

## ***ASBESTOS RE-INSPECTION/MANAGEMENT PLAN UPDATE***

INSPECTION SITE: Royle School - Job #DRNPS22003  
133 Mansfield Avenue  
Darien, CT

CLIENT: Darien Public Schools  
PO Box 1167  
Darien, CT 06820  
Attn.: Kevin Munrett

INSPECTORS: Ryan Ebenhack CT Asbestos Inspector #000418

MANAGEMENT PLANNER: James Twitchell (CT Inspector/Management Planner #000241)

INSPECTION DATE: November 8, 2022

BUILDING TYPE: School

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### **BACKGROUND**

HYGENIX division of Pennoni was hired by the Darien Public School Systems for its' re-inspection/update of their asbestos management plan (AMP). The goal of the asbestos management plan is to document the presence of asbestos-containing materials (ACM'S) in the above-mentioned site, and to comment on the conditions of these materials.

### **ASBESTOS INSPECTION PROTOCOL**

The asbestos inspection and sampling were carried out in accordance with guidelines published in the CT Asbestos-Containing Materials in Schools Regulations (Section 19a-333-1 to 19a-333-13).

### **SAMPLING PROTOCOL**

During the inspections of accessible spaces, the inspector identified "functional spaces or building systems" (e.g. dwelling spaces, storage rooms, boiler rooms, roof systems, heating systems, etc.), and categorized the construction materials within functional spaces and/or system as "homogeneous", based on uniformity in color, age, texture and use. The inspector then compiled a list of building materials suspected to contain asbestos, and recorded the condition, location and approximate quantity of homogeneous, suspect materials.

From each homogeneous area or building system, where no samples have been collected, the inspectors either assumed the materials were positive or collected representative "bulk" samples of construction materials suspected to contain asbestos. Sampling was carried out in accordance with the regulatory protocols included in the CT Asbestos-Containing Materials in Schools Regulations. Table 1 lists the minimum number of samples of each homogeneous material

required by the CT Asbestos-Containing Materials in Schools Regulations inspection protocol:

TABLE 1 - CT SAMPLING STANDARDS

<u>Homogeneous Material Type</u>	<u>Minimum Number of Samples</u>		
Thermal System Insulation	3 Samples		
Miscellaneous Materials	3 Samples		
Surfacing Materials	< 1000	Sq Ft	3 Samples
	1000-5000	Sq Ft	5 Samples
	> 5000	Sq Ft	7 Samples

Previous samples of suspect materials were analyzed at HYGENIX, Inc. laboratory and Scientific Laboratories, now AmeriSci, by polarized light microscopy (PLM) in accordance with EPA procedure #600/M4-82-020. The National Voluntary Laboratory Approval Program (NVLAP) accredits both AmeriSci and HYGENIX, Inc. to perform bulk asbestos analysis.

Two samples were collected during the re-inspection.

## INTERPRETATION OF TEST RESULTS

The regulations of CT Department of Public Health and the US EPA define ***asbestos containing materials*** (ACM's) as materials containing greater than 1-% asbestos. If one or more bulk samples of a homogeneous material are found to contain greater than 1-% asbestos, then all the homogeneous material is classified as ACM.

The US OSHA Asbestos Construction Industry Standard requires designation as ***presumed asbestos containing materials*** (PACM's), all surfacing materials and thermal system insulation which have not been tested, or for which the number of samples collected and analyzed was less than the previously listed minimums. This requirement does not apply if the building in which the material is found was constructed after 1980.

The results of the PLM laboratory testing are summarized in Appendix A.

## **ACBM ASSESSMENT**

An essential objective of the asbestos survey is to evaluate the condition and accessibility of asbestos-containing building materials as an aid to evaluating the current and potential risk of asbestos exposure. By rating the degree and likelihood of asbestos fiber exposure on an objective, systematic basis, the building owner can prioritize response actions on a rational basis.

The CT survey guidelines offers the inspector seven categories in which to record the current condition of asbestos-containing building materials and the potential for damage:

- (1) Damaged or Significantly Damaged Friable Thermal System Insulation
- (2) Damaged Friable Surfacing Material
- (3) Significantly Damaged Friable Surfacing Material
- (4) Damaged or Significantly Damaged Friable Miscellaneous Material
- (5) ACBM with Potential for Damage
- (6) ACBM with the Potential for Significant Damage
- (7) Any Remaining Friable ACBM or Friable Suspected (Presumed) ACBM

**TABLE 1 - SUMMARY OF ACM**

<u>LOCATION</u>	<u>AHERA CATEGORY</u>	<u>MATERIAL DESCRIPTION</u>	<u>HAZARD ASSESSMNT</u>
Boiler Room	Thermal System Insulation Thermal System Insulation	Boiler Insulation (Interior & Exterior) Pipe Insulation	<b>Abated Summer 2009</b> <b>Abated Summer 2009</b>
131 Hallway 16	Thermal System Insulation	Pipe Insulation	Friable/ (5)
Steam Tunnel, North	Thermal System Insulation	Pipe Insulation	Friable/ (5)
Paper Storage Room	Thermal System Insulation	Pipe Insulation	Friable/ (5)
B6 Cafeteria	Thermal System Insulation	Pipe Insulation	Friable/ (5)
B7 Cafeteria	Thermal System Insulation	Pipe Insulation	Friable/ (5)
B11 Bathroom	Thermal System Insulation	Pipe Insulation	Friable/ (5)
109 Girl's Bathroom	Thermal System Insulation	Pipe Insulation	Friable/ (5)
121 A Stage	Thermal System Insulation	Pipe Insulation	Friable/ (5)
Above 1 <sup>st</sup> Floor Ceilings	Thermal System Insulation	Pipe Insulation	Friable/ (5)
Gymnasium Ceiling	Thermal System Insulation	Pipe Insulation	Friable/ (5)
122 Hallway 15 (Gym hall)	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
126 Room 1 (Room 117)	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
127 Room 2 (Room 119)	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
128 Foyer 2&3 (Entrance South)	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
129 Room 3 (Room 120)	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
130 Room 4 (Room 118)	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
Mechanical Room	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
Library Mechanical Room	Thermal System Insulation	Pipe Elbow Insulation	Friable/ (5)
Library Mechanical Room	Miscellaneous Materials	Duct Pin Glue	Non-Friable/ (5)

North Steam Tunnel	Thermal System Insulation	Gray Duct Insulation	Friable/ (5)
Fan Room	Thermal System Insulation	White Duct Paper on Cork	<b>Abated February 2008</b>
Gymnasium	Thermal System Insulation	Roof Drain Insulation	<b>Abated Summer 2007</b>
Mechanical Areas B2, 201	Thermal System Insulation	Duct Joint Flex Gasketing	Friable/ (5)
Phone Booth	Miscellaneous Materials	Linoleum	Non-Friable/ (5)
Room 1(126) [117], Room 2(127) [119], Room 3(129) [120], Room 4(130) [118]	Miscellaneous Materials	Black Sink Insulation	Non-Friable/ (5)
104 Main Hall [Nurse to Gym] 105 Art Room [105] 115 Room 11 [111] 116 Room12 [113] 117 C secy, 119 Steps [Hall steps N of gym) 131 Hallway 16 [Hall to library) 202 Main Hall [2 <sup>nd</sup> floor hall) 203A Room 215 [removed room] 204 Music Rm 208 [212] 205 Room 214 [205] 206 Room 213 [207] 207 Room 209 [214] 209 Room 210 [216]			

212 Room 211 [213] Cafeteria	Miscellaneous Materials	Ceiling Tile Glue Daubs	Non-Friable/ (5)
Auditorium	Miscellaneous Materials	18x18 Perforated Ceiling Tiles	Friable/ (5)
Hall between Gym & Auditorium	Thermal System Insulation	Brown Duct Insulation w/ Gray Seams	Friable/ (5)
Cafeteria/Kitchen Tunnel	Miscellaneous Materials	Slab Mastic	<b>Abated Summer 2008 &amp; Feb. &amp; July 2009</b>
Throughout School Building	Miscellaneous Materials	Slab Mastic	Non-Friable/ (5)
Exterior Wall of 115 Room 11 [111] & Assumed Throughout Remaining School Areas	Miscellaneous Materials	Black Tar	Non-Friable/ (5)
124 Bath [118] 126 Room 1 [117] 127 Room 2 [119]	Miscellaneous Materials	Hard Black Windowsills	Non-Friable/ (5)
Gymnasium	Miscellaneous Materials	Mastic/Paper under Wood Floor	Non-Friable/ (5)

## **GENERAL DISCUSSION - ASBESTOS ABATEMENT REGULATIONS**

Asbestos management and abatement activities in the State of Connecticut are governed by the following State and federal regulations:

### **1. US EPA National Emission Standards for Hazardous Air Pollutants (NESHAPs)**

The NESHAPs regulations for asbestos prohibit the emission of airborne asbestos dust to the environment. These regulations require notification of the regional office of US EPA at least 10 days in advance of an asbestos abatement project involving more than 260 linear feet, 160 square feet, or 35 cubic feet of material containing more than 1% asbestos. The NESHAPs regulations require the asbestos-containing materials to be kept in a wet condition during handling and removal, and specify requirements for labeling, transport and disposal of asbestos waste.

### **2. US OSHA Asbestos Construction Industry Standard**

The OSHA Asbestos Construction Industry Standard protects workers who may be exposed to asbestos in construction. The OSHA standard specifies permissible exposure limits, and procedures for handling various forms and quantities of asbestos containing building materials. The standard describes regulated areas, exposure monitoring, respiratory protection and protective clothing, hygiene facilities, hazard communication, housekeeping, medical surveillance, record keeping, and worker training requirements.

### **3. CT DPH CT Standards for Asbestos Abatement**

The CT regulations describe the allowable procedures for asbestos abatement, licensing of personnel involved in asbestos abatement, and reoccupancy testing requirements. A 10-day advance notification of the agency is required for asbestos removal projects involving more than 25 square feet or 10 linear feet of friable asbestos containing material.

## INVENTORY OF ASBESTOS CONTAINING BUILDING MATERIALS:

The following asbestos containing materials are present in the building. Prior to any building renovations or demolition, that will affect these items, a Connecticut licensed asbestos abatement contractor employing appropriate engineering controls and worker protection measures must remove the materials.

Boiler Room –	Boiler Insulation ( <b>Abated Summer 2009</b> )
131 Hallway 16 –	Pipe Insulation ( <b>Abated Summer 2009</b> )
Steam Tunnel North –	Pipe Insulation (50 linear feet)
Paper Storage Room –	Pipe Insulation (50 linear feet)
B6 Cafeteria –	Pipe Insulation (23 linear feet)
B7 Kitchen –	Pipe Insulation (200 linear feet)
B11 Bathroom –	Pipe Insulation (50 linear feet)
109 Girl's Bathroom –	Pipe Insulation (N/A)
121 A Stage –	Pipe Insulation (N/A)
Above 1 <sup>st</sup> Floor Ceiling –	Pipe Insulation (50 linear feet)
Gymnasium Ceiling –	Pipe Insulation (N/A)
	Pipe Insulation (100 linear feet)
122 Hallway 15 [Gym hall] –	Pipe Elbow Insulation (2 fittings)
126 Room 1 [117] –	Pipe Elbow Insulation (18 fittings)
127 Room 2 [119] –	Pipe Elbow Insulation (5 fittings)
128 2&3 – (South Entrance) -	Pipe Elbow Insulation (5 fittings)
129 Room 3 [120] –	Pipe Elbow Insulation (5 fittings)
130 Room 4 [118] –	Pipe Elbow Insulation (5 fittings)
Mechanical Room –	Pipe Elbow Insulation (5 fittings)
Library Mechanical Room	Pipe Elbow Insulation (40 fittings)
Library Mechanical Room	Pipe Elbow Insulation (30 fittings)
	Duct Insulation Pin Glue (50 square feet)
North Steam Tunnel –	Gray Duct Insulation (250 square feet)
Fan Room –	Cork Ins. w/ White Paper ( <b>Abated February 2008</b> )
Gymnasium –	Roof Drains ( <b>Abated Summer 2007</b> )
Gymnasium –	Paper/Mastic Under Wood Floor (2,200 square feet)
Mechanical Areas B2, 201 –	Duct Joint Flex Gasket (200 square feet)
Phone Booth –	Linoleum (15 square feet)
Room 1(126) [117]	
Room 2(127) [119]	



Room 3(129) [120]

Room 4(130) [118] –

Black Sink Insulation (4 sinks)

104 Main Hall [Main Hall Nurse to Gym]

105 Art Room [105]

115 Room 11 [111]

116 Room 12 [113]

117 C secy

119 Steps [Hall steps North of gym]

131 Hallway 16 [Hall to library]

202 Main Hall [2<sup>nd</sup> Floor Main Hall]

203A Room 215 [removed room]

204 Music Room 208 [212]

205 Room 214 [205]

206 Room 213 [207]

207 Room 209 [214]

209 Room 210 [216]

212 Room 211 [213]

Cafeteria –

Ceiling Tile Glue Daubs (15,000 square feet)

Auditorium –

18x18 Perforated Ceiling Tiles (2,000 square feet)

Hall Between Gym & Auditorium –  
feet)

Brown Duct Insulation w/ Gray Seams (400 square

Cafeteria/Kitchen Tunnel -

Slab Mastic (**Abated Summer 2008 & Feb/July 2009**)

Through Entire Building -

Slab Mastic (N/A)

Exterior Wall of 115 Room 11 [111] –  
Entire School Exterior Wall –

Black Tar (400 square feet)  
Black Tar (N/A)

124 Bath [118]

126 Room 1 [117]

127 Room 2 [119] –

Hard Black Windowsills (100 square feet)

## **GENERAL ASSESSMENT DISCUSSION - ASBESTOS CONTAINING BUILDING MATERIALS:**

### Asbestos Thermal System Insulation

Asbestos thermal system insulation is present on the heating system lines in some pipe chases, above ceilings and in limited exposed areas within the building and is also present on duct flex connectors and on multiple types of duct insulation. See Response Action Table for the areas with damaged insulation.

Asbestos thermal system insulation is friable and likely to release asbestos dust with relatively minor disturbances. Prior to any renovation work in areas where asbestos insulation is known or suspected to be present, the insulation should be removed by a qualified asbestos contractor. Renovation contractors should also be advised that additional pipe insulation might be present on pipes hidden behind walls and above ceilings and directed to avoid any contact with asbestos-containing materials in general. If any hidden pipe insulation is uncovered during building renovations, the newly exposed thermal system insulation should be checked for asbestos content and handled appropriately. Removal of asbestos thermal insulation must be removed by a qualified asbestos contractor employing engineering controls and worker protection measures.

### Asbestos Ceiling Tiles

Asbestos ceiling tiles are present in the gymnasium of the building. See Response Action Table for the areas with damaged ceiling tiles.

Asbestos ceiling tiles are friable and likely to release asbestos dust with relatively minor disturbances. Prior to any renovation work in areas where asbestos ceiling tiles are known or suspected to be present, the ceiling tiles should be removed by a qualified asbestos contractor. Removal of asbestos ceiling tiles must be removed by a qualified asbestos contractor employing engineering controls and worker protection measures.

### Vinyl Asbestos Flooring, Mastic and Glue

9x9 floor tiles were listed in the original report as well as listed as removed. No obvious signs of these floor tiles were identified; however a full investigation must be made if renovations are to take place where any flooring materials are to be disturbed.

Vinyl-asbestos flooring (including floor tiles and mastic) is non-friable and unlikely to release asbestos dust unless severely damaged or subject to extreme physical force. If the intact, asbestos flooring must be removed, cut, or sanded, or if it deteriorates over time, the asbestos flooring and mastic must be removed by a Connecticut licensed asbestos contractor employing appropriate engineering controls and worker protection measures.

### Ceiling Tile Glue

Ceiling tile glue is present above all 1x1 ceiling tiles throughout many of the rooms of the building. See Response Action Table for the areas with damaged ceiling tile adhesive.

Ceiling tile adhesive is non-friable and unlikely to release asbestos dust unless severely damaged or subject to extreme physical force. If the intact, asbestos adhesive must be removed, cut, or sanded, or if it deteriorates over time, the asbestos adhesive must be removed by a Connecticut licensed asbestos contractor employing appropriate engineering controls and worker protection measures.

### Asbestos Sink Insulation

Asbestos sink insulation is present in many of the rooms of the building. See Response Action Table for the areas with damaged sink insulation.

Asbestos sink insulation is non-friable and unlikely to release asbestos dust unless severely damaged or subject to extreme physical force. If the intact, asbestos sink insulation must be removed, cut, or sanded, or if it deteriorates over time, the asbestos sink insulation must be removed by a Connecticut licensed asbestos contractor employing appropriate engineering controls and worker protection measures.

### Exterior Wall Black Tar

Black tar was identified on the exterior wall of 115 Room 11 and is assumed to be present in the walls of all other rooms. See Response Action Table for the areas with damaged black tar.

Exterior wall mastic is non-friable and unlikely to release asbestos dust unless severely damaged or subject to extreme physical force. If the intact, asbestos tar must be removed, cut, or sanded, or if it deteriorates over time, the asbestos adhesive must be removed by a Connecticut licensed asbestos contractor employing appropriate engineering controls and worker protection measures.

### Hard Black Windowsill

Hard black windowsills are present three rooms of the building. See Response Action Table for the areas with damaged hard black windowsills.

Hard black windowsills are non-friable and unlikely to release asbestos dust unless severely damaged or subject to extreme physical force. If the intact, asbestos windowsills must be removed, cut, or sanded, or if it deteriorates over time, the asbestos windowsills must be removed by a Connecticut licensed asbestos contractor employing appropriate engineering controls and worker protection measures.

**RESPONSE ACTION TABLE:**

LOCATION	MATERIAL	RESPOSNE ACTION	TIME FRAME
Boiler Room	Boiler Insulation	<b>Abated Summer 2009</b>	
	Pipe Insulation	<b>Abated Summer 2009</b>	
131 Hallway 16	Pipe Insulation	O&M Program	2025
Steam Tunnel North	Pipe Insulation	O&M Program	2025
Paper Storage Room	Pipe Insulation	O&M Program	2025
Cafeteria/Kitchen Tunnel	Pipe Insulation	<b>Abated Summer 2008 &amp; Feb/January 2009</b>	
B6 Cafeteria	Pipe Insulation	O&M Program	2025
B7 Kitchen	Pipe Insulation	O&M Program	2025
B11 Bathroom	Pipe Insulation	O&M Program	2025
109 Girl's Bathroom	Pipe Insulation	O&M Program	2025
121 A Stage	Pipe Insulation	O&M Program	2025
Above 1 <sup>st</sup> Floor Ceiling	Pipe Insulation	O&M Program	2025
Gymnasium	Pipe Insulation	O&M Program	2025
122 Hallway 15	Elbow Insulation	O&M Program	2025
[Hall at gym / south]			
126 Room 1 [117]	Elbow Insulation	O&M Program	2025
127 Room 2 [119]	Elbow Insulation	O&M Program	2025
128 2&3 [South Entry]	Elbow Insulation	O&M Program	2025
129 Room 3 [120]	Elbow Insulation	O&M Program	2025
130 Room 4 [118]	Elbow Insulation	O&M Program	2025
Mechanical Room	Elbow Insulation	O&M Program	2025
Library Mechanical Rm	Elbow Insulation	O&M Program	2025
Library Mechanical Rm	Duct Pin Glue	O&M Program	2025
North Steam Tunnel	Gray Duct Insulation	O&M Program	2025
Fan Room	Cork w/ White Paper	<b>Abated February 2008</b>	
Gymnasium	Roof Drains	<b>Abated Summer 2007</b>	
Gymnasium	Paper/Mastic	O&M Program	2025
Mechanical Areas			
B2,201	Duct Flex Gasket	O&M Program	2025
Phone Booth	Linoleum	O&M Program	2025

Room 1(126) [117]			
Room 2(127) [119]			
Room 3(129) [120]			
Room 4(130) [118]	Black Sink Insulation O&M Program		2025
104 Main Hall [Main Hall Nurse to Gym]			
105 Art Room [105]			
115 Room 11 [111]			
116 Room 12 [113]			
117 C secy			
119 Steps [Hall steps North of gym]			
131 Hallway 16 [Hall to library]			
202 Main Hall [2 <sup>nd</sup> Floor Main Hall]			
203A Room 215 [removed room]			
204 Music Room 208 [212]			
205 Room 214 [205]			
206 Room 213 [207]			
207 Room 209 [214]			
209 Room 210 [216]			
212 Room 211 [213]			
Cafeteria	CT Glue Daubs	O&M Program	2025
Auditorium	18x18 Ceiling Tiles	O&M Program	2025
Hall Between Gym & Auditorium	Duct Ins w/ Seams	O&M Program	2025
Cafeteria/Kitchen Tunnel Slab Mastic	(Abated Summer 2008 & Feb 2009)		
Through Entire Building	Slab Mastic (N/A)	O&M Program	2025
115 Room 11 [111]	Black Tar	O&M Program	2025
School Exterior Wall	Black Tar	O&M Program	2025
124 Bath [118]			
126 Room 1 [117]			
127 Room 2 [119]	Black Windowsills	O&M Program	2025

## LIMITATIONS

HYGENIX Division of Pennoni (HDP) has performed its services, within the limits prescribed by our clients, with the usual thoroughness and competence of the industrial hygiene profession.

The findings in this report are based upon observations and information available to the inspector during the time of the rendering of the services as described in this report and are based on procedures currently required by applicable laws, regulations, and ordinances. HDP cannot be responsible for conditions or materials the inspector did not observe due to lack of access or was not otherwise reasonably observable. The conclusions in this report are professional opinions based solely upon these findings. The findings and conclusions are intended exclusively for the purpose outlined herein within the scope of work and at the site location and project indicated.

This report is for the sole use of the client. The scope of work performed in execution of this inspection may not be appropriate to satisfy the needs of other users and any reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

*Ryan Ebenhack*

Ryan Ebenhack – Asbestos inspector

1/3/23

Date



James Twitchell – Management Planner

1/5/23

Date

## **APPENDIX A**

### **PLM BULK ASBESTOS ANALYSIS REPORTS**

**AmeriSci New York**

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

## PLM Bulk Asbestos Report

Hygenix, Inc.  
Attn: Robert Brown  
49 Woodside Street

Stamford, CT 06902

Date Received 11/09/22 AmeriSci Job # 222111718  
Date Examined 11/14/22 P.O. #  
Page 1 of 1

RE: ORNPS22003; Darien Schools; Royle School, Darien CT

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Royle-01	222111718-01	No	NAD
Location: Auditorium - 14" x 14" Cell. Tile Glue			(by CVES) by Valeriu Voicu on 11/14/22
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100%			
Royle-02	222111718-02	No	NAD
Location: Room Of Boiler - Duct Glue			(by CVES) by Valeriu Voicu on 11/14/22
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass Trace, Non-fibrous 100%			

**Reporting Notes:**

Analyzed by: Valeriu Voicu  
Date: 11/14/2022

Reviewed by: Valeriu Voicu

\*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 Pol Scope, Microscope, Serial #: 229915, by Appd E to Subpt E, 40 CFR 763 quantified by either CVES or 400 pt ct as noted for each analysis (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite, or ELAP 198.6 for NOB samples, or EPA 400 pt ct by EPA 600-M4-82-020 (NY ELAP Lab 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054, NJ Lab ID #NY031.

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END OF REPORT



## BULK SAMPLE LOG

Darien, CT

**PAGE 1**

Date: 11/8/22



**Environmental Consultants and Laboratory Services  
49 Woodside Street  
Stamford, CT 06902**

**(203) 324-2222 (phone) (203) 324-3876 (fax)**

[illegible]

**CHAIN OF CUSTODY**

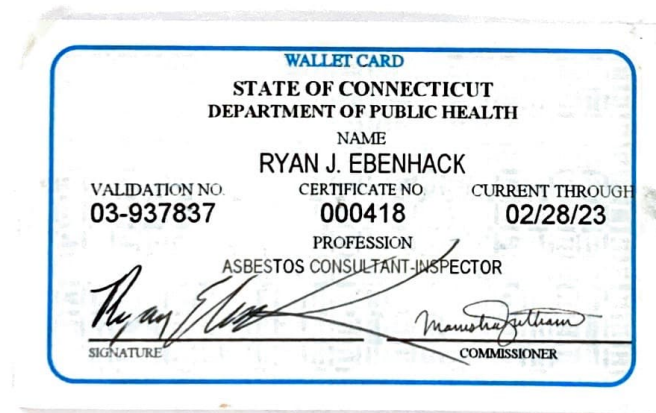
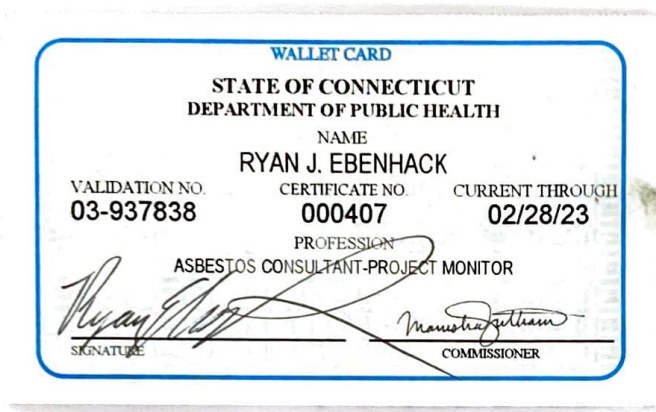
Date/Time:

**Email:** *gberhach*@PENNONI.com

5 Day

## **APPENDIX B**

### **INSPECTOR/MANAGEMENT PLANNER LICENSES/CERTIFICATIONS**




WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
**JAMES M. TWITCHELL**

VALIDATION NO. **03-976842** CERTIFICATE NO. **000241** CURRENT THROUGH **07/31/23**

PROFESSION  
**ASBESTOS CONSULTANT-ASPMGMT PLANNER**

SIGNATURE  COMMISSIONER


WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
**JAMES M. TWITCHELL**

VALIDATION NO. **03-976839** CERTIFICATE NO. **001822** CURRENT THROUGH **07/31/23**

PROFESSION  
**LEAD INSPECTOR RISK ASSESSOR**

SIGNATURE  COMMISSIONER


WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
**JAMES M. TWITCHELL**

VALIDATION NO. **03-976841** CERTIFICATE NO. **000221** CURRENT THROUGH **07/31/23**

PROFESSION  
**ASBESTOS CONSULTANT-PROJECT DESIGNER**

SIGNATURE  COMMISSIONER


WALLET CARD

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
**JAMES M. TWITCHELL**

VALIDATION NO. **03-976840** CERTIFICATE NO. **000256** CURRENT THROUGH **07/31/23**

PROFESSION  
**ASBESTOS CONSULTANT-PROJECT MONITOR**

SIGNATURE  COMMISSIONER

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## **APPENDIX C**

### **PARENT TEACHER NOTIFICATIONS**

- Yearly parent teacher notification on placed on the school's website. Individual records of the postings are not maintained.

## **APPENDIX D**

### **6-MONTH PERIODIC SURVEILANCES**

- 6-month periodic surveillances inspections have in the past been performed by Mike Lynch / Kevin Munrett and maintained at the school and in the Board of Education building – moving forward HYGENIX Division of Pennoni will conduct the 6-month periodic inspections.



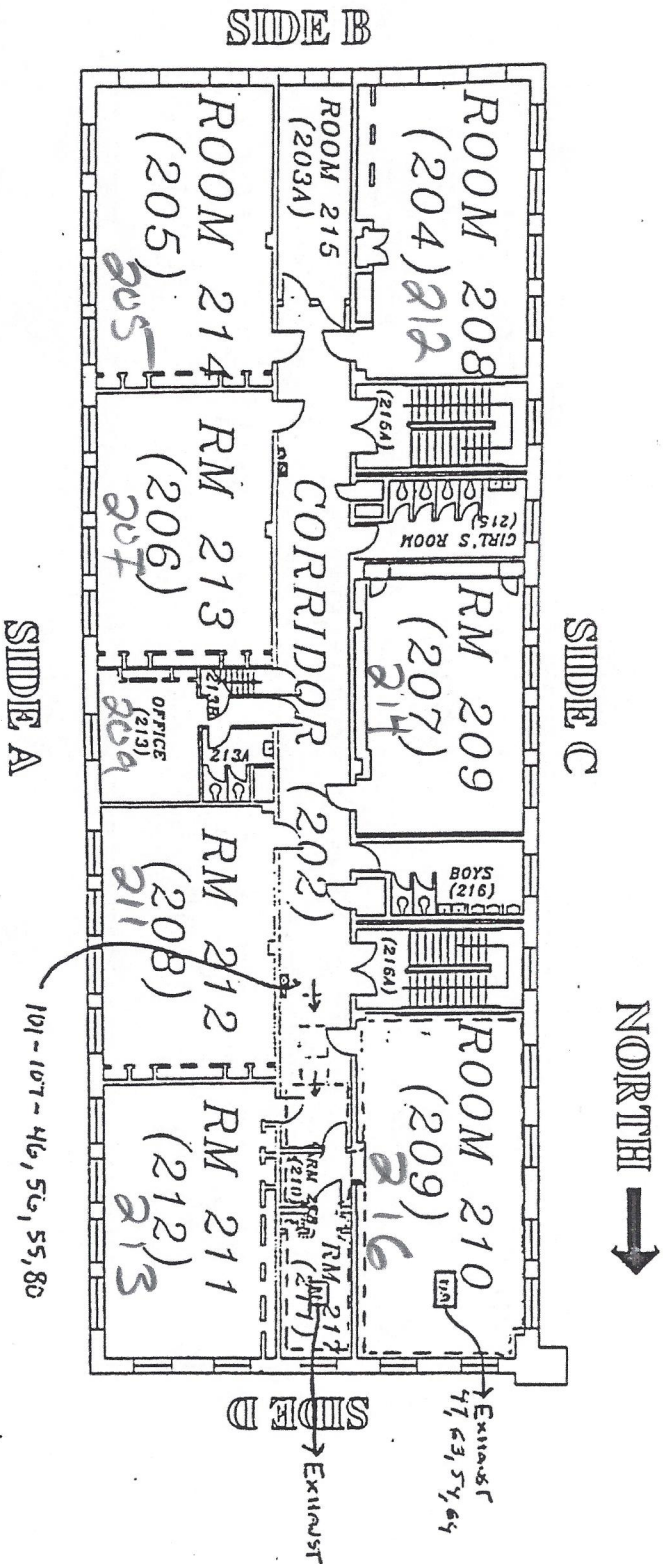
## **APPENDIX E**

### **SITE LAYOUTS – OLD ROOM NUMBERS and CURRENT ROOM NUMBERS**

2022 Rooms

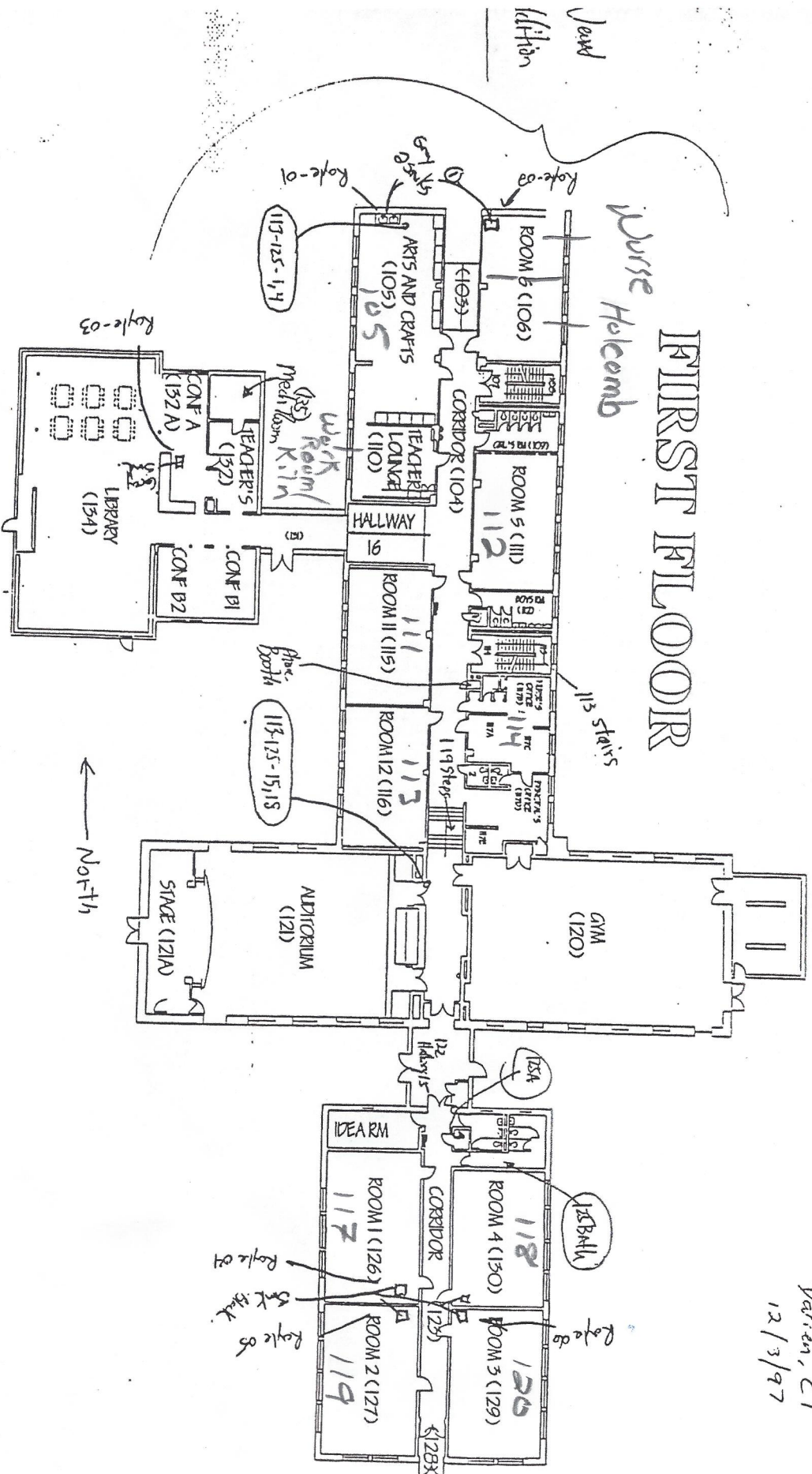
SECOND FLOOR

ROYLE SCHOOL  
133 MANSFIELD AVE.  
DARIEN, CT



# 2022 Rooms

CSH II, 6.1.1  
 Kyle School  
 133 Mansfield Ave  
 Darien, CT  
 12/3/97



ROYLE SCHOOL  
133 MANSFIELD AVE.  
DARIEN, CT



6.1.19





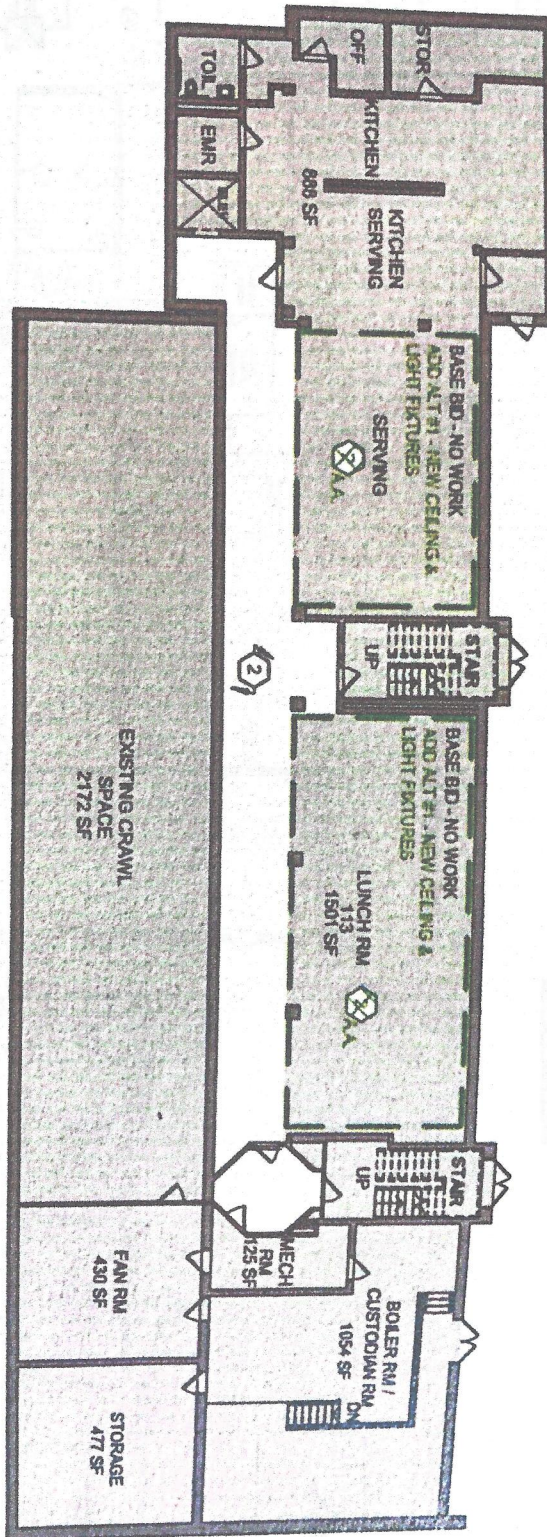


[illegible]

2 SECOND FLOOR (DEMO)  
1/16" = 1'-0"

Scanned with CamScanner





3

1/16" = 1'-0"

### CAFETERIA FLOOR (DEMO)

NOTE: TYPICAL  
SEE MEP DWGS FOR DEMO