 2023

Lisa M. Green, Esq.  
Town Administrator  
Town of Hanson  
542 Liberty Street  
Hanson, MA 02340

VIA EMAIL: [lgreen@hanson-ma.org](mailto:lgreen@hanson-ma.org)

RE: **Pre-Demolition Asbestos Survey**  
**Maquan School**  
**60 School Street**  
**Hanson, Massachusetts**  
**EFI Project No. 014.05331**

Dear Lisa:

Pursuant to your request, EFI Global, Inc. (EFI) performed a pre-demolition asbestos survey of the Maquan School, located at 60 School Street, Hanson, Massachusetts (Site). The site visit and asbestos survey was performed on February 15-16, 2023, and March 2, 2023, by Massachusetts Department of Labor Standards (MassDLS) licensed Asbestos Inspector John Vaz (license # AI-000270) of EFI. Additionally, EFI was provided with a 2015 AHERA 3-year reinspection report for the Site, prepared by American Environmental Consultants (AEC). Analytical results from the 2015 AEC 3-year reinspection report were incorporated into this report. The site building is divided into three sections – the Main Building (1 floor, containing the Administrative Offices, Gym, Cafeteria, Kitchen, Library, and associated offices), the Old Extension (2 floors, containing Classrooms 101-112 and 201-212), and the New Extension (2 floors, containing Classrooms 114-119, 219-219).

## **SURVEY PROCEDURES**

A survey was performed of the Maquan School in accordance with EPA NESHAP, OSHA and Massachusetts Department of Environmental Protection (MassDEP) survey requirements. EFI's inspectors performed a visual inspection of accessible building areas and collected bulk samples of observed suspect ACMs using limited exploratory destructive investigative methods in representative locations where feasible in attempt to identify and sample concealed or hidden materials such as within pipe chase, above suspended ceilings, multiple layers of flooring materials water proofing materials behind exterior brick walls. Roofing materials were included in the survey and exploratory excavation using hand tools to a depth of approximately 1 foot below grade in representative locations to assess for foundation damp proofing was performed. Additionally, mechanical, plumbing and electrical (MPE) components were not disassembled to access interior components and below grade on foundations or other below grade areas were not included in our scope of work.

Samples of suspect ACMs observed during the survey were collected and submitted under chain of custody protocol to EMSL of Woburn, Massachusetts, a Massachusetts-licensed laboratory. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos fiber analysis which is administered by the National Institute of Standards and Testing (NIST). The samples were

EFI Global, Inc.

155 West Street | Suite 6 | Wilmington, MA 01887 | PHONE 978.688.3736 | FAX 978.688.5494 | FREE 800.659.1202



analyzed using polarized light microscopy (PLM) with dispersion staining via EPA's "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116). Asbestos concentrations for the samples were determined by visual area estimation. The MassDEP asbestos regulations 310 CMR 7.15 define an ACM as any material containing greater than or equal to one percent asbestos.

**SURVEY RESULTS**

The following suspect ACM sampled by EFI were reported by EMSL as containing concentrations of asbestos of greater than or equal to one percent asbestos, the Massachusetts limit for classification as an ACM:

- Blackboards in classrooms
- Cement panelboards behind radiators in Classrooms
- Mastic associated with 12" x 12" pink inlay floor tile
- Mastic associated with 12" x 12" pink with multi-color streak floor tile
- 12" x 12" dark brown floor tile and associated mastic
- Mastic associated with 12" x 12" beige streak floor tile
- Mastic associated with 12" x 12" white with blue streak floor tile
- Grey tile under carpet and associated floor tile mastic
- Black carpet mastic
- Black mastic under floor leveler – Library Lab
- Exterior door frame caulk
- Interior window glaze – old style windows
- Interior window frame caulk – old style windows
- Exterior window glaze – old style windows
- Exterior window frame caulk – old style windows
- Black sealant on parapet wall – Crossover Roof

Additionally, based on a review of the 2016 AHERA 3-year reinspection report, the following materials were also confirmed to be ACM:

- Pipe fittings
- 12" x 12" brown with white streak floor tile and associated mastic

These materials were observed in good to damaged condition at the time of EFI's survey.

The following suspect ACMs sampled by EFI were reported by EMSL as containing no detectable concentration of asbestos:

- Blackboard glue
- Greenboard glue daubs
- Whiteboard adhesive
- Terrazzo flooring
- Pinboard and associated brown adhesive
- 6" white cove base and associated adhesive
- 4" brown cove base and associated adhesive
- 6" brown cove base and associated adhesive
- 6" black cove base (old style) and associated adhesive
- 6" beige cove base and associated adhesive
- 4" beige cove base and associated adhesive
- 4" grey cove base and associated adhesive
- 6" grey cove base and associated adhesive
- Yellow cove base and associated adhesive
- Blue cove base and associated adhesive

- 2' x 2' crow feet ceiling tile
- 2' x 4' 2-panel ceiling tile
- 2' x 4' wide crow feet ceiling tile
- 2' x 2' pindot ceiling tile
- 2' x 2' fibrous ceiling tile
- 2' x 4' fibrous ceiling tile
- 2' x 2' smooth ceiling tile
- 2' x 4' crow feet ceiling tile
- Skim coat plaster
- Coarse coat plaster
- Gypsum board
- Joint compound
- Residual glue on walls
- 12" x 12" white with brown streak floor tile and associated mastic – Cafeteria
- 12" x 12" red inlay floor tile
- 12" x 12" green inlay floor tile
- 12" x 12" blue inlay floor tile
- 12" x 12" yellow inlay floor tile
- Red leveler under tile - Cafeteria
- 12" x 12" pink streak inlay floor tile\*
- 12" x 12" pink with multi-color streak floor tile\*
- 12" x 12" light pink floor tile and associated mastic – New Extension
- 12" x 12" light grey streaked floor tile and associated mastic – New Extension
- 12" x 12" white with grey streak floor tile and associated mastic – New Extension
- 12" x 12" brown floor tile and associated mastic – New Extension
- 12" x 12" beige streak floor tile\*
- 12" x 12" white with blue streak floor tile\*
- Yellow carpet mastic
- Red leveler – Administrative Offices\*
- Orange epoxy flooring
- Rubber flooring and associated mastic – Gym
- Grey leveler under carpet – Library Lab\*
- Grey cementitious outer layer – Kitchen Freezer
- Cork inner layer – Kitchen Freezer
- Tectam wall panels
- Boiler gasket
- Black cementitious window sills
- Roof drain collar insulation
- Wood door filler material
- Old style paper/foil wrap on piping
- Red ceramic floor tile grout
- Ceramic wall tile grout and adhesive
- Ceramic floor tile grout and adhesive
- Interior door frame caulk
- Grey exterior door caulk – front entrance
- Brown interior window caulk – New Extension
- Exterior window caulk – New Extension
- Exterior red seam caulk – New Extension
- Exterior vent caulk
- Black pipe sealant on roof
- Black nailer sealant
- Adhesive on parapet chimney
- Mop coat on deck – boiler room roof
- Mop coat on deck – cafeteria roof
- Mop coat on deck – crossover roof
- Mop coat on deck – administrative wing roof
- Mop coat on deck – old extension roof
- Fiberboard under rubber over XPS – entrance overhang roof
- Tar on concrete deck – entrance overhang roof
- Rubber tread flooring and associated adhesive

\*- to be managed as asbestos containing waste material (ACWM) due to ACM floor tile/ mastic contamination.

A table summarizing identified ACM is included as Table 1. A copy of the laboratory report prepared by EMSL is included as Attachment A. Photographs of suspect materials sampled are included as Attachment B. Site figures are included in Attachment C.

## RECOMMENDATIONS

Based on the survey findings and analytical results, ACMs were identified throughout the Site building. If suspect ACMs other than the above-referenced materials are identified during demolition activities, EFI recommends that they be assumed ACM unless sampled by a MassDLS licensed Asbestos Inspector and analyzed by a Massachusetts-licensed asbestos analytical laboratory prior to disturbance.

All identified ACM that will be disturbed by the planned demolition should be properly removed and disposed by a Massachusetts licensed Asbestos Contractor, in accordance with MassDEP and MassDLS asbestos regulations. Third party visual inspections must be performed at the completion of abatement activities for re-occupancy of the Project Area by construction trades, and facility staff. EFI is available to assist with the abatement management, contractor oversight, and visual inspections as required by applicable state and federal asbestos regulations.

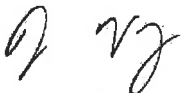
## LIMITATIONS

This report has been prepared to assist the client in evaluating ACM at the above referenced Site. EFI provided these services consistent with the level and skill ordinarily exercised by members of the profession currently practicing under similar conditions. This statement is in lieu of other statements either expressed or implied. This report is intended for the sole use of the client. This report is not intended to serve as a bidding document nor as a project specification document and actual site conditions and quantities should be field verified. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document, the findings, conclusions, or recommendations is at the risk of said user.

Additionally, the passage of time may result in a change in the environmental characteristics at this site. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during the inspection of the site.

EFI is pleased to provide environmental consulting services to the Town of Hanson. If you have any questions regarding the contents of this report, or are in need of additional information, please do not hesitate to contact either of the undersigned at 800-659-1202. Thank you for the opportunity to serve your environmental needs.

Sincerely,  
EFI Global, Inc.



John Vaz  
Senior Project Manager



Michael McCarter  
Senior Project Manager

**Attachments:**

**Table 1 – Summary of Asbestos Containing Materials**

**Attachment A – Laboratory Analytical Report**

**Attachment B – Photographs**

**Attachment C – Site Figures**

**TABLE 1**

**SUMMARY OF ASBESTOS CONTAINING MATERIALS**

**TABLE 1**  
**Inventory of Observed and Assumed Asbestos-Containing Materials**  
**Maquan School**  
**60 School Street, Hanson, Massachusetts**  
**February 15-16, 2023, and March 2, 2023**

Material Description	Material Location(s)	Condition G/D/SD	Estimated Quantity
12" x 12" brown with white streak floor tile and associated mastic	Old Extension – Classrooms 101 - 112; Classrooms 201 – 212;  Main Building - Custodian's Office, Nurse's Office, Small offices in Administrative Wing, storage rooms along Main Hallway, Hall Office by Library, Side Rooms off Stage, Gym Storage Room, Offices opposite Nurse's Office, Janitor's closets, Conference Room and associated bathroom	Good	26,000 SF
Blackboards in classrooms (Old style)	Old Extension – Classrooms 101 - 112; Classrooms 201 – 212	Good	3,200 SF
Cement panelboards behind radiators	Old Extension – Classrooms 101 - 112; Classrooms 201 – 212	Good	2,900 SF
Mastic associated with 12" x 12" beige streak floor tile & 12" x 12" pink inlay floor tile	Old Extension – 1 <sup>st</sup> & 2 <sup>nd</sup> Floor Hallways Main Building – Main Hallway, Administrative Wing Hallway, Cafeteria Hallway, Boiler Room Hallway	Good	8,000 SF
Mastic associated with 12" x 12" pink with multi-color streak floor tile	Administrative wing – back office	Good	100 SF
12" x 12" dark brown floor tile and associated mastic	Kitchen – Dry storage	Good	225 SF
Mastic associated with 12" x 12" white with blue streak floor tile	Administrative Wing – Front Lobby and associated hallway	Good	625 SF
Grey tile under carpet and associated floor tile mastic	Administrative Wing – Front Lobby and associated Offices, Administrative Wing Back Offices, Psych Office	Good	1,900 SF
Black carpet mastic	Library	Good	2,200 SF
Black mastic under leveler under carpet	Library Lab	Good	720 SF
Exterior door frame caulk	Exterior doors – Main Building & Old Extension	Good to Damaged	12 Doors

Material Description	Material Location(s)	Condition G/D/SD	Estimated Quantity
Interior window glaze, Interior window frame caulk, Exterior window glaze & Exterior window frame caulk	Old style windows – Main Building and Old Extension	Good to Damaged	46 Windows
Black sealant on parapet wall	Crossover Roof Parapets	Good	400 SF
Pipe fitting insulation	Main Building – Library Lab (5), Library (15), Main Hallway (~80), Boiler Room Hallway (~40), Nurse’s Office (5), Psych Office and Offices opposite Nurse’s Office (15), Hallway Janitor Closet (3), Side Rooms off Stage (~20), Janitor Office (3), Kitchen (~45), Gym Storage (~30), Administrative Hallway and Lobby (~65), Administrative Small Offices (2), Administrative Wing Back Offices (~50), Kitchen Crawlspace (~50)  Old Extension – 1 <sup>st</sup> Floor Hall (~75) 1 <sup>st</sup> Floor IT Room (2), 2 <sup>nd</sup> Floor IT Room (8), assumed behind concrete block behind sinks in each classroom (~40)	Good, except in Kitchen crawl space (damaged with debris)	~550 Fittings
Pipe and pipe fitting insulation (observed behind block wall in 1 <sup>st</sup> Floor Women’s Room in Old Extension)	Assumed behind concrete block walls in all restrooms & Janitor Closets in Main Building and Old Extension (approx. 50 LF/room)	Good where observed	800 LF

SF – square feet

LF – linear feet

*This summary table is not intended for use as a bidding document and is only presented as an appendix to EFI’s Asbestos Survey Report.*

**ATTACHMENT A**  
**LABORATORY ANALYTICAL REPORT**





# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801  
Tel/Fax: (781) 933-8411 / (781) 933-8412  
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132301239  
Customer ID: EAFI66  
Customer PO:  
Project ID:

**Attention:** John Vaz  
EFI Global, Inc.  
155 West Street  
Suite 6  
Wilmington, MA 01887  
**Project:** 014.05331 - Maquan School

**Phone:** (978) 688-3736  
**Fax:** (978) 688-5494  
**Received Date:** 02/20/2023 8:30 AM  
**Analysis Date:** 02/22/2023 - 02/23/2023  
**Collected Date:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
001A <small>132301239-0001</small>	Room 106 - Blackboard	White/Green Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
001B <small>132301239-0002</small>	Room 211 - Blackboard				Positive Stop (Not Analyzed)
002A <small>132301239-0003</small>	Room 106 - Blackboard Glue	Brown Non-Fibrous Homogeneous	<1% Fibrous (Other)	100% Non-fibrous (Other)	None Detected
002B <small>132301239-0004</small>	Room 211 - Blackboard Glue	Brown Non-Fibrous Homogeneous	<1% Fibrous (Other)	100% Non-fibrous (Other)	None Detected
003A <small>132301239-0005</small>	Room 118 - Greenboard Glue Daubs	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
003B <small>132301239-0006</small>	Room 216 - Greenboard Glue Daubs	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
004A <small>132301239-0007</small>	Room 106 - Whiteboard Adhesive	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
004B <small>132301239-0008</small>	Room 211 - Whiteboard Adhesive	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
005A <small>132301239-0009</small>	Room 207 - Cement Panelboard behind Radiator	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
005B <small>132301239-0010</small>	Room 208 - Cement Panelboard behind Radiator				Positive Stop (Not Analyzed)
006A <small>132301239-0011</small>	2nd Floor Stair Landing - Old Side - Terrazzo Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
006B <small>132301239-0012</small>	Main Stairwell - Terrazzo Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
007A <small>132301239-0013</small>	Room 109 - Pinboard	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
007B <small>132301239-0014</small>	Room 211 - Pinboard	Tan Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
008A <small>132301239-0015</small>	Room 109 - Assoc. Brown Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
008B <small>132301239-0016</small>	Room 211 - Assoc. Brown Adhesive	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132301239  
 Customer ID: EAFI66  
 Customer PO:  
 Project ID:

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E  
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
009A <small>132301239-0017</small>	2nd Floor Hall - New Extension - 6" White Cove Base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
009B <small>132301239-0018</small>	Room 218 - 6" White Cove Base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
010A <small>132301239-0019</small>	2nd Floor Hall - New Extension - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
010B <small>132301239-0020</small>	Room 218 - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011A <small>132301239-0021</small>	2nd Floor Men's Room - New Extension - 4" Brown Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011B <small>132301239-0022</small>	2nd Floor Women's Room - New Extension - 4" Brown Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
012A <small>132301239-0023</small>	2nd Floor Men's Room - New Extension - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
012B <small>132301239-0024</small>	2nd Floor Women's Room - New Extension - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
013A <small>132301239-0025</small>	1st Floor Hallway - 6" Brown Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
013B <small>132301239-0026</small>	2nd Floor Hallway - 6" Brown Cove Base	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
014A <small>132301239-0027</small>	1st Floor Hallway - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
014B <small>132301239-0028</small>	2nd Floor Hallway - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
015A <small>132301239-0029</small>	1st Floor Stairwell by Bathroom - 5" Black Cove Base, Old Style	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
015B <small>132301239-0030</small>	Library Lab - 5" Black Cove Base, Old Style	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
016A <small>132301239-0031</small>	1st Floor Stairwell by Bathroom - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
016B <small>132301239-0032</small>	Library Lab - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
017A <small>132301239-0033</small>	Room 110 - 6" Beige Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
017B <small>132301239-0034</small>	Room 211 - 6" Beige Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

**EMSL Order:** 132301239  
**Customer ID:** EAFI66  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
018A <small>132301239-0035</small>	Room 110 - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
018B <small>132301239-0036</small>	Room 211 - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
019A <small>132301239-0037</small>	Gym - 4" Beige Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
019B <small>132301239-0038</small>	Gym - 4" Beige Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
020A <small>132301239-0039</small>	Gym - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
020B <small>132301239-0040</small>	Gym - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
021A <small>132301239-0041</small>	Room 103 - 4" Gray Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
021B <small>132301239-0042</small>	Room 203 - 4" Gray Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
022A <small>132301239-0043</small>	Room 103 - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
022B <small>132301239-0044</small>	Room 203 - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
023A <small>132301239-0045</small>	Auditorium/Cafeteria - 6" Gray Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
023B <small>132301239-0046</small>	Auditorium/Cafeteria - 6" Gray Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
024A <small>132301239-0047</small>	Auditorium/Cafeteria - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
024B <small>132301239-0048</small>	Auditorium/Cafeteria - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
025A <small>132301239-0049</small>	Stage - Yellow Cove Base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
025B <small>132301239-0050</small>	Stage - Yellow Cove Base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
026A <small>132301239-0051</small>	Stage - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
026B <small>132301239-0052</small>	Stage - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
027A <small>132301239-0053</small>	Administrative Offices - Blue Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



**EMSL Analytical, Inc.**  
 5 Constitution Way, Unit A Woburn, MA 01801  
 Tel/Fax: (781) 933-8411 / (781) 933-8412  
 http://www.EMSL.com / bostonlab@emsl.com

**EMSL Order:** 132301239  
**Customer ID:** EAF166  
**Customer PO:**  
**Project ID:**

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E  
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
027B 132301239-0054	Administrative Offices - Blue Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
028A 132301239-0055	Administrative Offices - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
028B 132301239-0056	Administrative Offices - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
029A 132301239-0057	Library Hall - 2x2' Crow Feet Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
029B 132301239-0058	Nurse's Office - 2x2' Crow Feet Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
030A 132301239-0059	Library Lab - 2x4' 2-Panel Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
030B 132301239-0060	Library Lab - 2x4' 2-Panel Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
031A 132301239-0061	2nd Floor Men's - New Extension - 2x4' Wide Crow Feet Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
031B 132301239-0062	2nd Floor Women's - New Extension - 2x4' Wide Crow Feet Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
032A 132301239-0063	Room 108 - 2x2' Pindot Ceiling Tile	White/Pink Fibrous Homogeneous	45% Cellulose 40% Min. Wool	15% Non-fibrous (Other)	None Detected
032B 132301239-0064	Office across from Nurse's Office - 2x2' Pindot Ceiling Tile	White/Pink Fibrous Homogeneous	45% Cellulose 40% Min. Wool	15% Non-fibrous (Other)	None Detected
033A 132301239-0065	1st Floor Hall - Old Extension - 2x2' Fibrous Ceiling Tile	Tan/White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
033B 132301239-0066	1st Floor Hall - Old Extension - 2x2' Fibrous Ceiling Tile	Tan/White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
034A 132301239-0067	1st Floor Hall - New Extension - 2x4' Fibrous Ceiling Tile	Tan/White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
034B 132301239-0068	2nd Floor Hall - New Extension - 2x4' Fibrous Ceiling Tile	Tan/White Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
035A 132301239-0069	Kitchen - 2x2' Smooth Ceiling Tile	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
035B 132301239-0070	Kitchen - 2x2' Smooth Ceiling Tile	Brown/White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
036A 132301239-0071	Room 118 - 2x4' Crow Feet Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801  
Tel/Fax: (781) 933-8411 / (781) 933-8412  
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132301239  
Customer ID: EAFI66  
Customer PO:  
Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
036B 132301239-0072	Room 214 - 2x4' Crow Feet Ceiling Tile	Gray/White Fibrous Homogeneous	50% Cellulose 35% Min. Wool	15% Non-fibrous (Other)	None Detected
037A 132301239-0073	Admin Wing Girl's Bathroom - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
037B 132301239-0074	Admin Wing Boy's Bathroom - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
037C 132301239-0075	Main Hall - Men's Bathroom - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
037D 132301239-0076	Janitor Closet by Library - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
037E 132301239-0077	Women's Bathroom by Library - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
037F 132301239-0078	1st Floor Stair Landing - Old Extension - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
037G 132301239-0079	2nd Floor Girl's Room - Old Extension - Skim Coat Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
038A 132301239-0080	Admin Wing Girl's Bathroom - Coarse Coat Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
038B 132301239-0081	Admin Hall Boy's Bathroom - Coarse Coat Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
038C 132301239-0082	Main Hall - Men's Bathroom - Coarse Coat Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
038D 132301239-0083	Janitor Closet by Library - Coarse Coat Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
038E 132301239-0084	Women's Bathroom by Library - Coarse Coat Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
038F 132301239-0085	1st Floor Stair Landing - Old Extension - Coarse Coat Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
038G 132301239-0086	2nd Floor Girl's Room - Old Extension - Coarse Coat Plaster	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
039A 132301239-0087	Admin Wing - Back Offices - Gypsum Wallboard	Brown/Gray Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
039B 132301239-0088	Room 103 - Gypsum Wallboard	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
039C 132301239-0089	Room 205 - Gypsum Wallboard	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



**EMSL Analytical, Inc.**  
 5 Constitution Way, Unit A Woburn, MA 01801  
 Tel/Fax: (781) 933-8411 / (781) 933-8412  
 http://www.EMSL.com / bostonlab@emsl.com

**EMSL Order:** 132301239  
**Customer ID:** EAFI66  
**Customer PO:**  
**Project ID:**

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E  
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
040A 132301239-0090	Admin Wing - Back Offices - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
040B 132301239-0091	Room 103 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
040C 132301239-0092	Room 205 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
041A 132301239-0093	Room 205 - Residual Glue on Walls	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
041B 132301239-0094	Room 205 - Residual Glue on Walls	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042A 132301239-0095	Auditorium/Cafeteria - 12x12 White w. Brown Streak Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042B 132301239-0096	Auditorium/Cafeteria - 12x12 White w. Brown Streak Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
043A 132301239-0097	Auditorium/Cafeteria - Assoc. Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
043B 132301239-0098	Auditorium/Cafeteria - Assoc. Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
044A 132301239-0099	Auditorium/Cafeteria - Red Inlay Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
044B 132301239-0100	Auditorium/Cafeteria - Red Inlay Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
045A 132301239-0101	Auditorium/Cafeteria - Blue Inlay Tile	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
045B 132301239-0102	2nd Floor Hall - Old Extension - Blue Inlay Tile	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
046A 132301239-0103	Auditorium/Cafeteria - Yellow Inlay Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
046B 132301239-0104	2nd Floor Hall - Old Extension - Yellow Inlay Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
047A 132301239-0105	Auditorium/Cafeteria - Green Inlay Tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
047B 132301239-0106	2nd Floor Hall - Old Extension - Green Inlay Tile	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
048A 132301239-0107	Auditorium/Cafeteria - Red Leveler under Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

**EMSL Order:** 132301239  
**Customer ID:** EAFI66  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
048B 132301239-0108	2nd Floor Hall - Old Extension - Red Leveler under Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
049A 132301239-0109	2nd Floor Hall - Old Extension - 12x12 Pink Streaked Inlay Tile	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
049B 132301239-0110	1st Floor Hall - Old Extension - 12x12 Pink Streaked Inlay Tile	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
050A 132301239-0111	2nd Floor Hall - Old Extension - Assoc. Mastic	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
050B 132301239-0112	1st Floor Hall - Old Extension - Assoc. Mastic				Positive Stop (Not Analyzed)
051A 132301239-0113	Admin Wing - Back Offices - 12x12 Pink w. Multi Color Streak Floor Tile	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
051B 132301239-0114	Admin Wing - Back Offices - 12x12 Pink w. Multi Color Streak Floor Tile	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
052A 132301239-0115	Admin Wing - Back Offices - Assoc. Mastic	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
052B 132301239-0116	Admin Wing - Back Offices - Assoc. Mastic				Positive Stop (Not Analyzed)
053A 132301239-0117	Room 116 - 12x12 Light Pink Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
053B 132301239-0118	Room 118 - 12x12 Light Pink Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
054A 132301239-0119	Room 116 - Assoc. Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
054B 132301239-0120	Room 118 - Assoc. Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
055A 132301239-0121	Room 118 - 12x12 Light Gray Streaked Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
055B 132301239-0122	2nd Floor Hall - New Extension - 12x12 Light Gray Streaked Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
056A 132301239-0123	Room 118 - Assoc. Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
056B 132301239-0124	2nd Floor Hall - New Extension - Assoc. Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

**EMSL Order:** 132301239  
**Customer ID:** EAFI66  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
057A 132301239-0125	2nd Floor Hall - New Extension - 12x12 White w. Gray Streak Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
057B 132301239-0126	1st Floor Hall - New Extension - 12x12 White w. Gray Streak Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
058A 132301239-0127	2nd Floor Hall - New Extension - Assoc. Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
058B 132301239-0128	1st Floor Hall - New Extension - Assoc. Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
059A 132301239-0129	2nd Floor Men's Room - New Extension - 12x12 Brown Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
059B 132301239-0130	2nd Floor Women's Room - New Extension - 12x12 Brown Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
060A 132301239-0131	2nd Floor Men's Room - New Extension - Assoc. Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
060B 132301239-0132	2nd Floor Women's Room - New Extension - Assoc. Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
061A 132301239-0133	Kitchen - Dry Storage - 12x12 Dark Brown Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
061B 132301239-0134	Kitchen - Dry Storage - 12x12 Dark Brown Floor Tile				Positive Stop (Not Analyzed)
062A 132301239-0135	Kitchen - Dry Storage - Assoc. Mastic	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
062B 132301239-0136	Kitchen - Dry Storage - Assoc. Mastic				Positive Stop (Not Analyzed)
063A 132301239-0137	2nd Floor Hall - Old Extension - 12x12 Beige Streak Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
063B 132301239-0138	Main Hallway - 12x12 Beige Streak Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
064A 132301239-0139	2nd Floor Hall - Old Extension - Assoc. Mastic	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
064B 132301239-0140	Main Hallway - Assoc. Mastic				Positive Stop (Not Analyzed)
065A 132301239-0141	Administration Offices - 12x12 White w. Blue Streak Floor Tile	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00





# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132301239

Customer ID: EAFI66

Customer PO:

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
065B 132301239-0142	Administration Offices - 12x12 White w. Blue Streak Floor Tile	White/Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
066A 132301239-0143	Administration Offices - Assoc. Mastic	Black/Yellow Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
066B 132301239-0144	Administration Offices - Assoc. Mastic				Positive Stop (Not Analyzed)
067A 132301239-0145	Administration Offices - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
067B 132301239-0146	Administration Offices - Yellow Carpet Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
068A 132301239-0147	Administration Offices - Gray Carpet under Tile	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
068B 132301239-0148	Administration Offices - Gray Carpet under Tile				Positive Stop (Not Analyzed)
069A 132301239-0149	Administration Offices - Assoc. Mastic	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
069B 132301239-0150	Administration Offices - Assoc. Mastic				Positive Stop (Not Analyzed)
070A 132301239-0151	Administration Offices - Red Leveler	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
070B 132301239-0152	Administration Offices - Red Leveler	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
071A 132301239-0153	Room 116 - Orange Epoxy Flooring	Tan/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
071B 132301239-0154	Room 118 - Orange Epoxy Flooring	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
072A 132301239-0155	Library - Black Carpet Mastic	Black/Yellow Non-Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
072B 132301239-0156	Library - Black Carpet Mastic				Positive Stop (Not Analyzed)
073A 132301239-0157	Gym - Rubber Flooring	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
073B 132301239-0158	Gym - Rubber Flooring	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
074A 132301239-0159	Gym - Assoc. Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
074B 132301239-0160	Gym - Assoc. Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801  
Tel/Fax: (781) 933-8411 / (781) 933-8412  
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132301239  
Customer ID: EAFI66  
Customer PO:  
Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
075A 132301239-0161	Library Lab - Gray Leveler under Carpet	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
075B 132301239-0162	Library Lab - Gray Leveler under Carpet	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
076A 132301239-0163	Library Lab - Black Mastic under Leveler	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
076B 132301239-0164	Library Lab - Black Mastic under Leveler				Positive Stop (Not Analyzed)
077A 132301239-0165	Freezer - Kitchen - Gray Outer Cementitious Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
077B 132301239-0166	Freezer - Kitchen - Gray Outer Cementitious Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
078A 132301239-0167	Freezer - Kitchen - Cork Inner Layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
078B 132301239-0168	Freezer - Kitchen - Cork Inner Layer	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
079A 132301239-0169	Gym - Tectam Wall Panels	Tan/White Non-Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
079B 132301239-0170	Gym - Tectam Wall Panels	Tan/White Non-Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
080A 132301239-0171	Boiler Room - Boilers - Boiler Gasket	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
080B 132301239-0172	Boiler Room - Boilers - Boiler Gasket	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
081A 132301239-0173	Window Sill - Cafeteria - Black Cementitious Window Sill	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
081B 132301239-0174	Window Sill - 2nd Floor Landing - Black Cementitious Window Sill	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
082A 132301239-0175	2nd Floor Hall - Old Extension - Roof Drain Collar Insulation	Gray Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	None Detected
082B 132301239-0176	2nd Floor Hall - Old Extension - Roof Drain Collar Insulation	Gray Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	None Detected
082C 132301239-0177	Nurse's Office - Roof Drain Collar Insulation	Gray Non-Fibrous Homogeneous	40% Min. Wool	60% Non-fibrous (Other)	None Detected
083A 132301239-0178	Room 116 - Door Filler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

**EMSL Order:** 132301239  
**Customer ID:** EAFI66  
**Customer PO:**  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
083B 132301239-0179	Room off 2nd Floor Bathroom - New Extension - Door Filler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
084A 132301239-0180	1st Floor Hall - Old Extension - Old Style Paper/Foil Wrap on Pipe	Brown/Black/Silver Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
084B 132301239-0181	Main Hall - Old Style Paper/Foil Wrap on Pipe	Tan/Black/Silver Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (Other)	None Detected
084C 132301239-0182	Main Hall - Old Style Paper/Foil Wrap on Pipe	Tan/Black/Silver Fibrous Homogeneous	35% Cellulose 10% Glass	55% Non-fibrous (Other)	None Detected
085A 132301239-0183	Kitchen - Red Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
085B 132301239-0184	Kitchen - Red Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
086A 132301239-0185	1st Floor Men's Room - Old Extension - Ceramic Wall Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
086B 132301239-0186	Women's Room by Library - Ceramic Wall Tile Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
087A 132301239-0187	1st Floor Men's Room - Old Extension - Ceramic Wall Tile Adhesive	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
087B 132301239-0188	Women's Room by Library - Ceramic Wall Tile Adhesive	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
088A 132301239-0189	1st Floor Men's Room - Old Extension - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
088B 132301239-0190	Men's Room by Library - Ceramic Floor Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
089A 132301239-0191	1st Floor Men's Room - Old Extension - Ceramic Floor Tile Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
089B 132301239-0192	Men's Room by Library - Ceramic Floor Tile Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
090A 132301239-0193	Boiler Room - Interior Door Caulk	Tan Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
090B 132301239-0194	Boiler Room - Interior Door Caulk	Tan Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
091A 132301239-0195	Front Entrance Door - Gray Exterior Door Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



**EMSL Analytical, Inc.**  
 5 Constitution Way, Unit A Woburn, MA 01801  
 Tel/Fax: (781) 933-8411 / (781) 933-8412  
 http://www.EMSL.com / bostonlab@emsl.com

**EMSL Order:** 132301239  
**Customer ID:** EAF166  
**Customer PO:**  
**Project ID:**

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E  
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
091B 132301239-0196	Front Entrance Door - Gray Exterior Door Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
092A 132301239-0197	Door 14 - Exterior Door Caulk	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
092B 132301239-0198	Door 5 - Exterior Door Caulk				Positive Stop (Not Analyzed)
093A 132301239-0199	Room 216 - Brown Interior Window Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
093B 132301239-0200	2nd Floor Landing - New Extension - Brown Interior Window Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
094A 132301239-0201	Room 211 - Interior Window Glaze - Old Style	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
094B 132301239-0202	Main Hallway by Library - Interior Window Glaze - Old Style				Positive Stop (Not Analyzed)
095A 132301239-0203	Main Hallway by Library - Interior Window Caulk - Old Style	Tan Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
095B 132301239-0204	Auditorium - Interior Window Caulk - Old Style				Positive Stop (Not Analyzed)
096A 132301239-0205	Main Hallway by Library - Exterior Window Glaze - Old Style	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
096B 132301239-0206	Room 108 - Exterior Window Glaze - Old Style				Positive Stop (Not Analyzed)
097A 132301239-0207	Exterior Windows - Main Building - Exterior Window Caulk - Main Building	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
097B 132301239-0208	Exterior Windows - Main Building - Exterior Window Caulk - Main Building				Positive Stop (Not Analyzed)
098A 132301239-0209	Exterior Windows - Old Extension - Exterior Window Caulk - Old Extension	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
098B 132301239-0210	Exterior Windows - Old Extension - Exterior Window Caulk - Old Extension	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
099A 132301239-0211	Exterior Windows - New Extension - Exterior Window Caulk - New Extension	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801  
Tel/Fax: (781) 933-8411 / (781) 933-8412  
http://www.EMSL.com / bostonlab@emsl.com

EMSL Order: 132301239  
Customer ID: EAFI66  
Customer PO:  
Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
099B 132301239-0212	Exterior Windows - New Extension - Exterior Window Caulk - New Extention	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
100A 132301239-0213	Exterior - New Extension - Exterior Red Seam Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
100B 132301239-0214	Exterior - New Extension - Exterior Red Seam Caulk	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
101A 132301239-0215	Exterior - New Extension - Exterior Vent Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
101B 132301239-0216	Exterior - New Extension - Exterior Vent Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
102A 132301239-0217	Old Extension Roof - Black Pipe Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
102B 132301239-0218	Crossover Roof - Black Pipe Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
103A 132301239-0219	Crossover Roof - Black Nailer Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
103B 132301239-0220	Crossover Roof - Black Nailer Sealant	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
104A 132301239-0221	Boiler Room Roof - Adhesive on Parapet Chimney	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
104B 132301239-0222	Boiler Room Roof - Adhesive on Parapet Chimney	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
105A 132301239-0223	Crossover Roof - Black Adhesive on Parapet Wall	Black Fibrous Homogeneous		65% Non-fibrous (Other)	35% Chrysotile
105B 132301239-0224	Crossover Roof - Black Adhesive on Parapet Wall				Positive Stop (Not Analyzed)
106A 132301239-0225	Boiler Room Roof - Mop Coat on Deck	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
106B 132301239-0226	Boiler Room Roof - Mop Coat on Deck	Brown/Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
107A 132301239-0227	Cafeteria Roof - Mop Coat on Deck	Black Non-Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
107B 132301239-0228	Cafeteria Roof - Mop Coat on Deck	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
108A 132301239-0229	Crossover Roof - Mop Coat on Deck	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
108B 132301239-0230	Crossover Roof - Mop Coat on Deck	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected

Initial report from: 02/23/2023 17:59:00



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

<b>EMSL Order:</b> 132301239
<b>Customer ID:</b> EAFI66
<b>Customer PO:</b>
<b>Project ID:</b>

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
109A 132301239-0231	Administration Wing Roof - Mop Coat on Deck	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
109B 132301239-0232	Administration Wing Roof - Mop Coat on Deck	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
110A 132301239-0233	Old Extension Roof - Mop Coat on Deck	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
110B 132301239-0234	Old Extension Roof - Mop Coat on Deck	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
111A 132301239-0235	Entrance Overhang Roof - Fiberboard under Rubber over XPS	White Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
111B 132301239-0236	Entrance Overhang Roof - Fiberboard under Rubber over XPS	White Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
112A 132301239-0237	Entrance Overhang Roof - Tar on Concrete Deck	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
112B 132301239-0238	Entrance Overhang Roof - Tar on Concrete Deck	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

John McCarthy (220)

Steve Grise, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-139, VT AL998919, ME LB-0039

Initial report from: 02/23/2023 17:59:00



BOSTON NORTH

**BULK SAMPLE CHAIN OF CUSTODY FORM**

Report to (Your Name): <u>John Vez</u>	Bill To: Accounts Payable
Company: <u>EFI Global, Inc.</u>	Address: Same
Address: <u>155 West Street</u>	City, State, Zip: Same
<u>Suite 6</u>	Telephone: <u>800-659-1202</u>
City, State, Zip: <u>Wilmington, MA 01887</u>	Fax: <u>978-688-5494</u>

**Project Information**

Project No. and Description: <u>014.05331 - Meguin School, Henson, MA</u>
Email Report to: <u>Lynda.McDermott@efiglobal.com; Sean.Swidy@efiglobal.com; Jessica.Rauseo@efiglobal.com</u>
Alternate (Your Email): <u>John.Vez</u>

**Requested Turnaround Time**

<input type="checkbox"/> 3 hour	<input type="checkbox"/> 6 hour	<input type="checkbox"/> 1 day (24hr)	<input type="checkbox"/> 2 day (48hr)	<input checked="" type="checkbox"/> 3 day (72 hr)	<input type="checkbox"/> 4 day (96 hr)	<input type="checkbox"/> 1 week	<input type="checkbox"/> 2 weeks
---------------------------------	---------------------------------	---------------------------------------	---------------------------------------	---	--	---------------------------------	----------------------------------

**Media and Methodology**

Type of Analysis: <u>PLM Asbestos</u>	Check for Positive Stop: <input checked="" type="checkbox"/>
Notes: <u>Please analyze all plaster and joint compound samples.</u>	

Sample ID	Type of Material	Location
001 A	Blackboard	Room 106
001 B	"	Room 211
002 A	Blackboard Glue	Room 106
002 B	"	Room 211
003 A	Greenboard Glue Dabs	Room 118
003 B	" " "	Room 216
004 A	Whiteboard Adhesive	Room 106
004 B	" "	Room 211
005 A	Cement Panelboard behind Radiator	Room 207
005 B	" " " "	Room 208
006 A	Terrazzo Flooring	2 <sup>ND</sup> Floor Stair Landing - Old Side

Total Number of Samples Submitted: 2348 Date Collected: 2/15 - 2/16/23

Samplers Name: John Vez Samplers Signature: [Signature]

Relinquished By (EFI): [Signature] FEDEX Date: 2/17/23 Time: 1:00

Received By (Lab): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

REC'D EMSL-BOSTON FEB 20 2023  
 SM 830  
 FX 8178-2716-7248



Sample ID	Type of Material	Location
006B	Terra220 Flooring	Main Stairwell
007A	Pinboard	Room 109
007B	"	Room 211
008A	Associated Brown Adhesive	Room 109
008B	" " "	Room 211
009A	6" White Core Base	2 <sup>ND</sup> Floor Hall - New Extension
009B	" " " "	Room 218
010A	Associated Adhesive	2 <sup>ND</sup> Floor Hall - New Extension
010B	" "	Room 218
011A	4" Brown Core Base	2 <sup>ND</sup> Floor Mens Room - New Extension
011B	<del>Associated Adhesive</del> 4" Brown Core Base	2 <sup>ND</sup> Floor Womens Rm - New Extension
012A	Associated Adhesive	2 <sup>ND</sup> Floor Mens Room - New Extension
012B	" "	" " Womens Room - " "
013A	6" Brown Core Base	1 <sup>ST</sup> Floor Hallway
013B	" " " "	2 <sup>ND</sup> " "
014A	Associated Adhesive	1 <sup>ST</sup> " "
014B	" "	2 <sup>ND</sup> " "
015A	4" Black Core base, Old Style	1 <sup>ST</sup> Floor Stairwell by Bathroom
015B	" " " "	Library Lab
016A	Associated Adhesive	1 <sup>ST</sup> Floor Stairwell by Bathroom
016B	" "	Library Lab
017A	6" Beige Core Base	Room 110
017B	" " " "	Room 211
018A	Associated Adhesive	Room 110
018B	" "	Room 211
019A	4" Beige Core Base	Gym
019B	" " " "	"
020A	Associated Adhesive	"
020B	" "	"
021A	4" Grey Core Base	Room 103

REC'D  
EMSL-BOSTON  
FEB 20 2023

Mcquon School

014.05331





132301239

Sample ID	Type of Material	Location
021B	4" Gray Core Base	Room 203
022A	Associated Adhesive	" 103
022B	" "	" 203
023A,B	6" Gray Core Base	Auditorium/Cafeteria
024A,B	Associated Adhesive	" "
025A,B	Yellow Core Base	Stage
026A,B	Associated Adhesive	"
027A,B	Blue Core Base	Administrative Offices
028A,B	Associated Adhesive	" "
029A	2'x2' Crow Feet Ceiling Tile	Library Hall
029B	" " " " "	Nurse's Office
030A,B	2'x4' 2-Panel Ceiling Tile	Library Lab
031A	2'x4' Wide Crow Feet Ceiling Tile	2 <sup>ND</sup> Floor Mens - New Extension
031B	" " " " " "	2 <sup>ND</sup> Floor Womens - New Extension
032A	2'x2' Pin-dot Ceiling Tile	Room 108
032B	" " " " "	Office Across from Nurse's Office
033A,B	2'x2' Fibrous Ceiling Tile	1 <sup>ST</sup> Floor Hall - Old Extension
034A	2'x4' Fibrous Ceiling Tile	1 <sup>ST</sup> Floor Hall - New Extension
034B	" " " " "	2 <sup>ND</sup> Floor Hall " "
035A,B	2'x2' Smooth Ceiling Tile	Kitchen
036A	2'x4' Crow Feet Ceiling Tile	Room 118
036B	" " " " "	Room 214
037A	Skim Coat Plaster	Admin Wing Girls Bathroom
037B	" " "	" " Boys Bathroom
037C	" " "	Main Hall - Mens Bathroom
037D	" " "	Janitor Closet By Library
037E	" " "	Womens Bathroom By Library
037F	" " "	1 <sup>ST</sup> Floor Stair Landing - Old Extension
037G	" " "	2 <sup>ND</sup> Floor Girls Room - " "
038A	Skim Coat Plaster	Admin Wing Girls Bathroom

Course

REC'D  
FMSI.B... FEB 21 2023

Msgruen School

014,05331



132301239

Sample ID	Type of Material	Location
038B	Coarse Cast Plaster	Admin Wing - Boys Bathroom
038C	" " "	Main Hall - Mens Bathroom
038D	" " "	Sanitor Closet By Library
038E	" " "	Womens Bathroom By Library
038F	" " "	1 <sup>ST</sup> Floor Stair Landing - Old Extension
038G	" " "	2 <sup>ND</sup> Floor Girls Room - Old Extension
039A	Gypsum Wallboard	Admin Wing - Back Offices
039B	" "	Room 103
039C	" "	Room 205
040A	Joint Compound	Admin Wing - Back Offices
040B	" "	Room 103
040C	" "	Room 205
041A,B	Residual Glue on Walls	Room 205
042A,B	12x12 White w/ Brown Struck Floor Tile	Auditorium / Cafeteria
043A,B	Associated Mastic	" "
044A,B	Red Inlay Tile	" "
045A	Blue Inlay Tile	" "
045B	" " "	2 <sup>ND</sup> Floor Hall - Old Extension
046A	Yellow " "	Auditorium / Cafeteria
046B	" " "	2 <sup>ND</sup> Floor Hall - Old Extension
047A	Green " "	Auditorium / Cafeteria
047B	" " "	2 <sup>ND</sup> Floor Hall - Old Extension
048A	Red Lintel under Tile	Auditorium / Cafeteria
048B	" " under Tile	2 <sup>ND</sup> Floor Hall Old Extension
049A	12x12 Pink Struck Inlay Tile	" " " "
049B	" " " " "	1 <sup>ST</sup> Floor Hall - " "
050A	Associated Mastic	2 <sup>ND</sup> Floor Hall - " "
050B	" "	1 <sup>ST</sup> Floor Hall - " "
051A,B	12x12 Pink w/ multi-color Struck Floor Tile	Admin Wing - Back Offices
052A,B	Associated Mastic	" " " "

REC'D  
FMSL-BOSTON FEB 20 2023

Mcquinn School

014.05331



132301239

Sample ID	Type of Material	Location
053A	12x12 Light Pink Floor Tile	Room 116
053B	" " " " "	" 118
054A	Associated Mastic	" 116
054B	" "	" 118
055A	12x12 Light Grey Streaked Floor Tile	Room 118
055B	" " " " " "	2 <sup>ND</sup> Floor Hall-New Extension
056A	Associated Mastic	Room 118
056B	" "	2 <sup>ND</sup> Floor Hall-New Extension
057A	12x12 White w/ Grey Streak Floor Tile	" " " " "
057B	" " " " " "	1 <sup>ST</sup> Floor Hall - " "
058A	Associated Mastic	2 <sup>ND</sup> Floor Hall - " "
058B	" "	1 <sup>ST</sup> Floor Hall - " "
059A	12x12 Brown Floor Tile	2 <sup>ND</sup> Floor Mens Room-New Extension
059B	" " " "	" " Womens " - " "
060A	Associated Mastic	" " Mens " - " "
060B	" "	" " Womens " - " "
061A	12x12 Dark Brown Floor Tile	Kitchen-Dry Storage
061B	" " " " "	" " "
062A	Associated Mastic	" " "
062B	" "	" " "
063A	12x12 Beige Streak Floor Tile	2 <sup>ND</sup> Floor Hall-Old Extension
063B	" " " " "	Main Hallway
064A	Associated Mastic	2 <sup>ND</sup> Floor Hallway-Old Extension
064B	" "	Main Hallway
065A,B	12x12 White w/ Blue Streak Floor Tile	Administration Offices
066A,B	Associated Mastic	" "
067A,B	Yellow Carpet Mastic	" "
068A,B	Grey Carpet Under Tile	" "
069A,B	Associated Mastic	" "
070A,B	Red Leveler	" "

REC'D  EMSL-BOSTON FEB 20 2023

Maguan School

014.05331



132301239

Sample ID	Type of Material	Location
071A	Orange Epoxy Flooring	Room 116
071B	" " "	Room 116
072A,B	Black Carpet Mastic	Library
073A,B	Rubber Flooring	Gym
074A,B	Associated Mastic	"
075A,B	Grey Leveler under Carpet	Library Lab
076A,B	Black Mastic under Leveler	" "
077A,B	Grey outer Layer Emulsions	Freezer - Kitchen
078A,B	Cork inner Layer	" "
079A,B	Textem Wall Panels	Gym
080A,B	Boiler Gasket	Boiler Room - Boilers
081A	Black Cementitious Windowsill	Windowsill - Cafeteria
081B	" " "	" - 2 <sup>nd</sup> Floor Landing
082A,B	Roof Drain Collar Insulation	2 <sup>nd</sup> Floor Hall - Old Extension
082C	" " " "	Nurses Office
083A	Door Filler	Room 116
083B	" "	Room off 2 <sup>nd</sup> Floor Bathroom - New Ext.
084A	Old style Paper/Boil wrap on Pipe	1 <sup>st</sup> Floor Hall - Old Extension
084B,C	" " " " " "	Main Hall
085A,B	Red Ceramic Floor Tile Grout	Kitchen
086A	Ceramic Wall Tile Grout	1 <sup>st</sup> Floor Mens Room - Old Extension
086B	" " " "	Womens Room by Library
087A	" " " Adhesive	1 <sup>st</sup> Floor Mens Room - Old Extension
087B	" " " "	Womens Room by Library
088A	Ceramic Floor Tile Grout	1 <sup>st</sup> Floor Mens Room - Old Extension
088B	" " " "	Mens Room By Library
089A	" " " Adhesive	1 <sup>st</sup> Floor Mens Room - Old Extension
089B	" " " "	Mens Room By Library
090A,B	Interior Door Caulk	Boiler Room
091A,B	Grey Exterior Door Caulk	Front Entrance Door

REC'D FEB 20 2023

014.05331



132301239

Sample ID	Type of Material	Location
092A	Exterior Door Calk	Door 14
092B	" " "	Door 5
093A	Brown Interior Window Calk	Room 216
093B	" " "	2 <sup>nd</sup> Floor Landing - New Extension
094A	Interior Window Glaze-Old Style	Room 211
094B	" " " "	Main Hall by Library
095A	Interior Window Calk-Old Style	" " " "
095B	" " " "	Auditorium
096A	Exterior Window Glaze Old Style	Main Hall by Library
096B	" " " "	Room 108
097A,B	Exterior Window Calk-Main Bldg	Exterior Windows-Main Building
098A,B	Exterior Window Calk-Old Extension	Exterior Windows-Old Extension
099A,B	Exterior Window Calk-New Extension	Exterior Windows-New Extension
100A,B	Exterior Red Seam Calk	Exterior-New Extension
101A,B	Exterior Vent Calk	" " "
102A	Black Pipe Sealant	Old Extension Roof
102B	" " "	Crossover Roof
103A,B	Black Nailer Sealant	" "
104A,B	Adhesive on Par-pet Chimney	Boiler Room Roof
105A,B	Black Adhesive on Par-pet Wall	Crossover Roof
106A,B	Map Coat on Deck	Boiler Room Roof
107A,B	" " " "	Cafeteria Roof
108A,B	" " " "	Crossover Roof
109A,B	" " " "	Administration Wing Roof
110A,B	" " " "	Old Extension Roof
111A,B	Fiberboard Under Rubber over XPS	Entrance Overhang Roof
112A,B	Map On Concrete Deck	" " "

REC'D  
EMSL-BOSTON FEB 20 2023



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

http://www.EMSL.com / bostonlab@emsl.com

<b>EMSL Order:</b> 132301430
<b>Customer ID:</b> EAFI66
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attention:</b> John Vaz EFI Global, Inc. 155 West Street Suite 6 Wilmington, MA 01887	<b>Phone:</b> (978) 688-3736 <b>Fax:</b> (978) 688-5494 <b>Received Date:</b> 03/02/2023 10:35 AM <b>Analysis Date:</b> 03/03/2023 <b>Collected Date:</b> 03/02/2023
<b>Project:</b> 014.05331 - Maquin School; Hanson, MA	

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E  
Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1001A <small>132301430-0001</small>	New Extension - Stairwell - Rubber Tread Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1001B <small>132301430-0002</small>	New Extension - Stairwell - Rubber Tread Flooring	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1002A <small>132301430-0003</small>	New Extension - Stairwell - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1002B <small>132301430-0004</small>	New Extension - Stairwell - Assoc. Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Ramon Buenaventura (4)

Steve Grise, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA NVLAP Lab Code 101147-0, CT PH-0315, MA AA000188, RI AAL-139, VT AL998919, ME LB-0039

Initial report from: 03/03/2023 06:45:09

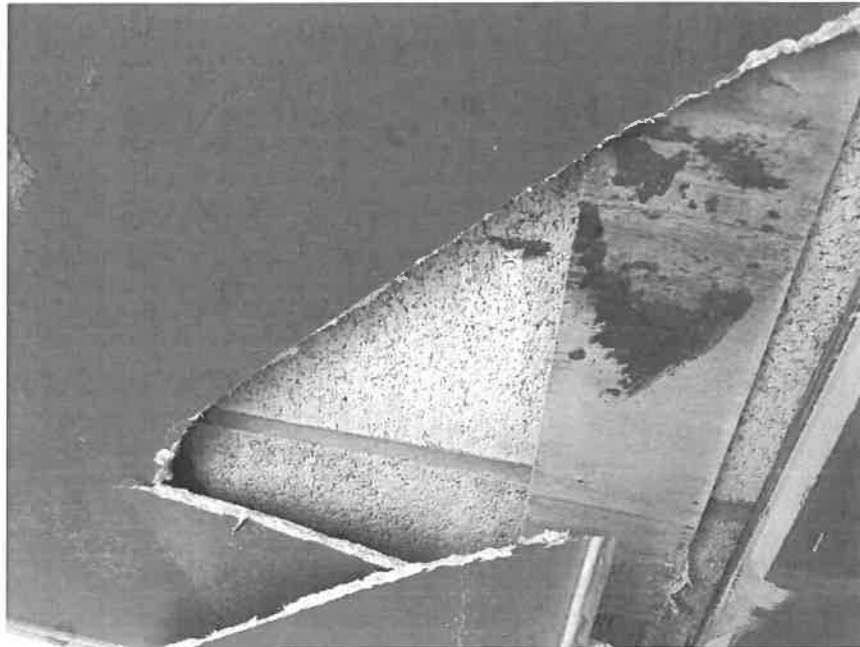


**ATTACHMENT B**  
**PHOTOGRAPHS**

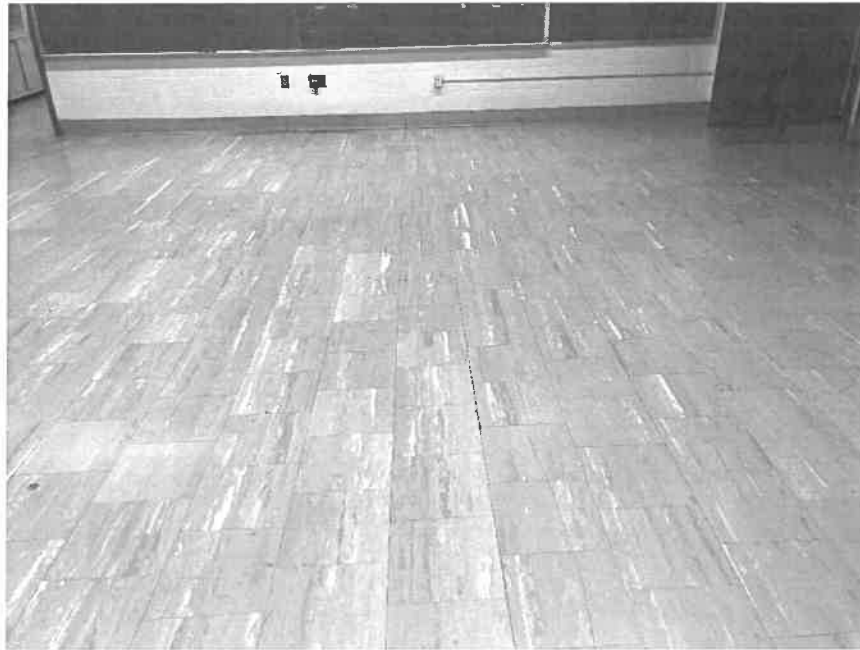




View of site building



ACM Blackboard and associated non-ACM adhesive



ACM 12" x 12" Brown with white streak floor tile and mastic



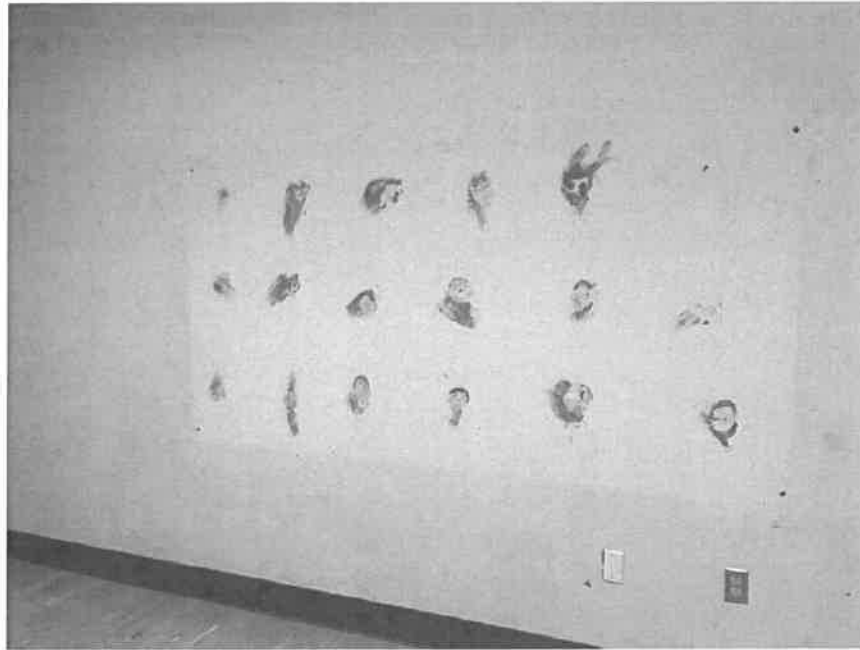
ACM cement panelboard by radiator, non ACM 6" beige cove base/adhesive



Pinboard and associated brown adhesive



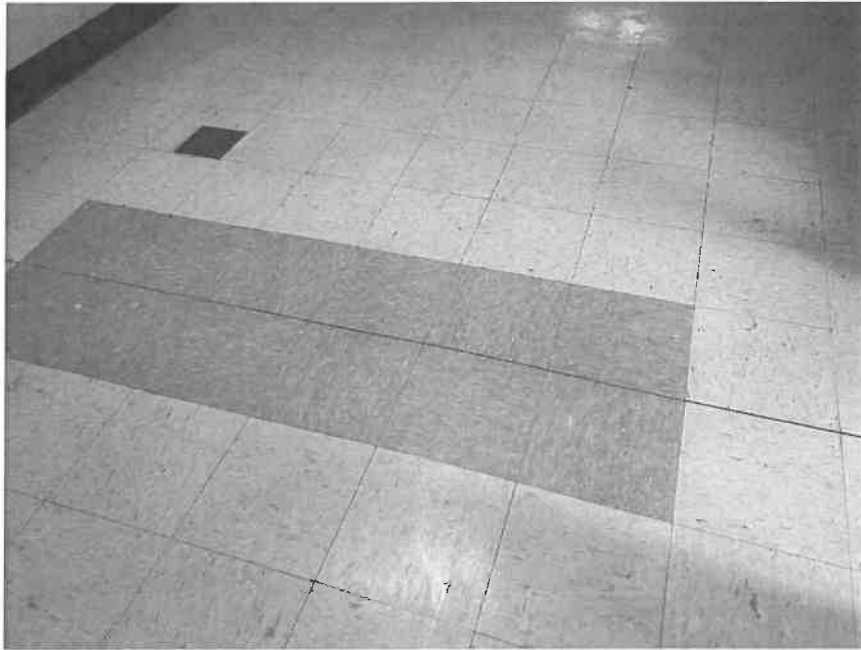
Typical classroom windows in Old Extension. Windows here have ACM window caulking and glazing.



Residual mastic on gypsum wall.



Buried pipe insulation behind block wall in 1<sup>st</sup> Floor Women's Room – Old Extension.



12" x 12" beige streak and 12" x 12" pink inlay floor tile in hallways of Main Building and Old Extension.  
Note mastic beneath is ACM.



Ceramic wall tile grout/adhesive



Ceramic floor tile grout/adhesive



12" x 12" light pink floor tile and 12" x 12" light grey streaked floor tile in New Extension.



12" x 12" brown floor tile in New Extension



Door filler



2' x 2' pindot ceiling tile



ACM pipe fittings in storage room off stage





Typical roofing system at site.



ACM black mastic on parapet roof – Crossover Roof



ACM exterior window caulk on Main Building and Old Extension



ACM exterior door caulk on Main Building and Old Extension doors



Area behind brick wall – Old Extension



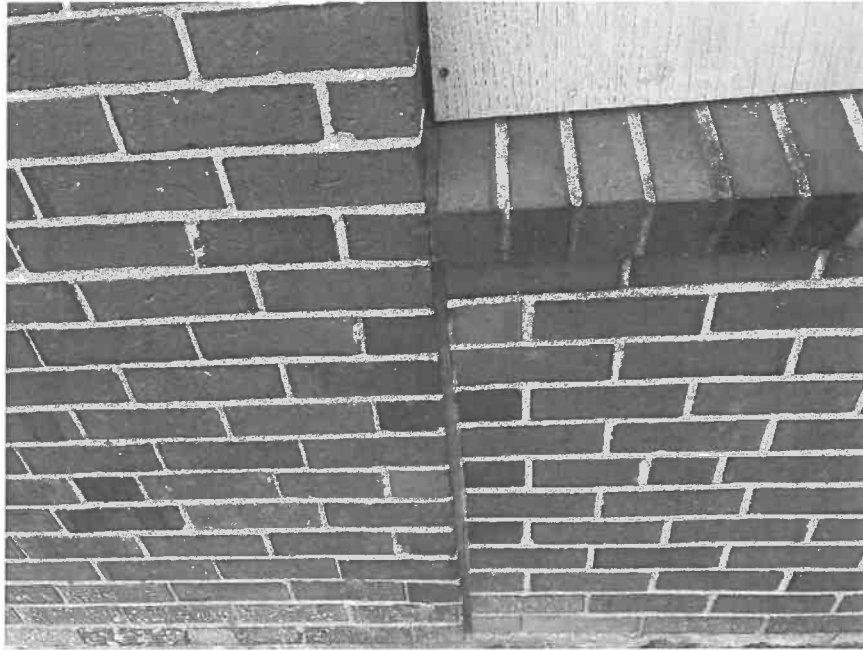
Area behind brick wall – main building



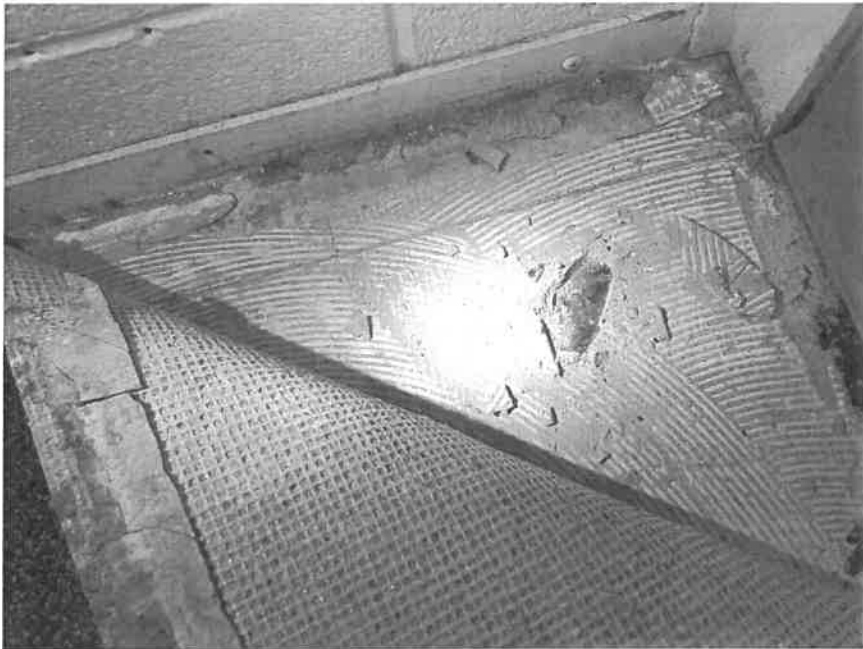
Area behind brick wall – New Extension



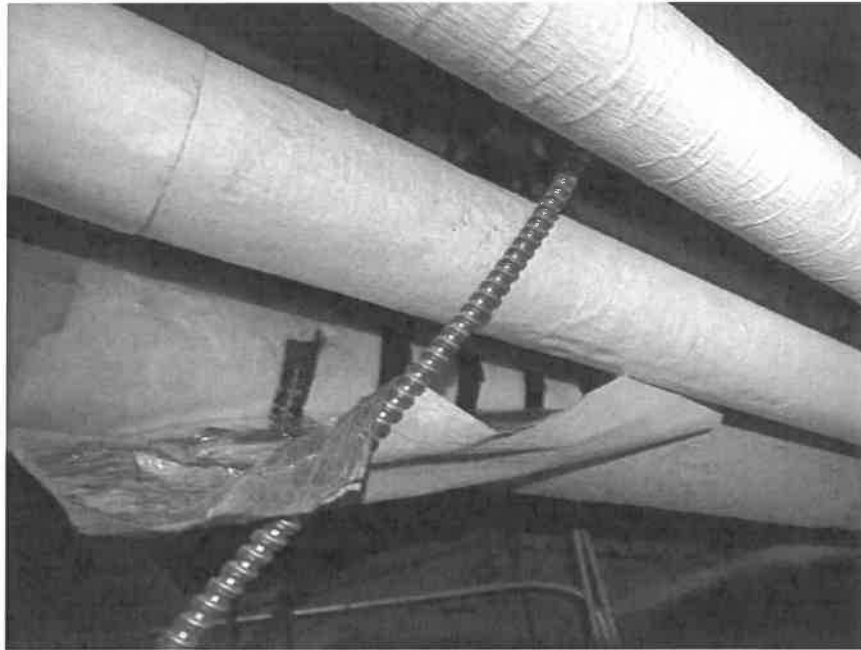
Typical view of foundation wall – no foundation mastic found



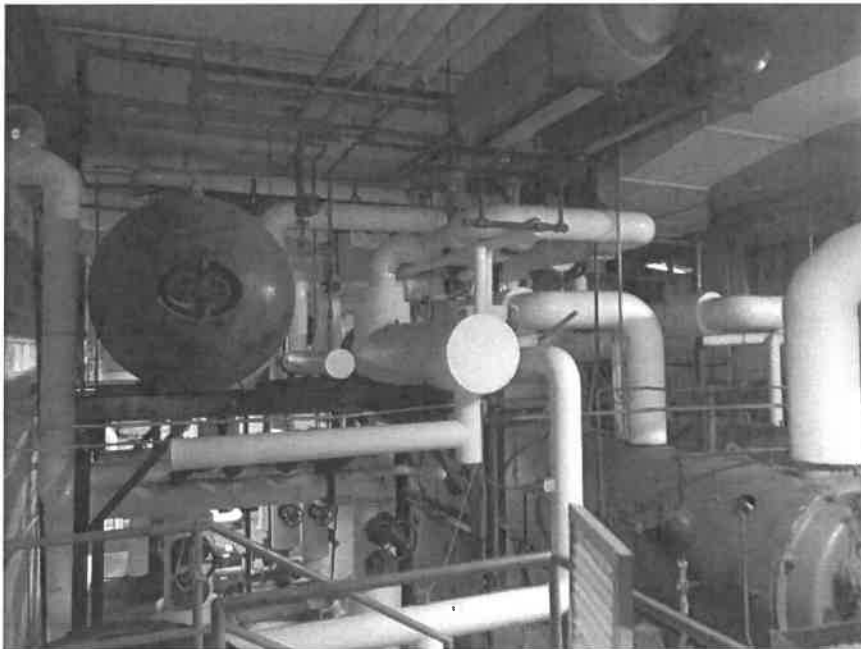
Red exterior window/seam caulk – New Extension



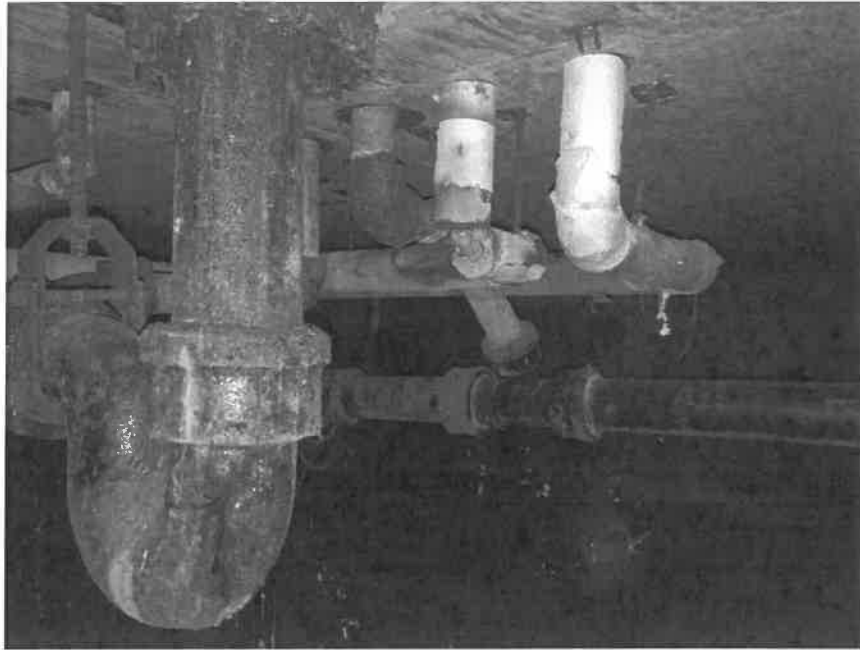
ACM mastic under leveler in Library Lab



Old style foil wrap on pipe



Boiler Room (abated)



ACM pipe fittings in Kitchen Crawspace



ACM pipe fitting debris in Kitchen Crawspace



12" x 12" white with blue streak floor tile. Note – mastic is ACM.



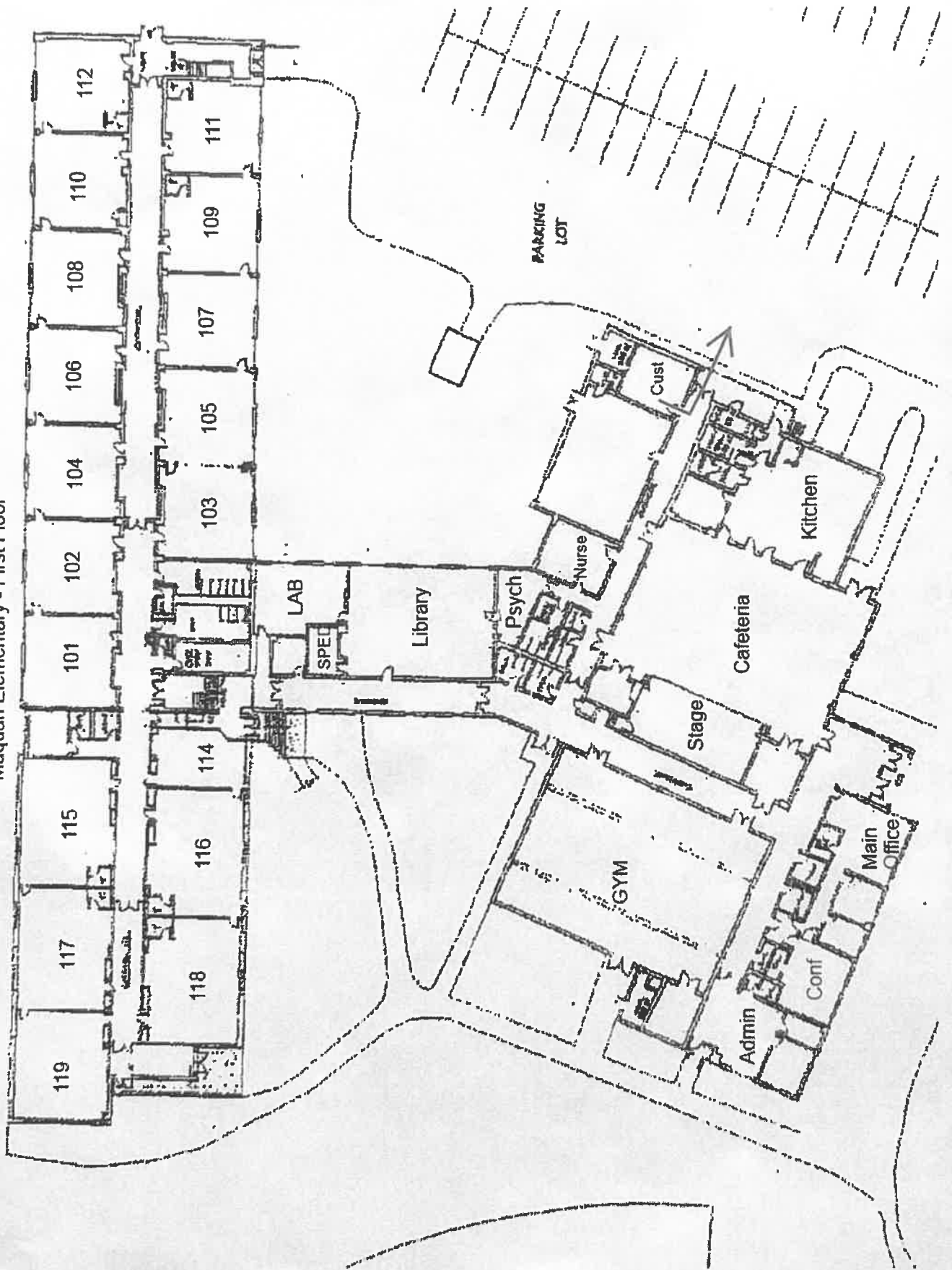
Administrative back offices. Note – mastic beneath carpet/floor tile in this area is ACM.

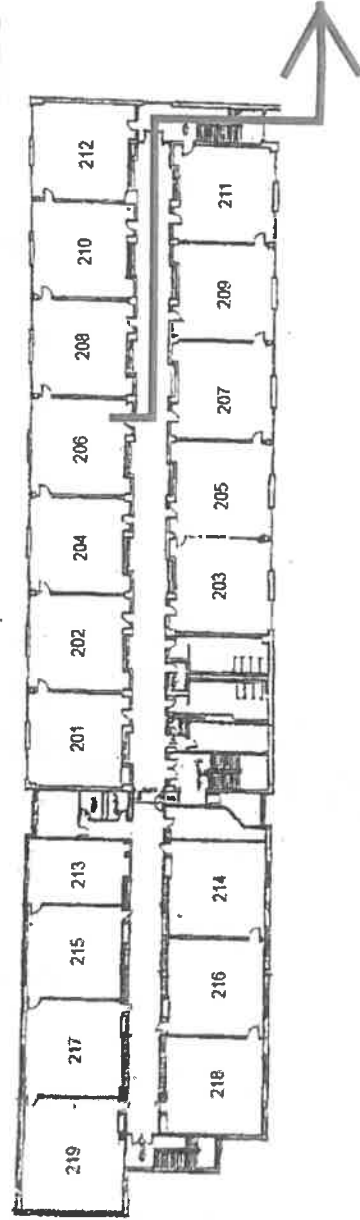


**ATTACHMENT C**

**SITE FIGURES**

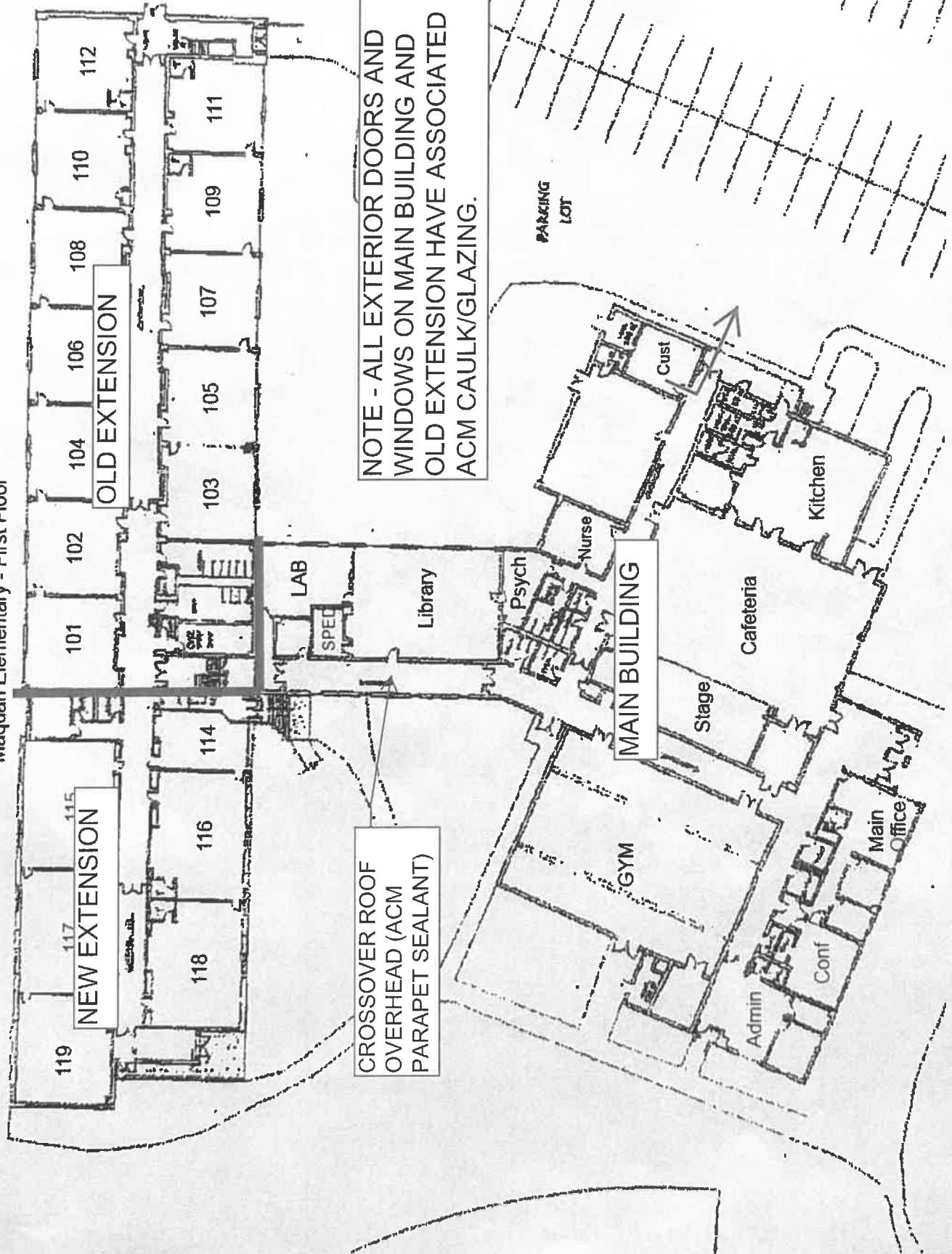
Maquan Elementary - First Floor





Maquan Elementary - Second Floor

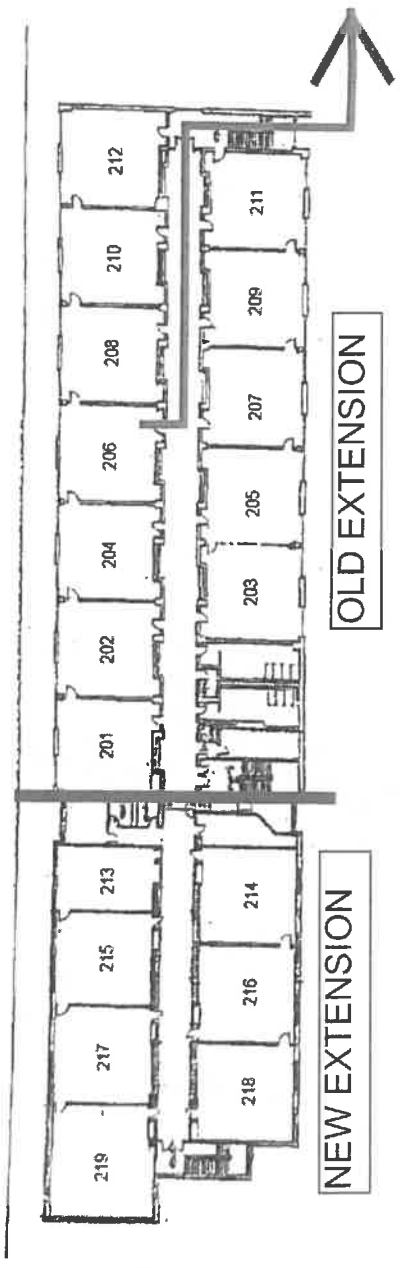
Maquan Elementary - First Floor



CROSSOVER ROOF OVERHEAD (ACM PARAPET SEALANT)

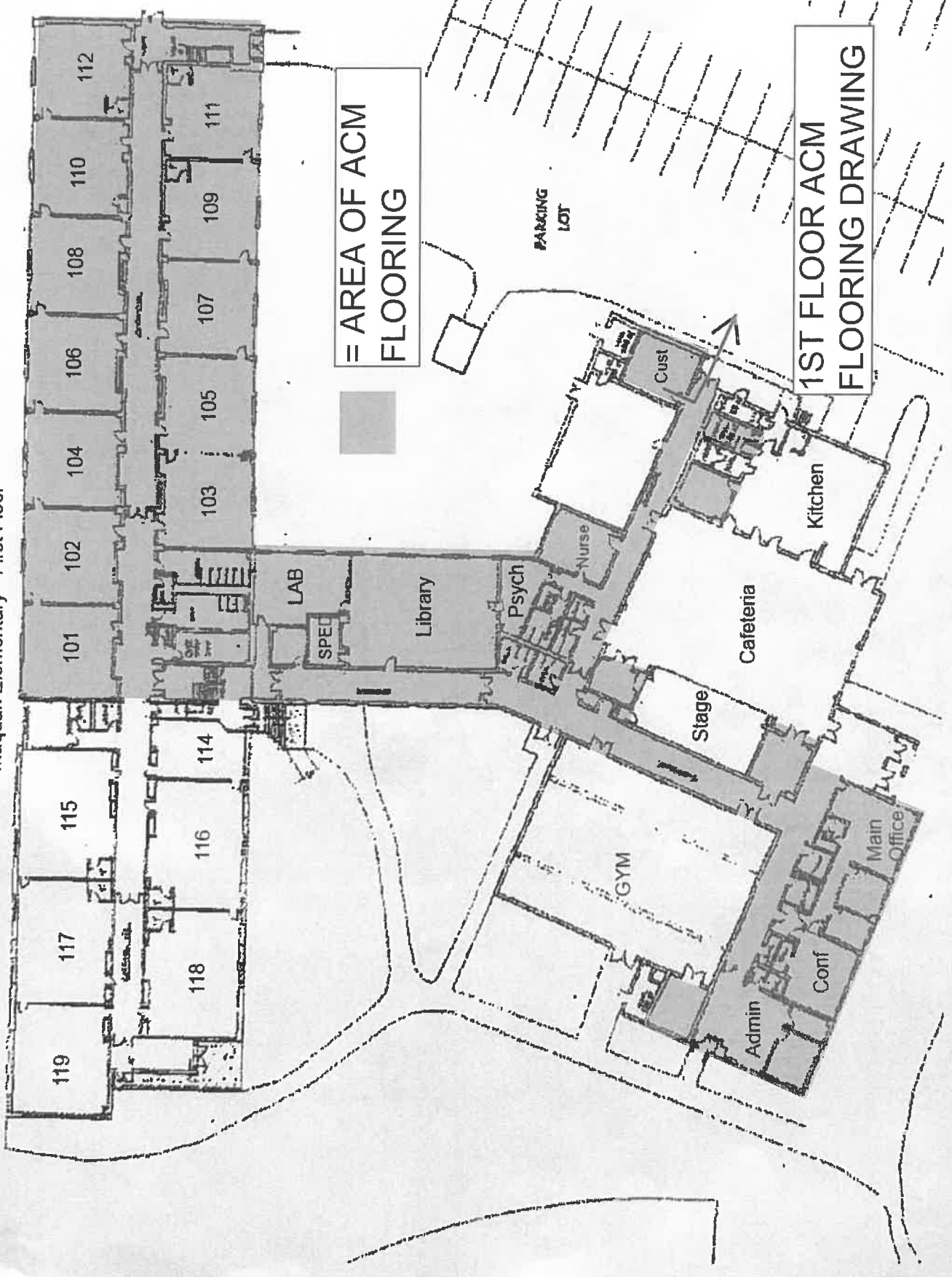
NOTE - ALL EXTERIOR DOORS AND WINDOWS ON MAIN BUILDING AND OLD EXTENSION HAVE ASSOCIATED ACM CAULK/GLAZING.

NOTE - ALL EXTERIOR  
WINDOWS ON OLD  
EXTENSION HAVE ACM  
CAULK/ GLAZING.



Marquan Elementary - Second Floor

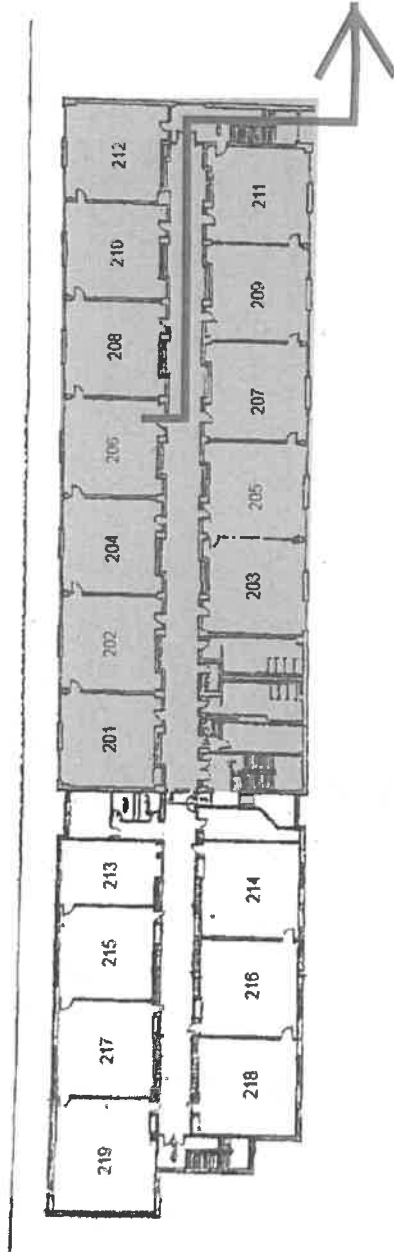
Maquan Elementary - First Floor



= AREA OF ACM FLOORING

1ST FLOOR ACM FLOORING DRAWING

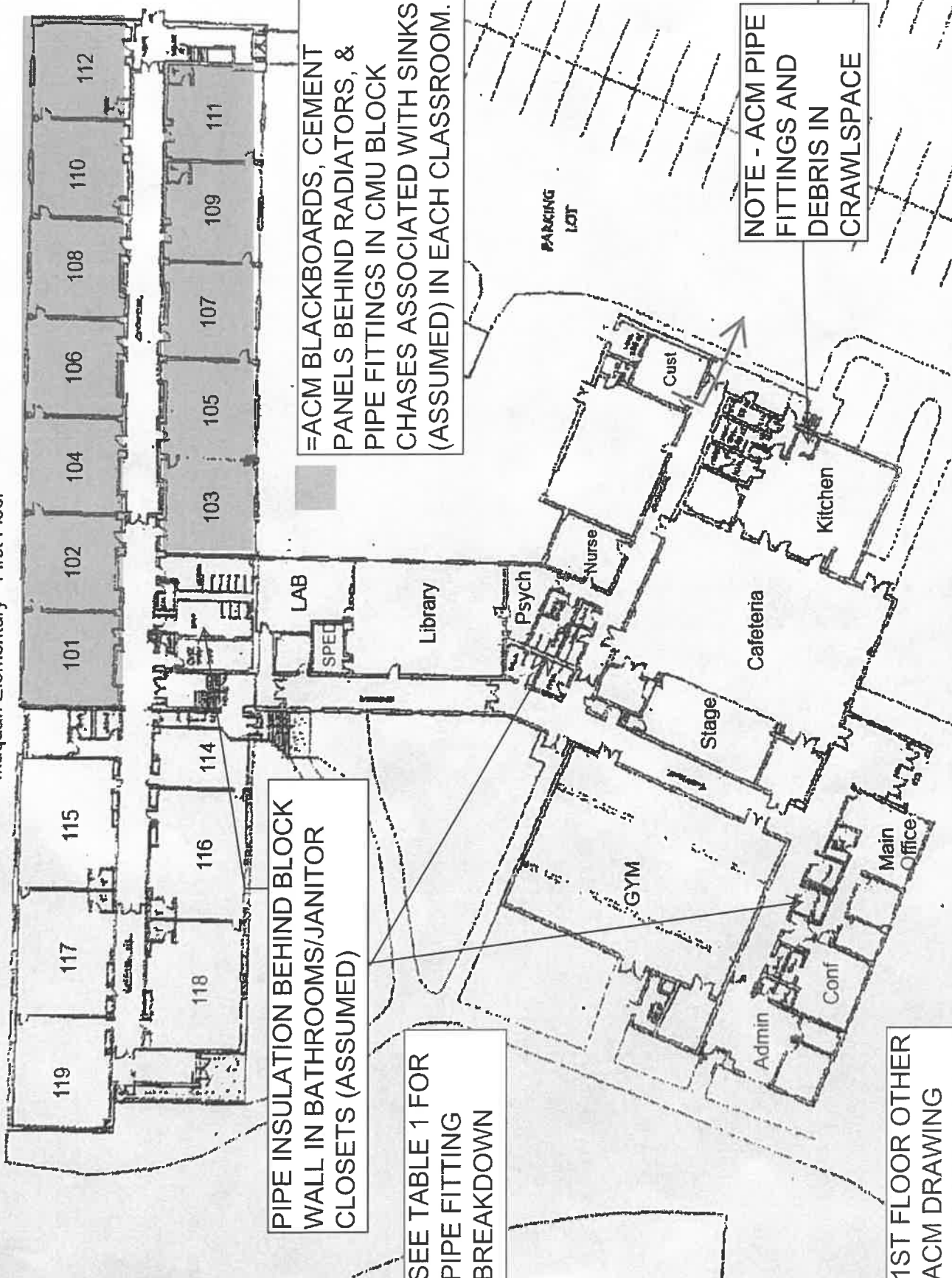
= AREA OF ACM  
FLOORING



Maquan Elementary - Second Floor

2ND FLOOR ACM  
FLOORING DRAWING

Maquan Elementary - First Floor



■ = ACM BLACKBOARDS, CEMENT PANELS BEHIND RADIATORS, & PIPE FITTINGS IN CMU BLOCK CHASES ASSOCIATED WITH SINKS (ASSUMED) IN EACH CLASSROOM.

NOTE - ACM PIPE FITTINGS AND DEBRIS IN CRAWLSPACE

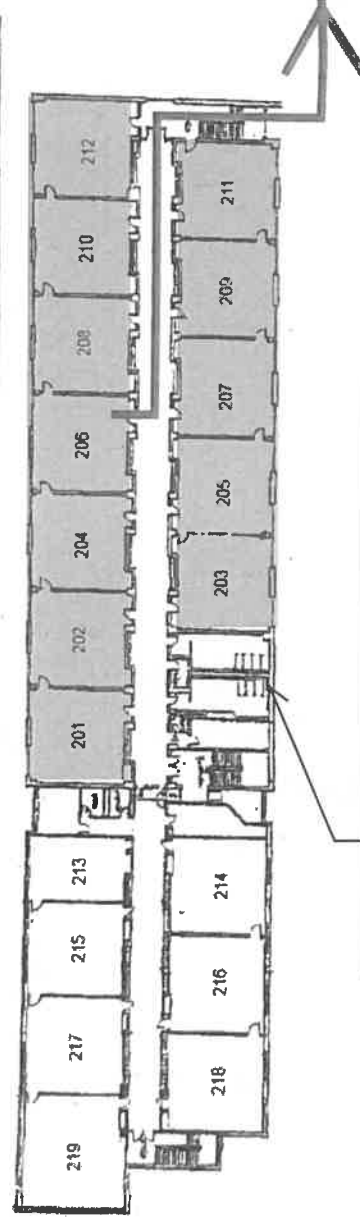
PIPE INSULATION BEHIND BLOCK WALL IN BATHROOMS/JANITOR CLOSETS (ASSUMED)

SEE TABLE 1 FOR PIPE FITTING BREAKDOWN

1ST FLOOR OTHER ACM DRAWING



= ACM BLACKBOARDS, CEMENT PANELBOARDS BEHIND RADIATORS, AND PIPE FITTINGS IN CMU BLOCK CHASES ASSOCIATED WITH SINKS (ASSUMED) IN EACH CLASSROOM.



PIPE INSULATION BEHIND WALLS IN BATHROOMS/JANITOR CLOSET (ASSUMED)

Marquan Elementary - Second Floor

2ND FLOOR OTHER ACM DRAWING