

ADDENDUM ONE

**BID NUMBER B2013059
CEILING REPAIR / REPLACEMENT AT VARIOUS SCHOOLS
Pawtucket School Department
286 Main Street
Pawtucket, Rhode Island 02860**

July 30, 2013

NOTICE:

This Addendum modifies, amends and supplements designated part of the CONTRACT DOCUMENTS for the project identified as "Ceiling Repair / Replacement at Various Schools", Pawtucket School Department 286 Main Street, Pawtucket, Rhode Island, dated July 16, 2013 is hereby made a part thereof by reference, and shall be as binding as though inserted in its entirety in the locations designated hereunder. It shall be the responsibility of the Contractor to notify all subcontractor and suppliers he proposes to use for the various parts of the work of any changes or modifications contained in this Addendum. No claim for additional compensation due to lack of knowledge of the contents of this Addendum will be considered.

Specifications:

1. Section 00 41 13, Bid Form
Delete section in its entirety and insert attached "Section 00 41 13 Bid Form".
2. Section 01 22 00, Unit Prices.
Delete section in its entirety and insert attached "Section 01 22 00 Unit Prices".

Asbestos Abatement:

1. NATHANAEL GREENE ELEMENTARY SCHOOL – ASBESTOS ABATEMENT PLAN
 - a. Insert the attached "Asbestos Abatement Plan" into the contract documents.
Contractor to include all required services and department of health submission fees in the base bid amount.
2. SLATER JUNIOR HIGH SCHOOL – ASBESTOS ABATEMENT PLAN
 - a. Insert the attached "Asbestos Abatement Plan" into the contract documents.
Contractor to include all required services and department of health submission fees in the base bid amount.
3. SHEA SENIOR HIGH SCHOOL – ASBESTOS ABATEMENT PLAN
 - a. Insert the attached "Asbestos Abatement Plan" into the contract documents.
Contractor to include all required services and department of health submission fees in the base bid amount.

Drawings:

1. D1.02 (DEMOLITION) FIRST FLOOR REFLECTED CEILING PLAN
 - a. Add The following information to room below Storage 109:

STORAGE
109A
110 Sq. Ft.

2. D5.01 (DEMOLITION) BASEMENT REFLECTED CEILING PLAN
 - a. Add Demolition Note 16 as follows to the Specific Demolition Notes:

16. Remove and dispose of existing portion of plaster ceiling assembly as required to visually inspect structural ceiling framing above
 - b. Add Specific Demolition Note 16 to “Classroom 072” in the square located within the room. This Demolition note encompasses 9 Sq. Ft. of plaster removal within this space.
 - c. Add Specific Demolition Note 16 to “Weight Room 074” in the square located within the room. This Demolition note encompasses 9 Sq. Ft. of plaster removal within this space.

3. D5.02 (DEMOLITION) BASEMENT REFLECTED CEILING PLAN
 - a. Change sheet title to “(Demolition) First Floor Reflected Ceiling Plan”
 - b. Add the following to “Gymnasium 001”:

GYMNASIUM

001

 5,830 Sq. Ft.

4. D6.01 (DEMOLITION) BASEMENT AND THIRD FLOOR REFLECTED CEILING PLAN
 - a. Add the following to “Janitors Closet” on the basement level:

JANITORS

--

 33 Sq. Ft.

5. A5.01 (NEW CONSTRUCTION) BASEMENT REFLECTED CEILING PLAN
 - a. Add Construction Note 24 as follows to the Specific Construction Notes:

24. Provide and install (three) five ton screw jacks under failed beam for temporary support of structure above. Locations of jack placement to be determined by the Structural Engineer in the field prior to any installation
 - b. Add Specific Construction Note 24 to the beam located in “Corridor 029”.

NOTICE TO ALL CONTRACTORS:
 Contractors shall call our office to verify number of Addendum issued at least 24 hours in advance of bid submission. Failure to acknowledge receipt of this addendum on the bid form may, at the sole discretion of the Owner, serve as justification to reject bid.

END OF WRITTEN ADDENDUM

Performance, Labor and Material Bonds (Assurance of Completion) in an amount equal to 100% of the contract sum are required by the OWNER. They shall be executed in such forms, and with such securities that is acceptable to the OWNER, and be placed with a Company also acceptable it.

Required Performance, Labor and Material Bond covering the Contract, such will be available from the Surety Company listed below. Cost of bonds is included in the Base bid amount.

BIDDER submits for approval as his surety:

(Name of Surety)
a corporation organized under laws of the State of _____.

7. OVERHEAD & PROFIT - ADDITIONAL WORK

BIDDER agrees payment for overhead, supervision, bond, profit and other general expense on extra work (General Conditions) combined shall not exceed the following percentage of cost basis.

To the Contractor for Work performed by his own forces maximum 10 percent of the cost.

To Subcontractors for Work performed his own forces maximum 10 percent of the cost.

To the Contractor or Subcontractor for Work performed by his subcontractors maximum of 5 percent of the cost, not including subcontractor or sub-subcontractor's overhead and profit.

8. ADDITIONAL PROPOSAL PROVISIONS

If written notice of the acceptance of this BID is mailed, telegraphed or delivered to BIDDER within 60 days after the opening of the bids, or any time thereafter before this BID is withdrawn, BIDDER, will within 3 days after such notice, execute and deliver an agreement in the form specified.

BIDDER hereby designates the following individual at his office to which notice of acceptance may be mailed, telegraphed or delivered:

Name _____

Company Telephone Number _____

Company Fax Number _____

Company E-Mail Address _____

The BIDDER agrees that this BID shall be good and may not be withdrawn for a period of 60 calendar days after the scheduled closing time for receiving bids.

BIDDER agrees to comply with all conditions of the contract, as set forth in the Bidding Requirements and Contract Documents.

BIDDER does further declare that no other than herein named have any interest in this proposal.

BIDDER understands that the OWNER reserves the right to reject any or all proposal and to accept a proposal most favorable to the interest of the OWNER.

By submission of this BID, each BIDDER certifies, and in the case of a joint BID each party thereto certifies as to its own organization, that this BID has been arrived at independently, without

consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any Competitor.

The Bidder warrants that he has carefully examined the site of the Work and that from his own investigations he has satisfied himself as to the nature and location of the Work and the character, quality, quantities of materials and difficulties to be encountered, the kind and extent of equipment and other facilities needed for the performance of the Work, the general and local conditions, and other items which may, in any way, affect the Work or its performance.

9. UNIT PRICES

The following Unit Prices, if accepted in the award of this Contract, shall be used in establishing the adjustment of Contract Price for additions to or deductions from the Work in accordance with the applicable section of the General Conditions and the Supplementary General Conditions. Unit Prices listed shall include all costs, profit and overhead and no further surcharges are to be added to any Unit Price item of Work that may be order done. Work omitted from the contract will be calculated at 100 percent of the additional work unit prices.

<u>ITEMS OF WORK</u>	<u>UNIT PRICE</u>
1. Remove and dispose of glued acoustical ceiling tile in accordance with Demolition Note 3	\$ _____ Sq. Ft.
2. Remove and dispose of plaster ceiling system in accordance with Demolition Note 4	\$ _____ Sq. Ft.
3. Remove and store pendant light fixture in accordance with Demolition Note 5	\$ _____ Ea.
4. Remove and store 2x4 recessed light fixture in accordance with Demolition Note 7	\$ _____ Ea.
5. Remove and dispose of existing acoustical tile system in accordance with Demolition Note 9	\$ _____ Sq. Ft.
6. Remove and store surface mounted light fixture in accordance with Demolition Note 10	\$ _____ Ea.
7. Remove and store recessed can light fixture in accordance with Demolition Note 11	\$ _____ Ea.
8. Remove and dispose of acoustical ceiling tiles Grid to be removed and stored in accordance with Demolition Note 12	\$ _____ Sq. Ft.
9. Remove and didpose of plaster ceiling system and Temporary support strapping in accordance with Demolition Note 13	\$ _____ Sq. Ft.
10. Provide and Install 2' x 2' fire rated suspended acoustical ceiling assembly in accordance with Specific Construction Note 04	\$ _____ Sq. Ft.

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- | | |
|--|------------------|
| 11. Reinstall surface mounted strip lighting and additional electrical box requirements in accordance with Specific Construction Note 05 | \$ _____ Ea. |
| 12. Reinstall 2' x 4' recessed light fixture and fire rated troffer cover in accordance with Specific Construction Note 06 | \$ _____ Ea. |
| 13. Reinstall pendant mounted strip lighting and additional electrical box requirements in accordance with Specific Construction Note 11 | \$ _____ Ea. |
| 14. Reinstall suspended grid system, provide and install new 2' x 2' fire rated acoustical ceiling tile in accordance with Specific Construction Note 12 | \$ _____ Sq. Ft. |
| 15. Reinstall pendant mounted ceiling fan and additional electrical box requirements in accordance with Specific Construction Note 13 | \$ _____ Ea. |
| 16. Provide and Install 2' x 2' fire rated suspended acoustical ceiling assembly in accordance with Specific Construction Note 14 | \$ _____ Sq. Ft. |
| 17. Paint and reinstall 2' x 4' suspended grid system
Provide and Install additional suspended grid cross tees for a 2' x 2' grid system and provide and install 2' x 2' fire rated acoustical ceiling tiles in accordance with Specific Construction Note 15 | \$ _____ Sq. Ft. |
| 18. Reinstall recessed can light fixture and fire rated fixture cover in accordance with Specific Construction Note 22 | \$ _____ Ea. |
| 19. Remove and dispose of asbestos containing pipe insulation | \$ _____ L. Ft. |
| 20. Remove and dispose of existing glued 1'x1'acoustical Ceiling tile and asbestos containing glue. | \$ _____ Sq. Ft. |

REQUIREMENT FOR LICENSE NUMBER:

In compliance with the requirements of Rhode Island General Law, Section 5-65-23, my Rhode Island license number for the work to be performed by this firm as prime contractor is:

LICENSE NUMBER: _____

DATED _____

Respectfully Submitted,

Name of Firm

SEAL (if bid is by a corporation)

Signature

Title

SECTION 00 41 13
APPENDIX "A"

Date: _____, 20__

NON-COLLUSIVE AFFIDAVIT

Each person submitting a proposal for any portion of the work contemplated by the proposal documents shall execute an affidavit, in the form provided to the effect that he/she has not colluded with any person, firm or corporation in regard to any proposal submitted. This affidavit shall be attached to the proposal.

AFFIDAVIT

State of _____

County of _____

_____ being first duly sworn, deposes and says:

That (he) (she) is (the owner) (a partner) (an officer) of the firm of _____
_____ the party making the foregoing proposal or bid, that such proposal or bid is genuine and not collusive or sham; that said bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and not in any manner, directly or indirectly, sought by agreement or collusion, or communication of conference, with any person, to fix the bid price or affiant or of any other bidder, or to fix any overhead, profit, or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the City of Pawtucket, Rhode Island, or any person interested in the proposed contract; and that all statements in said proposal or bid are true.

(Signature)

(Typed/Printed Name)

(Name Of Firm)

Signature shall be of:
Bidder, if bidder is an individual
Partner, if bidder is a partnership
Officer, if bidder is a corporation

Subscribed and sworn to before me this _____ day of _____, 20__.

State Of: _____

County Of: _____

(Notary Public Signature)

(Seal)

(Notary Public Typed/Printed Name)

My Commission Expires _____, 20__.

(EXECUTE AND RETURN TWO COPIES WITH BID)

ANTI-KICKBACK ACKNOWLEDGMENT

ALL BIDDERS/OFFERORS MUST ATTEST TO THE FOLLOWING:

The vendor acknowledges, under the pains and penalties of perjury, that he/she has not been offered, paid, or solicited for any contribution or compensation, nor has he/she been granted a gift, gratuity, or other consideration, either directly or indirectly by any officer, employee or member of the governing body of the City of Pawtucket who exercises any functions or responsibilities in connection with either the award or execution of the project to which this contract pertains.

Further, the vendor acknowledges, under the pains and penalties of perjury, that he/she has not offered, paid, or solicited by way of any contribution or compensation, nor has he/she granted a gift, gratuity or other consideration either directly or indirectly to any officer, employee, or member of the governing body of the City of Pawtucket who exercises any functions or responsibilities in connection with either the award or execution of the project to which this project or contract pertains.

SIGNATURE OF BIDDER/OFFEROR

DATE

TITLE

COMPANY

Title of RFP or BID:

ORIGINAL: AUGUST/2001

REVISED: APRIL/2006



CITY OF PAWTUCKET

CITY HALL
137 ROOSEVELT AVENUE
PAWTUCKET, RHODE ISLAND 02860

OFFICE OF THE PURCHASING DIVISION

JAMES E. DOYLE
MAYOR

JOSEPH ROQUE
PURCHASING AGENT

MEMORANDUM

TO: Department and Division Directors
FROM: J. Roque, Purchasing Agent
SUBJECT: NEW RFP REQUIREMENT/POST RETIREMENT EMPLOYMENT
DATE: September 15, 2005

The State of Rhode Island has specific restrictions and limitations relative to retired state or municipal employees providing employment services to the State or Municipality. This post-retirement employment is governed by Rhode Island General Laws ("RIGL") 36-10-36 and 16-16-24.

These provisions limit post-retirement employment with participating municipalities. Generally, any retired member of the "Employees' Retirement System of Rhode Island" (ERSRI), may be re-employed by any municipality within the State, for a period of not more than seventy-five (75) working days in any one calendar year without any forfeiture or reproduction in pension benefits. Pension payments shall be suspended when this period is exceeded.

Reporting of post-retirement employment by the retiree and the municipality is mandatory. All vendors providing "services" to the municipality must verify whether or not any of its employees are receiving a retirement allowance from the (ERSRI).

In order to comply with this requirement, a supplemental form (sample attached) **MUST** be included in any future RFP packets, to be signed by an authorized representative of each vendor responding to the RFP. It is the responsibility of the successful vendor to provide correct information relative to days worked by the affected employee. It is the responsibility of the Department/Agency initiating the RFP to monitor and forward the appropriate State form to ERSRI on a monthly basis

Copies of both laws referenced herein are available from my office upon request.

CC: Mayor James E. Doyle
Harvey E. Goulet, Director of Administration
Ronald L. Wunschel, Director of Finance
Jeannine S. Bourski, Deputy Finance Director
Angel S. Garcia, Personnel Director
Purchasing Bond

Attachments: One (1)

NOTICE TO VENDOR

The State of Rhode Island has specific restrictions and limitations relative to retired state or municipal employees providing employment services to the State of Rhode Island or a municipality. This post-retirement employment is governed by Rhode Island General Laws (“RIGL”) 36-10-36 and 16-16-24.

These provisions limit post-retirement employment with participating municipalities. Generally, any retired member of the “Employees’ Retirement System of Rhode Island” (ERSRI), may be re-employed by any municipality within the State, for a period of not more than seventy-five (75) working days in any one calendar year without any forfeiture or reproduction in pension benefits. Pension payments shall be suspended when this period is exceeded.

All vendors providing “services” to the City of Pawtucket must verify whether or not any of its employees are receiving a retirement allowance from the Employees Retirement System of Rhode Island (ERSRI). If so, the vendor must notify the City as to whether the affected employee’s period of employment will exceed the ERSRI limitation.

The vendor by his/her authorized representative’s signature below, confirms that they are in compliance with RIGL 36-10-36 and 16-16-24, and further, to notify the City of any vendor employees so affected by the ERSRI requirements.

Vendor Name	Date
Authorized Company Representative	Title
RFP TITLE	

REFERENCE: **“POST-RETIREMENT EMPLOYMENT”**
RIGL 36-10-36 and 16-16-24

SECTION 01 22 00 - UNIT PRICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Requirements:
 - 1. Division 1 "Quality Requirements" for general testing and inspecting requirements.

1.3 DEFINITIONS

- A. Unit price is an amount incorporated in the Agreement provided it has been accepted by the Owner prior to the award of the Contract, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.4 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Except as indicate in preceding subparagraphs, Methods of measurement and payment for unit prices are specified in those Sections.
- C. List of Unit Prices: A schedule of unit prices is included on the "Form For General Bid" Section 004213. Specification sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

- A. Unit Price 1: Glued acoustical tile removal.
 - 1. Description: Remove and dispose of existing glued acoustical ceiling tile system

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- 2. Unit of Measurement: Square Foot.
- B. Unit Price 2: Plaster ceiling system removal.
- 1. Description: Remove and dispose of existing plaster ceiling system in its entirety
 - 2. Unit of Measurement: Square Foot.
- C. Unit Price 3: Pendant light fixture removal.
- 1. Description: Remove and store pendant lighting fixtures
 - 2. Unit of Measurement: Each.
- D. Unit Price 4: 2' x 4' recessed light fixture removal
- 1. Description: Remove and store 2x4 recessed light fixture
 - 2. Unit of Measurement: Each.
- E. Unit Price 5: Acoustical tile and suspension system removal
- 1. Description: Remove and dispose of existing acoustical ceiling system (tiles and suspension grid)
 - 2. Unit of Measurement: Square Foot.
- F. Unit Price 6: Surface mounted light fixture removal
- 1. Description: Remove and store surface mounted lighting fixtures
 - 2. Unit of Measurement: Each.
- G. Unit Price 7: Recessed can light fixture removal
- 1. Description: Remove and store existing recessed can lighting fixture
 - 2. Unit of Measurement: Each.
- H. Unit Price 8: Acoustical tile removal
- 1. Description: Remove and dispose of existing acoustical ceiling tiles. Grid is to be removed and stored for reuse
 - 2. Unit of Measurement: Square Foot.
- I. Unit Price 9: Plaster ceiling and temporary support removal
- 1. Description: Remove and dispose of existing plaster ceiling system and temporary support strapping
 - 2. Unit of Measurement: Square Foot.
- J. Unit Price 10: Fire rated acoustical ceiling installation
- 1. Description: Provide and install 2' x 2' fire rated suspended acoustical ceiling assembly. Install new suspended ceiling 12" lower than existing plaster as required for future installation of new recessed lighting and fire rated light enclosure as specified. (U.L. Assembly I206)
 - 2. Unit of Measurement: Square Foot.

- K. Unit Price 11: Surfaced mounted lighting installation
1. Description: Reinstall existing surface mounted strip lighting. Provide and install steel electrical box maximum 1/8" above acoustical ceiling with putty pad cover. All lighting attachment penetrations must be fire sealed for proper assembly rating.
 2. Unit of Measurement: Each.
- L. Unit Price 12: 2' x 4' recessed light fixture installation
1. Description: Reinstall existing 2' x 4' recessed light fixture. Provide and install 2' x 4' fire rated troffer cover model #ff130 as manufactured by tenmat inc (or equal)
 2. Unit of Measurement: Each.
- M. Unit Price 13: Pendant mounted strip lighting installation
1. Description: Reinstall existing pendant mounted strip lighting. Provide and install steel electrical box maximum 1/8" above acoustical ceiling with putty pad cover. All lighting attachment penetrations must be fire sealed for proper assembly rating.
 2. Unit of Measurement: Each.
- N. Unit Price 14: Suspended grid reinstallation and new acoustical ceiling tile installation
1. Description: Reinstall existing suspended grid system. Provide and install new 2' x 2' fire rated suspended acoustical tile. Install new suspended ceiling 12" lower than existing plaster as required for reinstallation of recessed lighting and fire rated light enclosure as specified
 2. Unit of Measurement: Square Foot.
- O. Unit Price 15: Pendant mounted ceiling fan installation
1. Description: Reinstall existing pendant mounted ceiling fan. Provide and install steel electrical box maximum 1/8" above acoustical ceiling with putty pad cover. All attachment penetrations must be fire sealed for proper assembly rating.
 2. Unit of Measurement: Each.
- P. Unit Price 16: 2' x 2' fire rated suspended acoustical ceiling assembly installation
1. Description: Provide and install 2' x 2' fire rated suspended acoustical ceiling assembly. Install new suspended ceiling 3" lower than existing plaster as required to install system above existing hvac piping, plumbing, electrical conduit, etc. to remain in current locations
 2. Unit of Measurement: Square Foot.
- Q. Unit Price 17: Acoustical ceiling installation
1. Description: Paint and reinstall existing 2' x 4' suspended grid system. Provide and install additional suspended grid cross tees as required to install 2' x 2' acoustical tiles. Provide and install new 2' x 2' fire rated suspended acoustical tile. install suspended ceiling 12" lower than existing plaster as required for reinstallation of recessed lighting and fire rated light enclosure as specified
 2. Unit of Measurement: Square Foot.
- R. Unit Price 18: Recessed can light fixture installation
1. Description: Reinstall existing recessed can light fixture. Provide and install fire rated cover model #ff109-300 as manufactured by tenmat inc (or equal)
 2. Unit of Measurement: Each.

- S. Unit Price 19: Asbestos pipe insulation removal
 - 1. Description: Remove and dispose of existing asbestos containing material.
 - 2. Unit of Measurement: Linear Feet

- T. Unit Price 20: acoustical tile with asbestos containing glue removal
 - 1. Description: Remove and dispose of existing glued 1' x 1' acoustical ceiling tile and asbestos containing glue as indicated in the Asbestos Abatement Plan
 - 2. Unit of Measurement: Square Foot.

END OF SECTION 01 22 00

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1. Building Owner's Name:
Pawtucket Public Schools

2. Application Prepared By:
Daniel J. Simas

RI certification No: **AAC-567-PD**

Telephone No: **401-737-8500 ext 121**
(Area code, No., Ext.)

3. Building Owner's Mailing Address and Telephone Number:

Street: **286 Main Street**

City/Town: **Pawtucket**

Zip: **02860**

Telephone No.: **401-729-6300**

(Area Code, No., Ext.)

4. Person to be contacted regarding this application:

Name: **Dennis Rebelo**

Telephone No: **401-729-6350**

(Area Code, No., Ext.)

5. Location where abatement work will be performed:

Name (if applicable): **Nathaniel Greene Elementary School**

Street: **285 Smithfield Avenue**

City/Town: **Pawtucket**

Zip: **02860**

6. Is this application being submitted in response to a "Notice of Requirement to Submit an Asbestos Abatement plan"? () Yes (X) No

If Yes, what is the due date for submittal of Abatement plan? _____
(Mo.) (Day) (Yr.)

Evaluation Number on the Notice: _____

7. Contractor who will be performing abatement work (if selected):

Name: **TBD**

R.I. License No.:

14. Pre-Abatement Air Sample Collection and Analysis:

A). Person collecting pre-abatement air samples:

Name: **RI Analytical Personnel**

Affiliation: **RIAL**

B). Laboratory performing analysis of pre-abatement air samples.

Name: **RI Analytical Laboratories**

RI Certification No.: **AAL-008C3**

C). Methodology used in the collection and analysis of pre-abatement samples:

NIOSH Method 7400 [Most Current Revision]

OSHA 29 CFR 1926.1101 – Appendix A & B

Other (Specify)

-
15. A. Indicate how the regulated asbestos containing material (RACM) will be removed from the abatement site. If a hauler or broker will be used to transport the RACM to a disposal site, they must also be identified.

To be determined

- B. Provide the name and location of the authorized asbestos waste facility to which the removed material will be transferred for disposal (if known).

To be determined

-
16. Person designated as compliance monitor for abatement work. **[NOT REQUIRED]**

Name: **RI Analytical Personnel**

Affiliation: **RIAL**

17. In-Process & Clearance Air Sampling: **See Attachment #1**

- A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
- B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
- C. Describe on an attachment the type, number and location of air samples that will be collected as part of the final clearance testing.
- D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.

18. A separate and fully completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 – Principal’s Office
Area 2 – Room 208

19. I certify ~~that~~ this plan was prepared by me and I am responsible for its content.

Signature: _____

Date _____

(Month) (Day) (Year)

Affiliation: **RI Analytical Laboratories, Inc**

20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

- | | |
|--|--------|
| () Operation & Maintenance Only | \$ 75 |
| () Up to One (1) NESHAP Unit | \$ 75 |
| (X) Between One (1) & Ten (10) NESHAP Units | \$ 300 |
| () Between Ten (10) & Fifty (50) NESHAP Units | \$ 600 |
| () Over Fifty (50) NESHAP Units | \$ 900 |
| () Amendment fee | \$150 |

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: 285 Smithfield Avenue

INSTRUCTIONS: All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification (Room Name/No., Evaluation Number, etc.):

Area 1 – Principal's Office

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

Refer to Attached Building Drawing

(4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

Refer to Attachment #3

(4) PROPOSED REMEDIES (cont.):

B). Will any portion of this area be abated by use of B.8 work procedures?

Yes No

If Yes, indicate below which RACM in this area will be abated by use of the following B.8 work procedures:

B.8.2 & B.8.3	[REMOVAL]	2x4 Ceiling Tiles
B.8.2 & B.8.4	[ENCAPSULATION]	_____
B.8.2 & B.8.5	[ENCLOSURE]	_____
B.8.6	[DEMOLITION]	_____
B.8.7	[GLOVEBAG]	_____
B.8.8	[ASP. ROOFING]	_____

C). Are you requesting any waivers to the above selected B.8 procedure for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the waivers requested you are proposing to utilize. All items must be keyed to the specific section(s) of the regulations for which waivers are requested.

D). Are you proposing alternative procedures under B.11 for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the alternate procedures requested you are proposing to utilize. Alternate procedures must include a justification for not following specific section(s) of the regulations and be as protective of public health.

E). Will any RACM remain in this area after abatement?

Yes No Beyond scope of inspection

If Yes, attach a description of the RACM that will remain and the details of the on-going Operations and Maintenance Plan that will be implemented in accordance with C.1.2(b).

AGENCY USE ONLY

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: **285 Smithfield Avenue**

INSTRUCTIONS: All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification (Room Name/No., Evaluation Number, etc.):

Area 2 – Room 208

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

Refer to Attached Building Drawing

(4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

Refer to Attachment #3

(4) PROPOSED REMEDIES (cont.):

B). Will any portion of this area be abated by use of B.8 work procedures?

Yes No

If Yes, indicate below which RACM in this area will be abated by use of the following B.8 work procedures:

B.8.2 & B.8.3	[REMOVAL]	2x4 Ceiling Tiles
B.8.2 & B.8.4	[ENCAPSULATION]	_____
B.8.2 & B.8.5	[ENCLOSURE]	_____
B.8.6	[DEMOLITION]	_____
B.8.7	[GLOVEBAG]	_____
B.8.8	[ASP. ROOFING]	_____

C). Are you requesting any waivers to the above selected B.8 procedure for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the waivers requested you are proposing to utilize. All items must be keyed to the specific section(s) of the regulations for which waivers are requested.

D). Are you proposing alternative procedures under B.11 for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the alternate procedures requested you are proposing to utilize. Alternate procedures must include a justification for not following specific section(s) of the regulations and be as protective of public health.

E). Will any RACM remain in this area after abatement?

Yes No Beyond scope of inspection

If Yes, attach a description of the RACM that will remain and the details of the on-going Operations and Maintenance Plan that will be implemented in accordance with C.1.2(b).

AGENCY USE ONLY

ATTACHMENT #1

ASB-16-17A-D

In Process and Clearance Air Sampling

- A. RI Analytical will collect at a minimum, one compliance air sample outside the containment area daily for the duration of asbestos removal operations inside this building. The sample will be collected outside the decontamination unit.
- B. Any deviation in proper procedures on the part of the contractor shall be reported to the building owner. This includes inadequate paperwork on site, disagreement and/or any deviation from previously outlined work procedures, or if compliance samples in the work area vicinity exceed 0.01 f/cc. The contractor's work shall then be stopped, without repercussion to the building owner or the project-monitoring firm until any conflicts and/or problems have been resolved.
- C. After Areas 1 & 2 have passed the consultant's visual inspection he or his authorized representative on site shall collect the following aggressive clearance air samples;

After the encapsulant has been allowed to dry, the consultant, or his authorized representative, shall aggressively collect air samples to be analyzed via Transmission Electron Microscopy (TEM). In each homogeneous work area, a minimum of five (5) TEM samples inside each area, five (5) TEM air samples outside the area, and three (3) blanks shall be collected and analyzed per AHERA 40 CFR Part 763. The project shall be considered complete when the results of samples collected in the work area and analyzed by transmission electron microscopy (TEM) using the most current National Institute for Occupational Safety and Health (NIOSH) Method 7400, to show that concentration of fibers for each of the samples is less than or equal to a limit of quantification for TEM (less than 70.0 s/mm².)

A visual inspection will be conducted by RI Analytical, a third party, RI Licensed Asbestos Inspector/Project Monitor for the removal of all asbestos materials identified for removal within this plan.

- D. If clearance monitoring after clean-up results in fiber concentrations in excess of the RI rules and regulation clearance air requirements, the project area shall be wet-cleaned, misted with water, and encapsulated with a liquid encapsulant. A period of no less than 24 hours shall elapse before the next set of clearance air samples can be collected. The sampling process shall be repeated until a satisfactory clearance air level is attained.

The asbestos contractor is held responsible for any costs associated with the re-cleaning and re-sampling of an area should any clearance air samples exceed 70 s/mm² by TEM. This is more stringent than the EPA AHERA TEM clearance criteria which allows the five averaged samples to be <70 s/mm²

ATTACHMENT #2

ASB-16A-2

Description of Asbestos Containing Material

Nathanael Greene Elementary Sample Chart

Sample #	Material	Location	Asbestos %	Quantity
01A-E	Ceiling Skim Coat	Room 302, 3 rd Floor Hallway, 2 nd Floor Hallway, Principals Office, Room 105	Negative	--
02A-E	Ceiling Plaster		Negative	--
03A	2x4 Ceiling Tile	Principal's Office/Room 208	1-5% Chrysotile	300 sf/655 sf (955 sf Total)
03B	2x4 Ceiling Tile	Room 105	Negative	--
04	Pipe Insulation	Room 105 – Above Drop Ceiling	Negative	--

The ceiling tiles in room 208 have tested negative for asbestos. However, due to their identical appearance to the ceiling tiles tested in the Principal's Office, they shall be treated as an asbestos containing material.

It is the contractor's responsibility to verify all quantities.

ATTACHMENT #2 (Cont.)

Laboratory Analysis Reports:

1. Bulk Sampling Results
2. Pre-Abatement Air Samples



CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Attn: Mr. Chad Prescott
41 Illinois Avenue
Warwick, RI 02888

Date Received: 5/29/2013
Date Reported: 5/29/2013
Work Order #: 1305-11045

Site Location: PROJECT #130356B PAWTUCKET SCHOOLS NATHANAEL GREENE ELEM.

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

METHODOLOGY: Polarized Light Microscopy (PLM) as suggested by EPA/600/R-93/116, July 1993 edition.

If the samples are found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the samples will be homogenized and a single result will be provided for the entire sample.

Sample results pertain only to items tested. The report must not be reproduced except in full with permission of R.I. Analytical. Samples submitted for analysis will be retained for three months for your future reference.

Our laboratory maintains NVLAP accreditation for bulk asbestos fiber analysis NVLAP lab code 101440-0.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.

Approved by:



Data Reporting

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 5/29/2013

Work Order #: 1305-11045

Site Location: PROJECT #130356B PAWTUCKET SCHOOLS NATHANAEL GREENE ELEM.

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
001	01A: CEILING SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	White	5/29/2013	EDN
002	01B: CEILING SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	White	5/29/2013	EDN
003	01C: CEILING SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	White	5/29/2013	EDN
004	01D: CEILING SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	Beige	5/29/2013	EDN
005	01E: CEILING SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	White	5/29/2013	EDN
006	02A: CEILING PLASTER	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	Gray	5/29/2013	EDN

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 5/29/2013

Work Order #: 1305-11045

Site Location: PROJECT #130356B PAWTUCKET SCHOOLS NATHANAEL GREENE ELEM.

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
007	02B: CEILING PLASTER	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	Gray	5/29/2013	EDN
008	02C: CEILING PLASTER	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	Gray	5/29/2013	EDN
009	02D: CEILING PLASTER	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	Gray	5/29/2013	EDN
010	02E: CEILING PLASTER	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	Gray	5/29/2013	EDN
011	03A: 2X4 CT	PLM Fiber Analysis			
		Asbestos	POSITIVE	5/29/2013	EDN
		Chrysotile	1-5 %	5/29/2013	EDN
		Glass Fiber	40-60 %	5/29/2013	EDN
		Non-fibrous	35-60 %	5/29/2013	EDN
		Sample Color	Gray	5/29/2013	EDN
012	03B: 2X4 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Glass Fiber	5-15 %	5/29/2013	EDN
		Non-fibrous	85-95 %	5/29/2013	EDN
		Sample Color	Gray	5/29/2013	EDN

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 5/29/2013

Work Order #: 1305-11045

Site Location: PROJECT #130356B PAWTUCKET SCHOOLS NATHANAEL GREENE ELEM.

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
013	04: PIPE INSULATION	PLM Fiber Analysis			
		Asbestos	NEGATIVE	5/29/2013	EDN
		Non-fibrous	100 %	5/29/2013	EDN
		Sample Color	Brown	5/29/2013	EDN

Project #130356B
 Pawtucket Schools
 Nathanael Greene
 Elementary School



CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Attn: Mr. Doug Stevenson
41 Illinois Avenue
Warwick, RI 02888

Date Received: 6/4/13
Date Reported: 6/4/13
Work Order #: 1306-11453

PROJECT #130356B NATHANIEL GREENE ELEM. POST-CONST. AIR

Dear: Mr. Doug Stevenson

Attached please find the results of sample(s) analyzed for fiber concentration in fibers/cc.

METHODOLOGY: Phase contrast Microscopy, utilizing NIOSH Manual of Analytical Methods,
U.S. Department of Health and Human Services 3rd, as revised May 15, 1989.

QUANTIFICATION LIMIT: Is the sensitivity of this method, based on 10 fibers per graticule fields.
The graticule field area is 0.00777 square millimeters.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.

Approved by:

Data Reporting

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Sample collected by RIAL personnel on 06/03/2013

Work Order #: 1306-11453

Site Location: PROJECT #130356B NATHANIEL GREENE ELEM. POST-CONST. AIR

<u>SAMPLE #</u>	<u>IDENTIFICATION:</u>	<u>REPORTED VOLUME (L)</u>	<u>FIBER DENSITY FIBER/SQUARE MM</u>	<u>Q.L. F/CC</u>	<u>CONC. F/CC</u>
001	01: 3RD FLOOR HALLWAY	1200	<12.9	0.004	<0.004
002	02: ROOM 304	1200	<12.9	0.004	<0.004
003	03: ROOM 311	1200	<12.9	0.004	<0.004
004	04: 2ND FLOOR HALLWAY	1200	<12.9	0.004	<0.004
005	05: ROOM 208	1200	<12.9	0.004	<0.004
006	06: PRINCIPLE'S OFFICE	1200	<12.9	0.004	<0.004
007	07: 1ST FLOOR HALLWAY	1200	<12.9	0.004	<0.004
008	08: ROOM 109	1200	<12.9	0.004	<0.004
009	BLANK		<12.9		
010	BLANK		<12.9		

Project #130356B

Nathaniel Greene Elementary

Post-Construction Air Samples

Laboratory blank samples fall within acceptable limits of method.

ATTACHMENT #3

Interim Operations & Maintenance Plan

The contractors, maintenance personnel and staff associated with Nathaniel Greene Elementary School are aware of the presence and location of ACM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

1. Notification

All building occupants, also any contractors entering the building and/or premises to perform work, shall be notified of the presence and location of asbestos-containing material(s) and cautioned regarding disturbance of the material(s). Also, the building occupants must be notified regarding the occurrence of asbestos abatement activities. If an emergency fiber release occurs, the following procedures shall be initiated.

2. Fiber Release Episodes

A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 3 linear feet or 3 square feet of material), trained maintenance staff may perform the cleaning. Access to the area shall be restricted during clean up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 3 linear feet or 3 square feet of ACM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

3. Training

Any employee who, because of their work, may disturb asbestos-containing material shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the building occupants shall be followed for any operations and maintenance activities disturbing or involving ACM.

ATTACHMENT #4

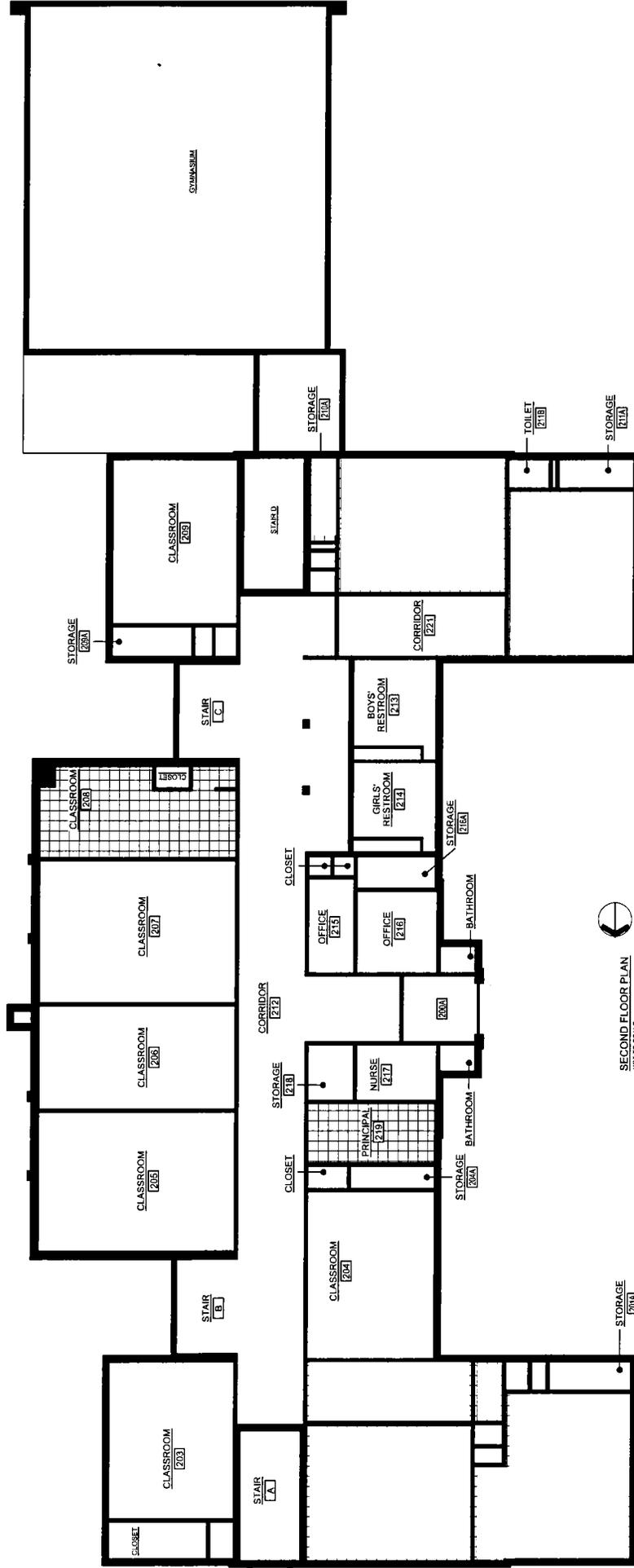
Scope of Work / Description of Waivers

All proper OSHA, federal, state, and local safety regulations shall be followed.

All interior materials will be abated utilizing B8.2 and B.8.3 work procedures.

The asbestos contractor is held responsible for any costs associated with the re-cleaning and re-sampling of an area should any clearance air samples exceed 70 s/mm² by TEM.

Note: Hatched Rooms are to have Asbestos Containing Ceiling Tiles Abated



RHODE ISLAND DEPARTMENT OF HEALTH

NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

Facility: Pawtucket Public Schools – Slater Junior High School

Address: 281 Mineral spring avenue

City/Town: Pawtucket

Zip: 02860

Amendment Phase No:

Abatement Plan Written By: Daniel J. Simas

Certification No: AAC-567-PD

Summary of specific waivers/variances being requested: See Attachment #4

Type of Asbestos Abatement (X) Removal () Enclosure () Encapsulation
() Demolition () Glovebag () Asphalt Roofing
() Other (specify) _____

Is this plan being submitted in response to a Notice of Violation and/or a Notice of Requirement to Submit an Asbestos Abatement Plan? () Yes (X) No

If yes, Indicate Notice/Building Evaluation No(s):

Contractor: TBD

License No:

Estimated Starting Date: 8/12/2013

Pre-Abatement Sampling Information

Bulk Samples Collected By: Ernest Quackenbush

Certification No: AAC-0775-IS

Bulk Samples Analyzed By: RI Analytical Laboratories Inc.

Certification No: AAL-008C3

Air Samples Analyzed By: RI Analytical Laboratories Inc

Certification No: AAL-008C3

Clearance Air Sampling Information

Air Samples to be Collected By: RIAL

Air Samples to be Analyzed By: RIAL

Certification No: AAL-008C3

CERTIFICATION

I certify that: this asbestos abatement plan is prepared and submitted under the provisions of Section 23-24.5-6 of the RI Asbestos Control Act and Parts A and C of the RI Rules and Regulations for Asbestos Control; all abatement/management activities performed in conjunction with this plan must be in compliance with the specifications prescribed in this plan (when approved) and the most current revision of all applicable federal and state regulations; and the asbestos abatement/management activities described in this plan must be performed by a RI licensed asbestos abatement contractor.

Certified by: _____ Title: _____
(Signature of Building Owner or Agent)

_____, Date: _____
(Typed/Printed Name of Certifier)

Subscribed and sworn before me this _____ day of _____, 20_____

_____, My Commission Expires: _____

(Notary Public)

AFFIX NOTARY SEAL HERE

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1. Building Owner's Name:
Pawtucket Public Schools

2. Application Prepared By:
Daniel J. Simas

RI certification No: **AAC-567-PD**

Telephone No: **401-737-8500 ext 121**
(Area code, No., Ext.)

3. Building Owner's Mailing Address and Telephone Number:

Street: **286 Main Street**

City/Town: **Pawtucket**

Zip: **02860**

Telephone No.: **401-729-6300**

(Area Code, No., Ext.)

4. Person to be contacted regarding this application:

Name: **Dennis Rebelo**

Telephone No: **401-729-6350**

(Area Code, No., Ext.)

5. Location where abatement work will be performed:

Name (if applicable): **Slater Junior High School**

Street: **281 Mineral Spring Avenue**

City/Town: **Pawtucket**

Zip: **02860**

6. Is this application being submitted in response to a "Notice of Requirement to Submit an Asbestos Abatement plan"? () Yes (X) No

If Yes, what is the due date for submittal of Abatement plan? _____
(Mo.) (Day) (Yr.)

Evaluation Number on the Notice: _____

7. Contractor who will be performing abatement work (if selected):

Name: **TBD**

R.I. License No.:

14. Pre-Abatement Air Sample Collection and Analysis:

A). Person collecting pre-abatement air samples:

Name: **RI Analytical Personnel**

Affiliation: **RIAL**

B). Laboratory performing analysis of pre-abatement air samples.

Name: **RI Analytical Laboratories**

RI Certification No.: **AAL-008C3**

C). Methodology used in the collection and analysis of pre-abatement samples:

NIOSH Method 7400 [Most Current Revision]

OSHA 29 CFR 1926.1101 – Appendix A & B

Other (Specify)

-
15. A. Indicate how the regulated asbestos containing material (RACM) will be removed from the abatement site. If a hauler or broker will be used to transport the RACM to a disposal site, they must also be identified.

To be determined

- B. Provide the name and location of the authorized asbestos waste facility to which the removed material will be transferred for disposal (if known).

To be determined

-
16. Person designated as compliance monitor for abatement work. **[NOT REQUIRED]**

Name: **RI Analytical Personnel**

Affiliation: **RIAL**

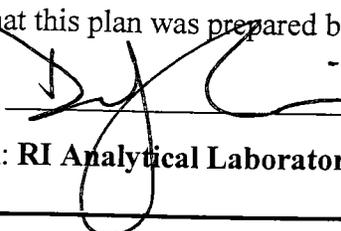
17. In-Process & Clearance Air Sampling: **See Attachment #1**

- A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
- B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
- C. Describe on an attachment the type, number and location of air samples that will be collected as part of the final clearance testing.
- D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.

18. A separate and fully completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 – Cafeteria

19. I certify that this plan was prepared by me and I am responsible for its content.

Signature:  Date 7/25/13
(Month) (Day) (Year)

Affiliation: **RI Analytical Laboratories, Inc**

20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

- () Operation & Maintenance Only \$ 75
- () Up to One (1) NESHAP Unit \$ 75
- () Between One (1) & Ten (10) NESHAP Units \$ 300
- (X) Between Ten (10) & Fifty (50) NESHAP Units \$ 600
- () Over Fifty (50) NESHAP Units \$ 900
- () Amendment fee \$150

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: **281 Mineral Spring Avenue**

INSTRUCTIONS: All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification (Room Name/No., Evaluation Number, etc.):

Area 1 – Cafeteria

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

Refer to Attached Building Drawing

(4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

Refer to Attachment #3

(4) PROPOSED REMEDIES (cont.):

B). Will any portion of this area be abated by use of B.8 work procedures?

Yes No

If Yes, indicate below which RACM in this area will be abated by use of the following B.8 work procedures:

B.8.2 & B.8.3	[REMOVAL]	1x1 CT w/glue, TSI
B.8.2 & B.8.4	[ENCAPSULATION]	_____
B.8.2 & B.8.5	[ENCLOSURE]	_____
B.8.6	[DEMOLITION]	_____
B.8.7	[GLOVEBAG]	_____
B.8.8	[ASP. ROOFING]	_____

C). Are you requesting any waivers to the above selected B.8 procedure for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the waivers requested you are proposing to utilize. All items must be keyed to the specific section(s) of the regulations for which waivers are requested.

D). Are you proposing alternative procedures under B.11 for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the alternate procedures requested you are proposing to utilize. Alternate procedures must include a justification for not following specific section(s) of the regulations and be as protective of public health.

E). Will any RACM remain in this area after abatement?

Yes No Beyond scope of inspection

If Yes, attach a description of the RACM that will remain and the details of the on-going Operations and Maintenance Plan that will be implemented in accordance with C.1.2(b).

AGENCY USE ONLY

ATTACHMENT #1

ASB-16-17A-D

In Process and Clearance Air Sampling

- A. RI Analytical will collect at a minimum, one compliance air sample outside the containment area daily for the duration of asbestos removal operations inside this building. The sample will be collected outside the decontamination unit.
- B. Any deviation in proper procedures on the part of the contractor shall be reported to the building owner. This includes inadequate paperwork on site, disagreement and/or any deviation from previously outlined work procedures, or if compliance samples in the work area vicinity exceed 0.01 f/cc. The contractor's work shall then be stopped, without repercussion to the building owner or the project-monitoring firm until any conflicts and/or problems have been resolved.
- C. After the areas have passed the consultant's visual inspection he or his authorized representative on site shall collect the following aggressive clearance air samples;

If ACM within the asbestos containment exceeds 160 square feet or 260 linear feet the following clearance criteria is required as a minimum: After the encapsulant has been allowed to dry, the consultant, or his authorized representative, shall aggressively collect air samples to be analyzed via Transmission Electron Microscopy (TEM). In each homogeneous work area, a minimum of five (5) TEM samples inside each area, five (5) TEM air samples outside the area, and three (3) blanks shall be collected and analyzed per AHERA 40 CFR Part 763. The project shall be considered complete when the results of samples collected in the work area and analyzed by transmission electron microscopy (TEM) using the most current National Institute for Occupational Safety and Health (NIOSH) Method 7400, to show that concentration of fibers for each of the samples is less than or equal to a limit of quantification for TEM (less than 70.0 s/mm².)

If ACM within the asbestos containment is less than 160 square feet or 260 linear feet the following clearance criteria is required at a minimum: After the encapsulant has been allowed to dry, the consultant, or his authorized representative, shall aggressively collect air samples to be analyzed via Phase Contrast Microscopy (PCM). In each homogeneous work area a minimum of five (5) PCM samples will be collected and analyzed per AHERA 40 CFR Part 763. The project shall be considered complete when the results of samples collected in the work area and analyzed by phase contrast microscopy (PCM) using the most current National Institute for Occupational Safety and Health (NIOSH) Method 7400, to show that concentration of fibers for each of the five samples is less than or equal to a limit of quantification for PCM (0.010 fibers per cubic centimeter (0.010 f/cc) of air).

A visual inspection will be conducted by RI Analytical, a third party, RI Licensed Asbestos Inspector/Project Monitor for the removal of all asbestos materials identified for removal within this plan.

- D. If clearance monitoring after clean-up results in fiber concentrations in excess of the RI rules and regulation clearance air requirements, the project area shall be wet-cleaned, misted with water, and encapsulated with a liquid encapsulant. A period of no less than 24 hours shall elapse before the next set of clearance air samples can be collected. The sampling process shall be repeated until a satisfactory clearance air level is attained.

The asbestos contractor is held responsible for any costs associated with the re-cleaning and re-sampling of an area should any clearance air samples exceed 70 s/mm² by TEM or 0.01 f/cc by PCM. This is more stringent than the EPA AHERA TEM clearance criteria which allows the five averaged samples to be <70 s/mm²

ATTACHMENT #2

ASB-16A-2

Description of Asbestos Containing Material

Asbestos Sample Chart

<i>Sample Number</i>	<i>Description</i>	<i>Location</i>	<i>Asbestos %</i>	<i>Quantity</i>
Work Order # 1307-15113				
001-003	1x1 CT & Associated Glue Dots	Cafeteria	1-5% Chrysotile	4,050 sf
004-011	Hard Plaster Ceilings (Base & Skim Coats)	Throughout Surveyed Locations	Negative	--
012	1x1 Suspended Ceiling Tile	Rooms 251, 252, 253 & 262	Negative	--
013-014	2x4 CT	Rooms 361, 364, 372 & 373	Negative	--
015	2x4 CT	Rooms 105, 107, 108, 111, 112, 113 & 114	Negative	
016	2x\$ CT		Negative	
Assumed	TSI	Above Plaster Ceiling - Cafeteria	Assumed	250 lf

Contractor is responsible for cutting access holes in cafeteria ceiling prior to conducting clearances. Refer to Attachment # 4.

It is the contractor's responsibility to verify all quantities.

ATTACHMENT #2 (Cont.)

Laboratory Analysis Reports:

1. Bulk Sampling Results
2. Pre-Abatement Air Samples



CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Attn: Mr. Ernie Quackenbush
41 Illinois Avenue
Warwick, RI 02888

Date Received: 7/17/2013
Date Reported: 7/18/2013
Work Order #: 1307-15113

Site Location: PROJECT #130472 EDWARD ROWSE ARCHITECTS SLATER JUNIOR HIGH

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

METHODOLOGY: Polarized Light Microscopy (PLM) as suggested by EPA/600/R-93/116, July 1993 edition.

If the samples are found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the samples will be homogenized and a single result will be provided for the entire sample.

Sample results pertain only to items tested. The report must not be reproduced except in full with permission of R.I. Analytical. Samples submitted for analysis will be retained for three months for your future reference.

Our laboratory maintains NVLAP accreditation for bulk asbestos fiber analysis NVLAP lab code 101440-0.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.

Approved by:

Data Reporting

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/17/2013

Work Order #: 1307-15113

Site Location: PROJECT #130472 EDWARD ROWSE ARCHITECTS SLATER JUNIOR HIGH

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
001	001: 1 X 1 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Tan	7/18/2013	EVH
002	002A: GLUE DOT	PLM Fiber Analysis			
		Asbestos	POSITIVE	7/18/2013	EVH
		Chrysotile	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
		Sample Color	Brown	7/18/2013	EVH
003	002B: GLUE DOT	PLM Fiber Analysis			
	+ STOP TO 002A				
004	003A: PLASTER CEILING - SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	White	7/18/2013	EVH
005	003B: PLASTER CEILING - SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	White	7/18/2013	EVH
006	003C: PLASTER CEILING - SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	White	7/18/2013	EVH
007	003D: PLASTER CEILING - SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	White	7/18/2013	EVH

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/17/2013

Work Order #: 1307-15113

Site Location: PROJECT #130472 EDWARD ROWSE ARCHITECTS SLATER JUNIOR HIGH

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
008	004A: PLASTER CEILING - BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
009	004B: PLASTER CEILING - BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
010	004C: PLASTER CEILING - BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
011	004D: PLASTER CEILING - BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
012	005: 1 X 1 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Glass Fiber	15-25 %	7/18/2013	EVH
		Non-fibrous	75-85 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
013	006A: 2 X 4 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Glass Fiber	15-25 %	7/18/2013	EVH
		Non-fibrous	75-85 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/17/2013

Work Order #: 1307-15113

Site Location: PROJECT #130472 EDWARD ROWSE ARCHITECTS SLATER JUNIOR HIGH

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
014	006B: 2 X 4 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Glass Fiber	40-60 %	7/18/2013	EVH
		Non-fibrous	40-60 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
015	007: 2 X 4 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Tan	7/18/2013	EVH
016	008: 2 X 4 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Glass Fiber	40-60 %	7/18/2013	EVH
		Non-fibrous	40-60 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH

Project #130472
Edward Rowse Architects
Slater Junior High

ATTACHMENT #3

Interim Operations & Maintenance Plan

The contractors, maintenance personnel and staff associated with Slater Junior High School are aware of the presence and location of ACBM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

1. Notification

All building occupants, also any contractors entering the building and/or premises to perform work, shall be notified of the presence and location of asbestos-containing material(s) and cautioned regarding disturbance of the material(s). Also, the building occupants must be notified regarding the occurrence of asbestos abatement activities. If an emergency fiber release occurs, the following procedures shall be initiated.

2. Fiber Release Episodes

A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 3 linear feet or 3 square feet of material), trained maintenance staff may perform the cleaning. Access to the area shall be restricted during clean up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 3 linear feet or 3 square feet of ACBM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

3. Training

Any employee who, because of their work, may disturb asbestos- containing material shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the building occupants shall be followed for any operations and maintenance activities disturbing or involving ACBM.

ATTACHMENT #4

Scope of Work / Description of Waivers

All proper OSHA, federal, state, and local safety regulations shall be followed.

All interior materials will be abated utilizing B8.2 and B.8.3 work procedures.

It is currently unknown if asbestos containing TSI exists above the hard plaster ceiling in the cafeteria. Prior to conducting clearance air sampling, the contractor shall cut access points through the ceiling plaster in an attempt to verify the presence and condition of potential TSI. The number of access points will be limited to the number for which an accurate verification can be made. Plaster debris generated from this process shall be disposed of as asbestos contaminated waste. If no asbestos debris is identified above the plaster ceilings, ceiling demolition can be performed outside of B8.2 and B8.3 procedures following successful completion of the clearance criteria (refer to Attachment # 1).

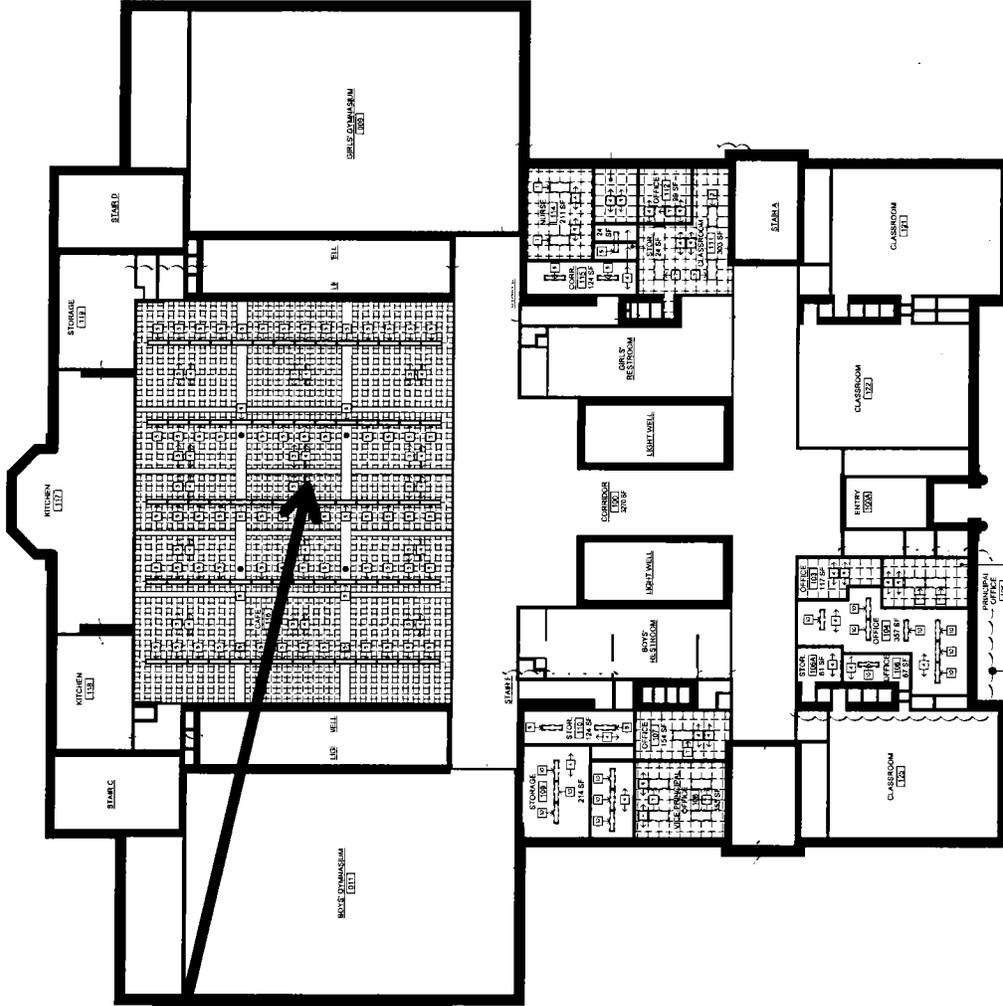
The asbestos contractor is held responsible for any costs associated with the re-cleaning and re-sampling of an area should any clearance air samples exceed 70 s/mm² by TEM.

Samuel Slater
Junior High School
281 MINERAL SPRING AVENUE

PAWTUCKET SCHOOL DEPARTMENT
PAWTUCKET, RHODE ISLAND

D1.02

DOMINGUEZ 01/22 3 OF 3



**Cafeteria w/Asbestos
Glue on Negative Plaster
Containing 1x1 CT &
Asbesto Containing
TSI above Plaster**

FIRST FLOOR REFLECTED CEILING PLAN
3/22 * 1/23
ANG. BY WORK RESERVED
PUNTY
PUNTY

RHODE ISLAND DEPARTMENT OF HEALTH

NOTARIZED CERTIFICATION OF ASBESTOS ABATEMENT PLAN

Facility: Pawtucket Public Schools – Shea High School

Address: 485 East Avenue

City/Town: Pawtucket

Zip: 02860

Amendment Phase No:

Abatement Plan Written By: Daniel J. Simas

Certification No: AAC-567-PD

Summary of specific waivers/variances being requested: See Attachment #4

Type of Asbestos Abatement (X) Removal () Enclosure () Encapsulation () Demolition () Glovebag () Asphalt Roofing () Other (specify) _____

Is this plan being submitted in response to a Notice of Violation and/or a Notice of Requirement to Submit an Asbestos Abatement Plan? () Yes (X) No

If yes, Indicate Notice/Building Evaluation No(s):

Contractor: TBD

License No:

Estimated Starting Date: 8/12/2013

Pre-Abatement Sampling Information

Bulk Samples Collected By: Ernest Quackenbush

Certification No: AAC-0775-IS

Bulk Samples Analyzed By: RI Analytical Laboratories Inc.

Certification No: AAL-008C3

Air Samples Analyzed By: RI Analytical Laboratories Inc

Certification No: AAL-008C3

Clearance Air Sampling Information

Air Samples to be Collected By: RIAL

Air Samples to be Analyzed By: RIAL

Certification No: AAL-008C3

CERTIFICATION

I certify that: this asbestos abatement plan is prepared and submitted under the provisions of Section 23-24.5-6 of the RI Asbestos Control Act and Parts A and C of the RI Rules and Regulations for Asbestos Control; all abatement/management activities performed in conjunction with this plan must be in compliance with the specifications prescribed in this plan (when approved) and the most current revision of all applicable federal and state regulations; and the asbestos abatement/management activities described in this plan must be performed by a RI licensed asbestos abatement contractor.

Certified by: _____ Title: _____ (Signature of Building Owner or Agent)

_____ Date: _____ (Typed/Printed Name of Certifier)

Subscribed and sworn before me this _____ day of _____, 20_____

_____ My Commission Expires: _____

(Notary Public)

AFFIX NOTARY SEAL HERE

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

1. Building Owner's Name:
Pawtucket Public Schools

2. Application Prepared By:
Daniel J. Simas

RI certification No: **AAC-567-PD**

Telephone No: **401-737-8500 ext 121**
(Area code, No., Ext.)

3. Building Owner's Mailing Address and Telephone Number:

Street: **286 Main Street**

City/Town: **Pawtucket**

Zip: **02860**

Telephone No.: **401-729-6300**

(Area Code, No., Ext.)

4. Person to be contacted regarding this application:

Name: **Dennis Rebelo**

Telephone No: **401-729-6350**

(Area Code, No., Ext.)

5. Location where abatement work will be performed:

Name (if applicable): **Shea High School**

Street: **485 East Avenue**

City/Town: **Pawtucket**

Zip: **02860**

6. Is this application being submitted in response to a "Notice of Requirement to Submit an Asbestos Abatement plan"? () Yes (X) No

If Yes, what is the due date for submittal of Abatement plan? _____
(Mo.) (Day) (Yr.)

Evaluation Number on the Notice: _____

7. Contractor who will be performing abatement work (if selected):

Name: **TBD**

R.I. License No.:

14. Pre-Abatement Air Sample Collection and Analysis:

A). Person collecting pre-abatement air samples:

Name: **RI Analytical Personnel**

Affiliation: **RIAL**

B). Laboratory performing analysis of pre-abatement air samples.

Name: **RI Analytical Laboratories**

RI Certification No.: **AAL-008C3**

C). Methodology used in the collection and analysis of pre-abatement samples:

NIOSH Method 7400 [Most Current Revision]

OSHA 29 CFR 1926.1101 – Appendix A & B

Other (Specify)

15. A. Indicate how the regulated asbestos containing material (RACM) will be removed from the abatement site. If a hauler or broker will be used to transport the RACM to a disposal site, they must also be identified.

To be determined

B. Provide the name and location of the authorized asbestos waste facility to which the removed material will be transferred for disposal (if known).

To be determined

16. Person designated as compliance monitor for abatement work. **[NOT REQUIRED]**

Name: **RI Analytical Personnel**

Affiliation: **RIAL**

17. In-Process & Clearance Air Sampling: **See Attachment #1**

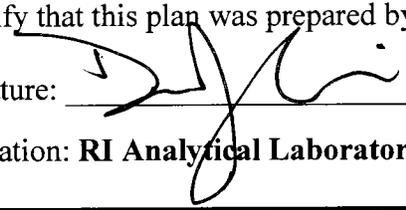
- A. Describe on an attachment the type, number and location of air samples that will be collected outside the work area during the abatement project.
- B. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fibers per cubic centimeter) is exceeded outside the work area during the abatement project.
- C. Describe on an attachment the type, number and location of air samples that will be collected as part of the final clearance testing.
- D. Describe on an attachment the plan of action to be followed if the Indoor Non-Occupational Air Exposure Standard for Asbestos (0.01 fiber per cubic centimeter) is exceed during final clearance testing.

18. A separate and fully completed Form ASB-16A must be submitted for each area to be abated. List below the entry in Item 1 from each attached ASB-16A.

Area 1 – Cafeteria
Area 2 – Room 135

19. I certify that this plan was prepared by me and I am responsible for its content.

Signature: _____



Date _____

7/25/13
(Month) (Day) (Year)

Affiliation: **RI Analytical Laboratories, Inc**

20. ASBESTOS ABATEMENT PLAN APPLICATION FEE:

- | | |
|--|--------|
| () Operation & Maintenance Only | \$ 75 |
| () Up to One (1) NESHAP Unit | \$ 75 |
| () Between One (1) & Ten (10) NESHAP Units | \$ 300 |
| (X) Between Ten (10) & Fifty (50) NESHAP Units | \$ 600 |
| () Over Fifty (50) NESHAP Units | \$ 900 |
| () Amendment fee | \$150 |

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: 485 East Avenue, Pawtucket

INSTRUCTIONS: All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

- (1) Area Location/Identification (Room Name/No., Evaluation Number, etc.):

Area 1 – Cafeteria

- (2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

Refer to Attachment #2

- (3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

Refer to Attached Building Drawing

- (4) PROPOSED REMEDIES:

- A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

Refer to Attachment #3

(4) PROPOSED REMEDIES (cont.):

B). Will any portion of this area be abated by use of B.8 work procedures?

Yes No

If Yes, indicate below which RACM in this area will be abated by use of the following B.8 work procedures:

B.8.2 & B.8.3	[REMOVAL]	1x1 CT w/glue
B.8.2 & B.8.4	[ENCAPSULATION]	_____
B.8.2 & B.8.5	[ENCLOSURE]	_____
B.8.6	[DEMOLITION]	_____
B.8.7	[GLOVEBAG]	_____
B.8.8	[ASP. ROOFING]	_____

C). Are you requesting any waivers to the above selected B.8 procedure for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the waivers requested you are proposing to utilize. All items must be keyed to the specific section(s) of the regulations for which waivers are requested.

D). Are you proposing alternative procedures under B.11 for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the alternate procedures requested you are proposing to utilize. Alternate procedures must include a justification for not following specific section(s) of the regulations and be as protective of public health.

E). Will any RACM remain in this area after abatement?

Yes No Beyond scope of inspection

If Yes, attach a description of the RACM that will remain and the details of the on-going Operations and Maintenance Plan that will be implemented in accordance with C.1.2(b).

AGENCY USE ONLY

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Health

Office of Occupational & Radiological Health

APPLICATION FOR APPROVAL OF AN ASBESTOS ABATEMENT PLAN

SUPPLEMENTAL INFORMATION: AREA DESCRIPTION AND PROPOSED REMEDY

BUILDING LOCATION: **485 East Avenue, Pawtucket**

INSTRUCTIONS: All items on this form must be addressed. All references to attachments must be clearly identified. All attachments must be marked with the specific item numbers on this form to which they pertain.

(1) Area Location/Identification (Room Name/No., Evaluation Number, etc.):

Area 2 – Room 135

(2) Attach a description of each type (e.g. pipe, ceiling, etc.) of regulated asbestos containing material (RACM) in this area, including condition, location, quantity and asbestos content. Attach a copy of the laboratory report(s) for all samples. (NOTE: All laboratory reports must include the name of the building(s) and the location(s) of the sample(s).

Refer to Attachment #2

(3) Attach a current scale drawing of this area, showing direction of North and East, which has been clearly annotated to show the type, location and quantity of all RACM in this area. This drawing must include a legend which acts as a guide to the scale, symbols and nomenclature used in the drawing. If a master plan or multiple drawings are provided, indicate the specific location(s) and drawing number(s) which depict this area. The location of the decontamination chamber must also be so indicated on the appropriate drawing(s).

Refer to Attached Building Drawing

(4) PROPOSED REMEDIES:

A). Attach a description of the interim Operations and Maintenance Plan that will be implemented in accordance with C.1.2 (b).

Refer to Attachment #3

(4) PROPOSED REMEDIES (cont.):

B). Will any portion of this area be abated by use of B.8 work procedures?

Yes No

If Yes, indicate below which RACM in this area will be abated by use of the following B.8 work procedures:

B.8.2 & B.8.3	[REMOVAL]	Plaster Ceiling, TSI
B.8.2 & B.8.4	[ENCAPSULATION]	_____
B.8.2 & B.8.5	[ENCLOSURE]	_____
B.8.6	[DEMOLITION]	_____
B.8.7	[GLOVEBAG]	_____
B.8.8	[ASP. ROOFING]	_____

C). Are you requesting any waivers to the above selected B.8 procedure for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the waivers requested you are proposing to utilize. All items must be keyed to the specific section(s) of the regulations for which waivers are requested.

D). Are you proposing alternative procedures under B.11 for any of the abatement activities in this area?

Yes No

If yes, attach a detailed description of the alternate procedures requested you are proposing to utilize. Alternate procedures must include a justification for not following specific section(s) of the regulations and be as protective of public health.

E). Will any RACM remain in this area after abatement?

Yes No Beyond scope of inspection

If Yes, attach a description of the RACM that will remain and the details of the on-going Operations and Maintenance Plan that will be implemented in accordance with C.1.2(b).

AGENCY USE ONLY

ATTACHMENT #1

ASB-16-17A-D

In Process and Clearance Air Sampling

- A. RI Analytical will collect at a minimum, one compliance air sample outside the containment area daily for the duration of asbestos removal operations inside this building. The sample will be collected outside the decontamination unit.
- B. Any deviation in proper procedures on the part of the contractor shall be reported to the building owner. This includes inadequate paperwork on site, disagreement and/or any deviation from previously outlined work procedures, or if compliance samples in the work area vicinity exceed 0.01 f/cc. The contractor's work shall then be stopped, without repercussion to the building owner or the project-monitoring firm until any conflicts and/or problems have been resolved.
- C. After the areas have passed the consultant's visual inspection he or his authorized representative on site shall collect the following aggressive clearance air samples;

If ACM within the asbestos containment exceeds 160 square feet or 260 linear feet the following clearance criteria is required as a minimum: After the encapsulant has been allowed to dry, the consultant, or his authorized representative, shall aggressively collect air samples to be analyzed via Transmission Electron Microscopy (TEM). In each homogeneous work area, a minimum of five (5) TEM samples inside each area, five (5) TEM air samples outside the area, and three (3) blanks shall be collected and analyzed per AHERA 40 CFR Part 763. The project shall be considered complete when the results of samples collected in the work area and analyzed by transmission electron microscopy (TEM) using the most current National Institute for Occupational Safety and Health (NIOSH) Method 7400, to show that concentration of fibers for each of the samples is less than or equal to a limit of quantification for TEM (less than 70.0 s/mm².)

If ACM within the asbestos containment is less than 160 square feet or 260 linear feet the following clearance criteria is required at a minimum: After the encapsulant has been allowed to dry, the consultant, or his authorized representative, shall aggressively collect air samples to be analyzed via Phase Contrast Microscopy (PCM). In each homogeneous work area a minimum of five (5) PCM samples will be collected and analyzed per AHERA 40 CFR Part 763. The project shall be considered complete when the results of samples collected in the work area and analyzed by phase contrast microscopy (PCM) using the most current National Institute for Occupational Safety and Health (NIOSH) Method 7400, to show that concentration of fibers for each of the five samples is less than or equal to a limit of quantification for PCM (0.010 fibers per cubic centimeter (0.010 f/cc) of air).

A visual inspection will be conducted by RI Analytical, a third party, RI Licensed Asbestos Inspector/Project Monitor for the removal of all asbestos materials identified for removal within this plan.

- D. If clearance monitoring after clean-up results in fiber concentrations in excess of the RI rules and regulation clearance air requirements, the project area shall be wet-cleaned, misted with water, and encapsulated with a liquid encapsulant. A period of no less than 24 hours shall elapse before the next set of clearance air samples can be collected. The sampling process shall be repeated until a satisfactory clearance air level is attained.

The asbestos contractor is held responsible for any costs associated with the re-cleaning and re-sampling of an area should any clearance air samples exceed 70 s/mm² by TEM or 0.01 f/cc by PCM. This is more stringent than the EPA AHERA TEM clearance criteria which allows the five averaged samples to be <70 s/mm²

ATTACHMENT #2

ASB-16A-2

Description of Asbestos Containing Material

Asbestos Sample Chart

Sample Number	Description	Location	Asbestos %	Quantity
Work Order # 1307-15114				
001-005	Soft Plaster Ceiling	Cafeteria	<1% Chrysotile*	--
006-007	1x1 Ceiling Tile & Associated Glue Dote	Cafeteria	5-15% Chrysotile	2,800 sf
008-013	Plaster Ceiling (All Layers)	Room 027A	Negative	--
014-015	1x1 CT	Pool Area (Upper & Lower Levels)	Negative	--
016-018	Ceiling Concrete	Pool Area (Upper & Lower Levels)	Negative	--
019	Column Material	Corridor 029	Negative	--
020-021	Glue Dots	Pool Area (Lower Level)	Negative	--
Work Order # 1307-15503				
001-008	Hard Plaster (skim & Base coats)	Rooms 133, 135 (Partial), 072 & 073	Negative	--
009-010	Ceiling Tile	Rooms 133 & 135	Negative	--
011-020	Soft Plaster Ceiling	Room 135, Cafeteria	1-5% Chrysotile	Room 135: 1,300 sf Cafeteria: Not in Scope
021	Tectum Ceiling Tiles	Gymnasium	Negative	--
Assumed	TSI	Above Plaster Ceiling – Room 135	Assumed	~150 lf

The plaster ceiling in the cafeteria initially yielded results of <1% asbestos. However, subsequent testing has determined that the material is asbestos containing (>1% asbestos).

Plaster Ceiling in the Cafeteria shall remain. Contractor is responsible for encapsulating any loose plaster within the containment. This includes divots caused by removing the ceiling tiles/glue dots and any pre-existing damage. Encapsulating material shall be Chil-Seal, Chil-Bridge or equivalent.

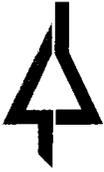
TSI has not been identified above the ceiling in room 135. TSI is being included in the event that it is discovered following ceiling demolition.

It is the contractor's responsibility to verify all quantities.

ATTACHMENT #2 (Cont.)

Laboratory Analysis Reports:

1. Bulk Sampling Results
2. Pre-Abatement Air Samples



CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Attn: Mr. Ernie Quackenbush
41 Illinois Avenue
Warwick, RI 02888

Date Received: 7/17/2013
Date Reported: 7/18/2013
Work Order #: 1307-15114

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

METHODOLOGY: Polarized Light Microscopy (PLM) as suggested by EPA/600/R-93/116, July 1993 edition.

If the samples are found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the samples will be homogenized and a single result will be provided for the entire sample.

Sample results pertain only to items tested. The report must not be reproduced except in full with permission of R.I. Analytical. Samples submitted for analysis will be retained for three months for your future reference.

Our laboratory maintains NVLAP accreditation for bulk asbestos fiber analysis NVLAP lab code 101440-0.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.

Approved by:

Data Reporting

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/17/2013

Work Order #: 1307-15114

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
001	001A: SOFT PLASTER CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Chrysotile	<1 %	7/18/2013	EVH
		Non-fibrous	>99 %	7/18/2013	EVH
		Sample Color	Beige	7/18/2013	EVH
002	001B: SOFT PLASTER CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Chrysotile	<1 %	7/18/2013	EVH
		Non-fibrous	>99 %	7/18/2013	EVH
		Sample Color	Beige	7/18/2013	EVH
003	001C: SOFT PLASTER CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Chrysotile	Trace %	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Beige	7/18/2013	EVH
004	002A: PLASTER CEILING - BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Cellulose	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
005	002B: PLASTER CEILING - BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Cellulose	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/17/2013

Work Order #: 1307-15114

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
006	003: 1 X 1 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Tan	7/18/2013	EVH
007	004: GLUE DOT	PLM Fiber Analysis			
		Asbestos	POSITIVE	7/18/2013	EVH
		Chrysotile	5-15 %	7/18/2013	EVH
		Non-fibrous	85-95 %	7/18/2013	EVH
008	005A: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	White	7/18/2013	EVH
009	005B: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	White	7/18/2013	EVH
010	005C: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Cellulose	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
011	006A: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/17/2013

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METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
012	006B: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
013	006C: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
014	007A: 1 X 1 CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Glass Fiber	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
015	007C: 1 X 1 CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Glass Fiber	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
016	008A: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Animal Hair	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
017	008B: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH

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CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/17/2013

Work Order #: 1307-15114

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
018	008C: CEILING	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Animal Hair	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
019	009: COLUMN	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Non-fibrous	100 %	7/18/2013	EVH
		Sample Color	Gray	7/18/2013	EVH
020	010A: GLUE DOT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Other	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
		Sample Color	Brown	7/18/2013	EVH
021	010B: GLUE DOT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/18/2013	EVH
		Other	1-5 %	7/18/2013	EVH
		Non-fibrous	95-99 %	7/18/2013	EVH
		Sample Color	Brown	7/18/2013	EVH

Project #130471
Edward Rowse Architects
Shea High School

CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Attn: Mr. Ernie Quackenbush
41 Illinois Avenue
Warwick, RI 02888

Date Received: 7/23/2013
Date Reported: 7/24/2013
Work Order #: 1307-15503

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

METHODOLOGY: Polarized Light Microscopy (PLM) as suggested by EPA/600/R-93/116, July 1993 edition.

If the samples are found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the samples will be homogenized and a single result will be provided for the entire sample.

Sample results pertain only to items tested. The report must not be reproduced except in full with permission of R.I. Analytical. Samples submitted for analysis will be retained for three months for your future reference.

Our laboratory maintains NVLAP accreditation for bulk asbestos fiber analysis NVLAP lab code 101440-0.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.

Approved by:



Data Reporting

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/23/2013

Work Order #: 1307-15503

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
001	001A: PLASTER-SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	White	7/24/2013	EVH
002	001B: PLASTER-SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	White	7/24/2013	EVH
003	001C: PLASTER-SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	White	7/24/2013	EVH
004	001D: PLASTER-SKIM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	White	7/24/2013	EVH
005	002A: PLASTER-BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	Gray	7/24/2013	EVH
006	002B: PLASTER-BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	Gray	7/24/2013	EVH

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/23/2013

Work Order #: 1307-15503

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
007	002C: PLASTER-BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	Gray	7/24/2013	EVH
008	002D: PLASTER-BASE	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	Gray	7/24/2013	EVH
009	003: CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Glass Fiber	15-25 %	7/24/2013	EVH
		Non-fibrous	75-85 %	7/24/2013	EVH
		Sample Color	Gray	7/24/2013	EVH
010	004: CT	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Glass Fiber	15-25 %	7/24/2013	EVH
		Non-fibrous	75-85 %	7/24/2013	EVH
		Sample Color	Gray	7/24/2013	EVH
011	005A: SOFT PLASTER	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Chrysotile	<1 %	7/24/2013	EVH
		Non-fibrous	>99 %	7/24/2013	EVH
		Sample Color	Beige	7/24/2013	EVH

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/23/2013

Work Order #: 1307-15503

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
012	005B: SOFT PLASTER	PLM Fiber Analysis			
		Asbestos	POSITIVE	7/24/2013	EVH
		Chrysotile	1-5 %	7/24/2013	EVH
		Non-fibrous	95-99 %	7/24/2013	EVH
		Sample Color	Beige	7/24/2013	EVH
+ STOP TO PREVIOUS SAMPLE					
013	005C: SOFT PLASTER	PLM Fiber Analysis			
+ STOP TO PREVIOUS SAMPLE					
014	005D: SOFT PLASTER	PLM Fiber Analysis			
+ STOP TO PREVIOUS SAMPLE					
015	005E: SOFT PLASTER	PLM Fiber Analysis			
+ STOP TO PREVIOUS SAMPLE					
016	006A: SOFT PLASTER-INNER LAYER	PLM Fiber Analysis			
		Asbestos	POSITIVE	7/24/2013	EVH
		Chrysotile	1-5 %	7/24/2013	EVH
		Non-fibrous	95-99 %	7/24/2013	EVH
		Sample Color	Beige	7/24/2013	EVH
017	006B: SOFT PLASTER-INNER LAYER	PLM Fiber Analysis			
+ STOP TO PREVIOUS SAMPLE					
018	006C: SOFT PLASTER-INNER LAYER	PLM Fiber Analysis			
+ STOP TO PREVIOUS SAMPLE					
019	006D: SOFT PLASTER-INNER LAYER	PLM Fiber Analysis			
+ STOP TO PREVIOUS SAMPLE					
020	006E: SOFT PLASTER-INNER LAYER	PLM Fiber Analysis			
+ STOP TO PREVIOUS SAMPLE					

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)

Date Received: 7/23/2013

Work Order #: 1307-15503

Site Location: PROJECT #130471 EDWARD ROWSE ARCHITECTS SHEA HIGH SCHOOL

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
021	007: TECTUM	PLM Fiber Analysis			
		Asbestos	NEGATIVE	7/24/2013	EVH
		Non-fibrous	100 %	7/24/2013	EVH
		Sample Color	Tan	7/24/2013	EVH

Project #130471
Edward Rowse Architects
Shea High School

ATTACHMENT #3

Interim Operations & Maintenance Plan

The contractors, maintenance personnel and staff associated with Shea High School are aware of the presence and location of ACBM within the above stated areas. They have been instructed not to disturb the material due to the potential health hazards if fibers become airborne.

1. Notification

All building occupants, also any contractors entering the building and/or premises to perform work, shall be notified of the presence and location of asbestos-containing material(s) and cautioned regarding disturbance of the material(s). Also, the building occupants must be notified regarding the occurrence of asbestos abatement activities. If an emergency fiber release occurs, the following procedures shall be initiated.

2. Fiber Release Episodes

A. Minor Release Episode

If a minor fiber release episode occurs (release of less than 3 linear feet or 3 square feet of material), trained maintenance staff may perform the cleaning. Access to the area shall be restricted during clean up. All debris shall be thoroughly wetted using amended water and placed in labeled, double six-mil polyethylene bags. The area shall then be cleaned using HEPA filtered vacuums and/or wet cleaning methods. Damaged material must be cleaned and repaired with non-asbestos-containing material. The area shall then be evaluated to decide if further action is necessary.

B. Major Release Episode

If a major fiber release episode occurs (falling or dislodging of more than 3 linear feet or 3 square feet of ACBM), the cleaning must be carried out and directed by persons accredited to conduct and design response actions. After such an episode, the area shall be immediately restricted and entry to the area prevented. Warning signs shall be posted to caution people other than those qualified to deal with the problem. Air handling units in the area shall be shut down to prevent the spread of fibers beyond the problem area. A response action shall be designed and carried out by qualified personnel.

3. Training

Any employee who, because of their work, may disturb asbestos- containing material shall be trained and certified as a Competent Person as described by the R.I. Rules and Regulations for Asbestos Control. The program coordinator shall ensure that the procedures described above to protect the building occupants shall be followed for any operations and maintenance activities disturbing or involving ACBM.

ATTACHMENT #4

Scope of Work / Description of Waivers

All proper OSHA, federal, state, and local safety regulations shall be followed.

All interior materials will be abated utilizing B8.2 and B.8.3 work procedures.

All remaining asbestos containing plaster ceiling must be incorporated into the school's AHERA Management Plan and be incorporated into the ongoing operations and maintenance schedule.

Contractor is responsible for encapsulating any loose plaster within the cafeteria containment(s). This includes divots caused by removing the ceiling tiles/glue dots and any pre-existing damage. Encapsulating material shall be Chil-Seal, Chil-Bridge or equivalent.

The asbestos contractor is held responsible for any costs associated with the re-cleaning and re-sampling of an area should any clearance air samples exceed 70 s/mm² by TEM.

Charles E. Shea
Senior High School
485 EAST AVENUE

PANTUCKET SCHOOL DEPARTMENT
PANTUCKET, RHODE ISLAND

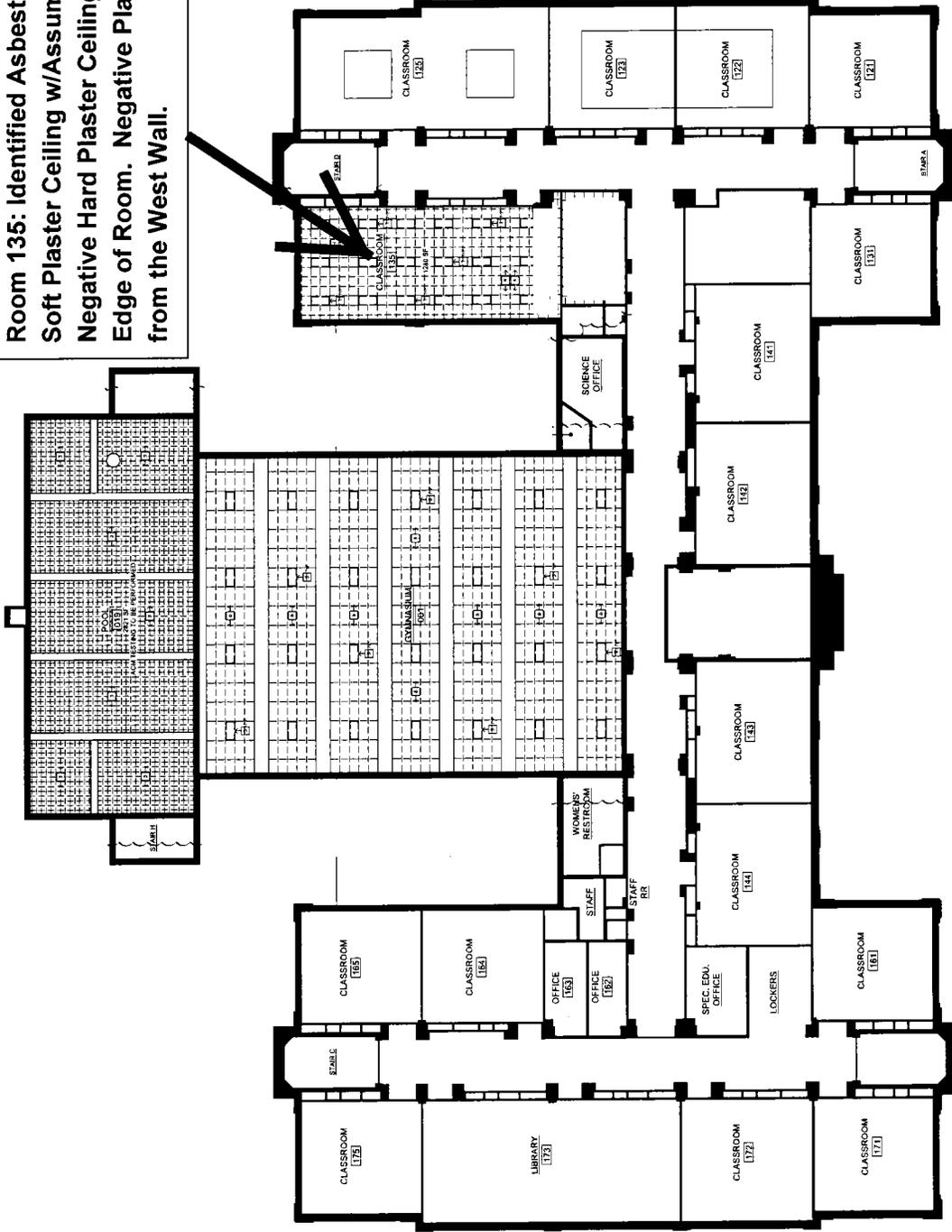
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Description

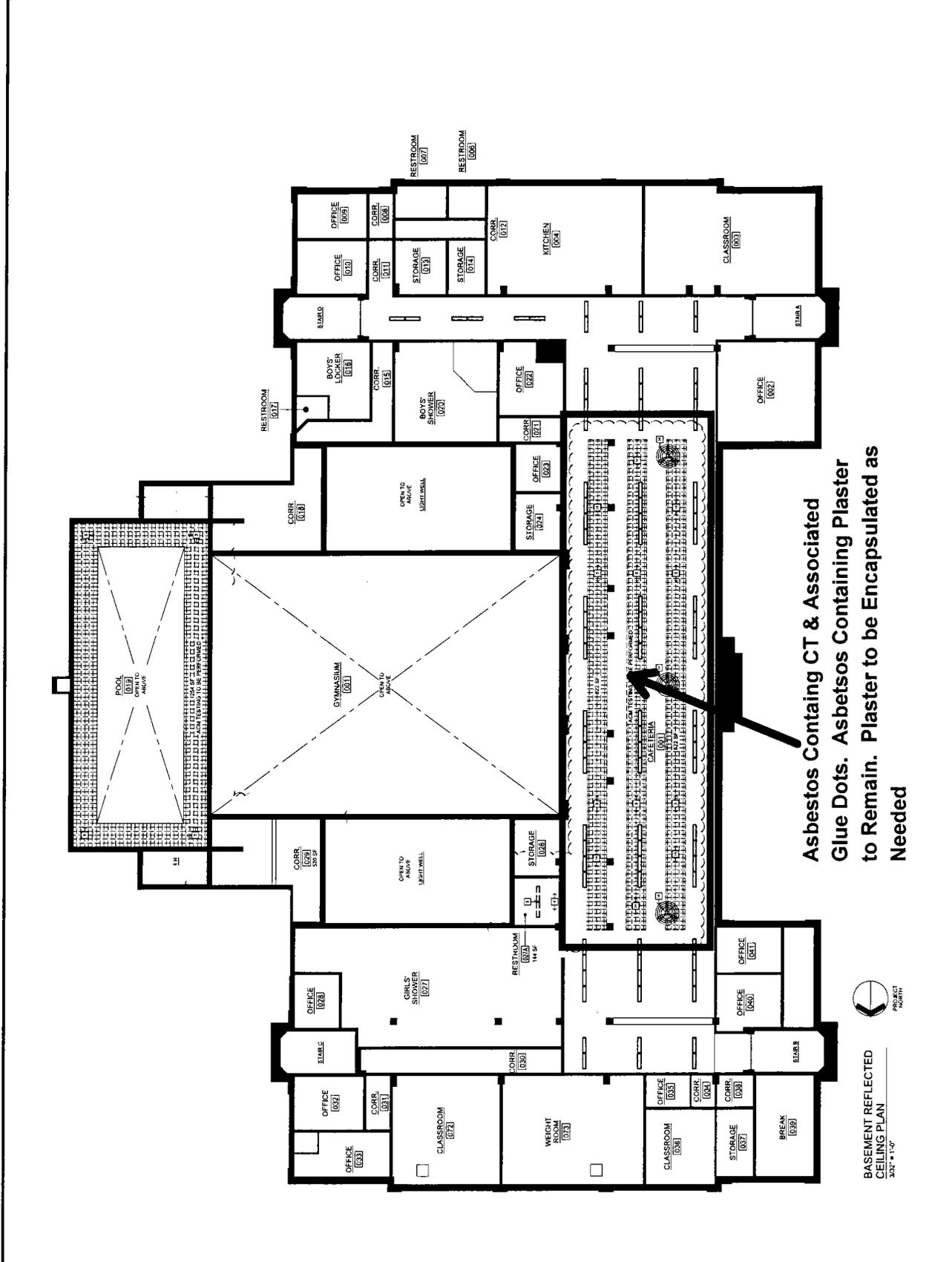
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13 OF 24

**Room 135: Identified Asbestos Containing
Soft Plaster Ceiling w/Assumed TSI Above.
Negative Hard Plaster Ceiling Exists on West
Edge of Room. Negative Plaster Extends ~6'
from the West Wall.**



SCALE
FIRST FLOOR
REFLECTED CEILING PLAN
3/32" = 1'-0"
PROJECT
NORTH



**Asbestos Containing CT & Associated
Glue Dots. Asbestos Containing Plaster
to Remain. Plaster to be Encapsulated as
Needed**



BASEMENT REFLECTED
CEILING PLAN
3/32" = 1'-0"

PROJECT
PROPERTY