

Leicester Middle School  
70 Winslow Avenue  
Leicester, MA 01524

AHERA Three-Year Reinspection

April 2019



# HUB TESTING LABORATORY, INC.

Environmental Testing and Consulting Service  
*Certified Woman-owned Business Enterprise (WBE)*

95 Beaver Street  
Waltham, MA 02453

(781) 893-8330  
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[www.hubtesting.net](http://www.hubtesting.net)



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REPORT FOR: Leicester Public Schools  
3 Washburn Square  
3<sup>rd</sup> Floor  
Leicester, MA 01524

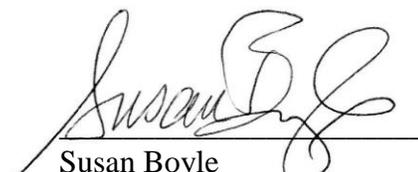
ATTENTION: Mr. David White  
Director of Public Facilities

PROJECT: AHERA 3-Year Re-Inspection

SUBJECT: Leicester Middle School  
70 Winslow Ave.  
Leicester, MA 01524

INSPECTOR(S):

  
Lynne Brimhall  
Asbestos Inspector  
MA Cert. No.: AI 061691

  
Susan Boyle  
Asbestos Inspector  
MA Cert. No.: AI 060146

PREPARED BY: Hub Testing Laboratory, Inc.

  
Lynne Brimhall  
Project Manager  
Management Planner  
MA Cert. No.: AP 900405

DATE: April 2019

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A. AHERA Three Year Re-Inspection Report with Materials  
Chart and Drawings



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PROJECT: Leicester Middle School  
70 Winslow Avenue  
Leicester, MA 01524

SUBJECT: AHERA Three-Year Reinspection

DATE: April 2019

As required by the US Environmental Protection Agency's AHERA regulations, Hub Testing Laboratory has completed a survey and reassessment of asbestos containing materials in the Leicester Middle School. This report summarizes the locations and conditions of materials remaining in the school and reviews the ongoing responsibilities of the Local Education Agency (LEA). The inspection was completed by Lynne Brimhall (AI061691) and Susan Boyle (AI060146) on April 17, 2019, April 19, 2019 and April 22, 2019.

When sampling of suspect asbestos-containing materials was required, samples representative of the material were taken. Samples of thermal systems insulation and miscellaneous materials were collected in unobtrusive random locations. Samples of surfacing materials were collected using the guidance document method for random sampling.

This latest survey report should be incorporated into the files that the LEA maintains, pertaining to response actions, operations & maintenance activities, six month surveillance, training, air sampling and major asbestos activities, etc.

## SUMMARY OF AHERA RE-INSPECTION

The re-inspection consisted of reviewing previous documentation available, interviewing building personnel, and performing a thorough survey of each functional space in the building. The following sections summarize the current re-inspection, the presence of suspect or proven ACM in the building, any damage to the ACM, and response action proposals.

## CURRENT FINDINGS

### **MATERIALS FROM PREVIOUS INSPECTION**

The previous AHERA reports from the Leicester Middle School identified the following asbestos containing materials.

The previous descriptions of Homogeneous Areas of Suspect Materials were not detailed and therefore could not be correlated to the existing conditions. During this most recent inspection Homogeneous Areas of Suspect Materials were identified using the characteristics of color, texture, size, usage, etc. Therefore some of the Homogeneous Areas of Suspect Materials identified during this most recent inspection may be a clarification of previously identified Homogeneous Areas of Suspect Materials or may be newly identified Homogeneous Areas of Suspect Materials.

The list is classified by material. The materials were identified as either containing asbestos or assumed to contain asbestos. This was distinguished by the presence of sample identifications in the Assumed and Proven Asbestos –Containing Materials Chart. All suspect materials identified in the previous AHERA report assumed all materials to be asbestos containing. However, extensive sampling was conducted by Hub Testing associated with this most current inspection report. Laboratory results can be found in section D and will be incorporated into the Management Plan.

The floor plans attached to this report should be used to identify functional spaces identification.

All building materials not previously sampled and identified as being non-asbestos containing must be considered asbestos containing until sampled and proven otherwise.

Any building material that becomes damaged or is scheduled for disturbance should be sampled and abated, as appropriate.

1. Joint compound associated with sheetrock walls (older/original)
  - Location:* Main office area, Mail room, Guidance, Book storage 1, Book storage 2, Principal's office, Vault, Storage 7, Bath 7, Assistant principal, Offices 1 – 3, Nurse's and associated bathrooms, Library, Library conference room, Library server room, Supply storage, Room 20 prep, Room 2 prep, Room 8 prep, Room 10 prep, Room 25 closet, Shared classroom walls in rooms 2 – 11, 19, 20, 24 - 31
  - Condition:* Not damaged
  - Quantity:* ≈ 400 SF
  
2. 9"x9" Brown floor tile with white and dark brown striations
  - Location:* Main office area, Mail room, Guidance, Book storage 1, Book storage 2, Teacher's room, Music room & office, Storage rooms 1-3 and hall behind auditorium, Kitchen office, Band storage, Room 2 prep, Room 20 prep, Rooms 2, 6, 7, 8, 9, 10, 11, 20, 24, 26, 28, 30 and under carpet in Team chair, Principal's office, Assistant principal's office, Library, Library conference room, Library server room

- Condition:* Damage in Rooms 2, 7, 8, 26  
*Quantity:* ≈ 11,800 SF
3. Associated mastic  
*Location:* Main office area, Mail room, Guidance, Book storage 1, Book storage 2, Teacher's room, Music room & office, Storage rooms 1-3 and hall behind auditorium, Kitchen office, Band storage, Room 2 prep, Room 20 prep, Rooms 2, 6, 7, 8, 9, 10, 11, 20, 24, 26, 28, 30 and under carpet in Team chair, Principal's office, Assistant principal's office, Library, Library conference room, Library server room  
*Condition:* Not damaged  
*Quantity:* ≈ 11,800 SF
4. 9"x9" Tan floor tile with white and brown streaks  
*Location:* Rear half of room 10 and patches in Teacher's room, Room 26 & Room 24  
*Condition:* Not damaged  
*Quantity:* ≈ 400 SF
5. Associated mastic  
*Location:* Rear half of room 10 and patches in Teacher's room, Room 26 & Room 24  
*Condition:* Not damaged  
*Quantity:* ≈ 400 SF
6. 9"x9" Maroon floor tile with orange and white streaks  
*Location:* Cafeteria storage, Quiet room in Art, patches in Room 8  
*Condition:* Not damaged  
*Quantity:* ≈ 240 SF
7. Associated mastic  
*Location:* Cafeteria storage, Quiet room in Art, patches in Room 8  
*Condition:* Not damaged  
*Quantity:* ≈ 240 SF
8. 12"x12" Orange mottled floor tile  
*Location:* Room 4, Room 4 prep, Room 23, Art room, Hall 1, Hall 6, Hall 7  
*Condition:* Not damaged  
*Quantity:* ≈ 4,800 SF
9. Associated mastic  
*Location:* Room 4, Room 4 prep, Room 23, Art room, Hall 1, Hall 6, Hall 7  
*Condition:* Not damaged  
*Quantity:* ≈ 4,800 SF

10. 12"x12" Off white floor tile with gray, white and cream mottles  
*Location:* Rooms 5, 12, 14, 15, 19, 21, 27, 28, 29, 31, 32, 33, 36, Nurse, Office area (offices 1, 2, 3 & hall)  
*Condition:* Not damaged  
*Quantity:* ≈ 14, 800 SF
11. Associated mastic  
*Location:* Rooms 5, 12, 14, 15, 19, 21, 27, 28, 29, 31, 32, 33, 36, Nurse, Office area (offices 1, 2, 3 & hall)  
*Condition:* Not damaged  
*Quantity:* ≈ 14, 800 SF
12. 12"x12" Light green floor tile with gold mottles  
*Location:* Room 13, Room 25 & Stand/seating area in Gym  
*Condition:* Not damaged  
*Quantity:* ≈ 2,400 SF
13. Associated mastic  
*Location:* Room 13, Room 25 & Stand/seating area in Gym  
*Condition:* Not damaged  
*Quantity:* ≈ 2,400 SF
14. 12"x12" Dark gray mottled floor tile  
*Location:* Hall 3, Hall 4  
*Condition:* Not damaged  
*Quantity:* ≈ 1,600 SF
15. Associated mastic  
*Location:* Hall 3, Hall 4  
*Condition:* Not damaged  
*Quantity:* ≈ 1,600 SF
16. 12" Blue floor tile with black, white & gray mottles  
*Location:* Hall 2, Hall 5  
*Condition:* Not damaged  
*Quantity:* ≈ 1,800 SF
17. Associated mastic  
*Location:* Hall 2, Hall 5  
*Condition:* Not damaged  
*Quantity:* ≈ 1,800 SF
18. 12" Blue-gray mottled floor tile  
*Location:* Breezeway 1, Cafeteria  
*Condition:* Not damaged  
*Quantity:* ≈ 4,000 SF

19. Associated mastic
  - Location:* Breezeway 1, Cafeteria
  - Condition:* Not damaged
  - Quantity:* ≈ 4,000 SF
  
20. Gym floor
  - Location:* Gym
  - Condition:* Not damaged
  - Quantity:* ≈ 3,800 SF
  
21. 4'x1' Wire re-enforced window glazing
  - Location:* Lights above rooms (associated with concrete panels), Security (4'x 4' window)
  - Condition:* Not damaged
  - Quantity:* ≈ 1,070 SF
  
22. Lab tabletops
  - Location:* Room 10
  - Condition:* Not damaged
  - Quantity:* ≈ 170 SF
  
23. Blackboards
  - Location:* Rooms 2 – 15, 19 – 33 and 36
  - Condition:* Not damaged
  - Quantity:* ≈ 2,300 SF
  
24. Soap stone sink
  - Location:* Room 4
  - Condition:* Not damaged
  - Quantity:* ≈ 5 SF
  
25. Black sink undercoating
  - Location:* Art (4), Room 20 and Room 29
  - Condition:* Not damaged
  - Quantity:* ≈ 42 SF
  
26. 2" Ceramic floor tile grout
  - Location:* Mauve: Boy's 1 & Boy's 2  
Gray: Slop sink1 & Slop sink 2  
Blue: Girl's 1 & Girl's 2
  - Condition:* Not damaged
  - Quantity:* ≈ 800 SF
  
27. 2" Ceramic floor tile adhesive
  - Location:* Mauve: Boy's 1 & Boy's 2  
Gray: Slop sink1 & Slop sink 2  
Blue: Girl's 1 & Girl's 2

*Condition:* Not damaged  
*Quantity* ≈ 800 SF

28. 1" Ceramic floor tile grout

*Location:* Bathrooms in Nurse's office, Wash room, Storage 7, Bath 7, Bath 1, Bath 2, Bath 3, Bath 5, Bath 6, Storage 4, Storage 5, Storage 6, Showers and bathrooms in boy's and girl's locker rooms  
*Condition:* Not damaged  
*Quantity* ≈ 2,100 SF

29. 1" Ceramic floor tile adhesive

*Location:* Bathrooms in Nurse's office, Wash room, Storage 7, Bath 7, Bath 1, Bath 2, Bath 3, Bath 5, Bath 6, Storage 4, Storage 5, Storage 6, Showers and bathrooms in boy's and girl's locker rooms  
*Condition:* Not damaged  
*Quantity* ≈ 2,100 SF

30. 1"x3" Ceramic wall tile grout

*Location:* Cafeteria (5' up walls), Storage room (wall shared with tech ed.), Hall 3 (walls shared with tank room, boiler room, entry area & music area), Hall 4, Hall 5 (walls shared with locker room), Auditorium (5' up walls), Room 36 (wall shared with Art), Room 33 (wall shared with 31), Room 32 (wall shared with 30), Room 13 (wall shared with 11), Room 12 (wall shared with 10)  
*Condition:* Not damaged  
*Quantity* ≈ 2,000 SF

31. 1"x3" Ceramic wall tile adhesive

*Location:* Cafeteria (5' up walls), Storage room (wall shared with tech ed.), Hall 3 (walls shared with tank room, boiler room, entry area & music area), Hall 4, Hall 5 (walls shared with locker room), Auditorium (5' up walls), Room 36 (wall shared with Art), Room 33 (wall shared with 31), Room 32 (wall shared with 30), Room 13 (wall shared with 11), Room 12 (wall shared with 10)  
*Condition:* Not damaged  
*Quantity* ≈ 2,000 SF

32. Hard packed fittings associated with 2" to 2 1/2" fiberglass lines

*Location:* Boiler room (4), Hall 3 (6), Hall 4 (12), Teacher's room (16), Tech Ed. (18), 30 (2), 25 (6), 19 (8), Girl's 1 (2), Library (6), Principal (4), AHU rooms (36)  
*Condition:* Damaged  
*Quantity:* (≈ 120 fittings)

33. Hard packed fittings associated with 6" fiberglass lines

*Location:* Boiler room  
*Condition:* Not damaged

*Quantity:* (≈ 27 fittings)

36. 4" Pipe insulation (mag) associated with domestic water
  - Location:* Boiler room (4" reduces to 3") and Tank room
  - Condition:* Damaged
  - Quantity:* ≈ 80 LF
  
37. Air cell insulation and hard packed fittings associated with domestic hot water
  - Location:* Bath 1 (10), Hall 3 (30), Storage 3 (5), Bath 1 (10), Hall 6 (40), 31 (4), 25 (24), Rooms 24 - 28 (180), 6 – 10 (180) 8/10 Prep rooms (40), Supply (136), Hall 1 (40), Rooms 2 – 8 (280), Front office area/Hall 7/Room 20 (320)
  - Condition:* Damaged
  - Quantity:* (≈ 1,300 LF)
  
38. Paper wrap insulation associated with domestic cold water
  - Location:* Hall 3
  - Condition:* Damaged
  - Quantity:* (≈ 10 LF)
  
39. Breeching insulation
  - Location:* Boiler room
  - Condition:* Not damaged
  - Quantity:* (≈ 770 SF)
  
40. Generator muffler exhaust
  - Location:* Boiler room
  - Condition:* Not damaged
  - Quantity:* (≈ 12 SF)
  
41. Fiberglass duct keepers
  - Location:* AHU rooms
  - Condition:* Not damaged
  - Quantity:* (≈ 10 SF)
  
42. HVAC dampener
  - Location:* AHU rooms
  - Condition:* Not damaged
  - Quantity:* (≈ 8 LF per)
  
43. Cleaver Brooks boiler units
  - Location:* Boiler room
  - Condition:* Not damaged
  - Quantity:* (2)

44. Oil fired boiler assembly
- Location:* Boiler room
- Condition:* Not damaged
- Quantity:* (2)

**SUSPECT ACM FOUND NOT TO CONTAIN ASBESTOS**

The following materials were sampled and analyzed and found to not contain asbestos. Refer to the Materials Chart for location and sample identifications for those materials which have been sampled. Sample reports have been incorporated into the Management Plan

1. Roof panels – Decking in the original building (Main office area, Nurse, Principal and offices, Assistant principal, Boy’s and Girl’s rooms, Book supply rooms, Supply storage room, Slop sinks, prep rooms, Library, Hallways 1, 6, 7, Rooms 2, 4, 5, 6, 7, 8, 9, 11, 10, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31)
2. Pre-fabricated concrete wall panels – Library, Hallways 1, 6, 7, Rooms 2, 4, 5, 6, 7, 8, 9, 11, 10, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31 & locker rooms
3. Sheetrock walls (old/original) – Main office area, Mail room, Guidance, Book storage 1, Book storage 2, Principal’s office, Vault, Storage 7, Bath 7, Assistant principal, Offices 1 – 3, Nurse’s and associated bathrooms, Library, Library conference room, Library server, Supply storage, Room 20 prep, Room 2 prep, Room 8 prep, Room 10 prep, Room 25 closet, Shared classroom walls in rooms 2 – 11, 19, 20, 24 - 31
4. Wood paneling on walls – Office
5. 2’x4’ Thick fissured ceiling tile with dots (older) – Office and part of hall by vault
6. 2’x4’ Thin fissured ceiling tile with lots of dots (newer) – Team Chair, Office 2, Library, Library conference room, Boy’s 1, Boys 2, Girl’s 2, Rooms 2, 4, 5 – 11, 19, 20, 24, 26, 28, 30
7. 2’x4’ Small fissured ceiling tile with dots – Cafeteria, rooms 21 & 23
8. 2’x4” Large dot & small dot ceiling tile – Principal’s office and Office 1
9. 2’x2’ Small fissured ceiling tile with dots – Girl’s 1, Rooms 12, 14, 15, 32
10. 2’x2’ Thin fissured ceiling tile with dots (similar to 2’x4’old) – Rooms 13, 34, 36, Breezeway 1, Hall 2, Hall 4, Hall 5, Storage 5 & Storage 6
11. 2’x2’ Thin fissured ceiling tile with lots of dots (similar to 2’x4’ new) – Room 33 and mixed in Hall 5 and Room 19
12. Fiberglass ceiling tiles – Kitchen
13. 1’x1’ Spline ceiling tile on wall – Auditorium
14. Mastic associated with 2” brown cove base– Office, Guidance, Team chair
15. Mastic associated with 1” gray cove base – Rooms 13 & 33
16. Mastic associated with 2” green cove base – Room 25
17. Mastic associated with 6” black cove base – Library
18. Mastic associated with 1” black cove base – Mail room, Custodian’s office, Guidance, Cafeteria storage, Room 2, Room 2 prep, Auditorium hall and storage, Book storage 1, Band storage, Rooms 6 – 11 including prep rooms, AHU Rooms, Book storage 2
19. Mastic associated with 2” Black cove base – All hallways, Security, Storage, 1 wall in Maintenance shop, Teacher’s room, Cafeteria, Music room and office, Nurse’s room, Offices 1 – 3, Principal’s office, Assistant principal, Room 4 prep, Art room, Kitchen storage, Rooms 2, 4, 5, 12, 14, 15, 19, 20, 21, 23, 24, 26 – 32, 34 & 36

20. Green/white sink under coating – Room 31& Nurse
21. CMU – Supply storage (exterior wall filled in garage door), Hall 2, Rooms 12 – 15, Breezeway 1, Hall 5, Rooms 32 – 36, Storage 5, Storage 6, Storage, Maintenance shop, Gym & Room 25-window fill-in
22. Mortar – Supply storage (exterior wall filled in garage door), Hall 2, Rooms 12 – 15, Breezeway 1, Hall 5, Rooms 32 – 36, Storage 5, Storage 6, Storage, Maintenance shop, Gym & Room 25-window fill-in
23. 4” Ceramic wall tile grout – Gray: Girl’s 1, Girl’s 2, Slop sink rooms, Kitchen (mixed with white) Blue: Storage 1 & Bath 3 White: Boy’s 1, Boy’s 2, Bath 1, Bath 2, Wash room, Kitchen (mixed with gray) and Nurse’s bathrooms
24. 4” Ceramic wall tile adhesive – Gray: Girl’s 1, Girl’s 2, Slop sink rooms, Kitchen (mixed with white) Blue: Storage 1 & Bath 3 White: Boy’s 1, Boy’s 2, Bath 1, Bath 2, Wash room, Kitchen (mixed with gray) and Nurse’s bathrooms
25. Top coat plaster – Supply storage, teacher’s, custodian & tech education, security, bath 1 with ceramic, wash room with ceramic, storage & hall behind auditorium, music room, kitchen office, hard ceilings in locker room area, auditorium
26. Sheetrock - Associated with ceramic tile in bathrooms
27. Backer board - Associated with ceramic tile in Boy’s 2
28. Joint compound – Associated with bathrooms
29. Brown coat plaster – Supply storage, teacher’s, custodian & tech education, security, bath 1 with ceramic, wash room with ceramic, storage & hall behind auditorium, music room, kitchen office, hard ceilings in locker room area, auditorium
30. Sheetrock – Associated with plaster walls
31. Skim coat – Boy’s locker room office walls, Office 1 (over old walls), Principal’s office (over old walls), Tech education storage bays (not to ceiling), Cafeteria storage, Art, Quiet room in art, Maintenance shop divider wall and band storage
32. Sheetrock – Boy’s locker room office walls, Office 1 (over old walls), Principal’s office (over old walls), Tech education storage bays (not to ceiling), Cafeteria storage, Art, Quiet room in art, Maintenance shop divider wall and band storage
33. Roof drain insulation
34. Red HVAC mastic - Associated with HVAC ducts
35. Tar paper over fiberglass on HVAC ducts – AHU rooms

<b>Hazard Rank</b>	<b>ACBM Condition</b>	<b>ACBM Disturbance Potential</b>
7	Significantly Damaged	Any
6	Damaged	Potential for Significant Damage
5	Damaged	Potential for Damage
4	Damaged	Low
3	Good	Potential for Significant Damage
2	Good	Potential for Damage
1	Good	Low

Removal Rank	AHERA Category	Response Action Required By AHERA
1	Significantly Damaged	Evacuate or isolate the area if needed. Remove the ACBM or enclose/encapsulate if sufficient to contain fibers. Repair of thermal systems is allowed if feasible and safe. Continue O&M
2	Damaged & Potential for Significant Damage	Evacuate or isolate the area if needed. Remove, enclose or encapsulate or repair to correct damage. Take steps to reduce potential for disturbance. Continue O&M
3	Damaged & Potential for Damage	Evacuate or isolate the area if needed. Remove, enclose or encapsulate or repair to correct damage. Take steps to reduce potential for disturbance. Continue O&M
4	Damaged	Evacuate or isolate the area if needed. Remove, enclose or encapsulate or repair to correct damage. Take steps to reduce potential for disturbance. Continue O&M
5	Potential for Significant Damage	Evacuate or isolate the area if needed. Take steps to reduce potential for disturbance. Continue O&M
6	Potential for Damage	Continue O&M
7	All remaining ACBM	Continue O&M

## ACTION SHEET

Based on the current three-year AHERA Re-inspection of the Leicester Middle School, the following actions for ongoing asbestos management in the school are recommended:

### **SIX-MONTH SURVEILLANCE**

Every six months a periodic surveillance of known and assumed asbestos-containing materials in the school must be conducted and documented. The chart included in this report may be used for the documentation. Use the right-hand columns to indicate changes in the condition or quantity of a material, and explain the changes in the comment section at the bottom of each page. Be sure to include the date of the survey and the signature of the person who conducted it at the end of the chart.

### **TRAINING**

In the event that the LEA's Designated Person changes or new maintenance personnel are hired, the LEA must have Asbestos Awareness Training provided for these individuals.

Training will be conducted in accordance with the included Training Policy.

Staff has some knowledge of asbestos containing materials in their schools however in light of the new materials identified, training should be conducted again and custodial and maintenance staff taught the location and type of ACM materials in their school.

The LEA has hired a new Designated Person, David White. Mr. White has the appropriate training for designated person. His certificate can be located in the files.

### **RECORD KEEPING**

Each LEA must keep an updated copy of the Management Plan in its administrative office for each school under its administrative control or direction. This plan must be available, without restriction, to the public, school personnel and their representatives, parents and representatives of EPA and the state, for inspection during normal business hours.

Continue to update files pertaining to:

- a. Training/Licensing of school personnel
- b. Notifications
- c. Response Actions
- d. Re-inspection

Refer to Record Keeping Policy.

### **LABELING**

All friable asbestos-containing materials in routine maintenance areas must be maintained with identifying labels. The labels can help to prevent damage to known and assumed asbestos containing materials. In addition labelling allows for un-trained personnel to be aware of potentially asbestos containing materials in areas they may be accessing.

**CAUTION  
ASBESTOS HAZARDOUS  
DO NOT DISTURB  
WITHOUT PROPER  
TRAINING AND EQUIPMENT**

**CLEANING**

In the event that friable materials become damaged in an occupied space, the materials should be repaired and debris cleaned by qualified trained personnel with proper cleaning equipment and personal protective equipment.

The debris above the ceiling in Hall 3 should be cleaned using HEPA vacuum and wet wipe technique due to the presence of damaged known asbestos containing material. Cleaning of the remainder of the areas where damaged known ACM is located should be conducted as part of a response action. See response actions for further information.

The school should use commercial grade HEPA vacuums in lieu of dry sweeping.

Should new damage to assumed and/or proven asbestos containing materials occur this will require a Response Action. The cleaning associated with this damage should be reviewed and directed by the certified Asbestos Abatement Designer.

**RECOMMENDED RESPONSE ACTIONS**

All known and assumed asbestos-containing materials must be monitored for any change in condition. Every precaution and extreme care should be taken to keep these materials in an undamaged condition. In the event that a material is damaged, the appropriate response action should be taken to deal with the situation. Proposed response actions are based on the inspector's physical assessment of ACM according to AHERA assessment categories and the management planner's classification of hazard potential. The physical assessment categories are detailed on the attached chart.

All response actions should be implemented in a timely manner and must be carried out by the appropriate accredited personnel; sampling by an accredited Asbestos Inspector, designed by an accredited Asbestos Abatement Designer and conducted by appropriately accredited asbestos abatement workers and supervisors. All necessary documentation pertaining to the response action must be obtained by the Designated Person and incorporated into the Record Keeping program of the Management Plan.

**PIPE AND FITTING INSULATION**

Several types of insulation were noted in the school. These materials were sampled and proven to be asbestos containing and have as hazard rank of 6. The majority of the insulation is intact; however there are a few areas that would require repair and cleaning. Specifically the 4" pipe insulation (mag) in the boiler room at the water main and air-cell insulation in room 25 and 8/10 prep rooms have the ends exposed. The exposed ends should be wet wrapped and the area around it HEPA vacuumed and wet wiped.

Additionally any damaged fittings should also be wet wrapped and the area around it HEPA vacuumed and wet wiped.

Above the ceiling in Hall 3, damage was noted to the paper wrap pipe insulation. This line should be repaired and the debris above the ceiling should be HEPA vacuumed and wet wiped. Ceiling tiles where debris was noted should then be replaced.

The repair and clean-up should be conducted by trained asbestos abatement contractor and a waste shipment record developed for the waste.

Time frame: These materials should be removed during the summer break; ceiling tiles in Hall 3 should not be moved at this time.

### **CERAMIC TILE GROUTS AND ADHESIVES**

The 1”x 1” ceramic floor tile and the 2” x 2” ceramic floor tile are intact and have a hazard rank of 2. The 1” x 3” ceramic wall tile is damaged in the storage room which is accessible by adult staff only and has a hazard rank of 4. The grouts and adhesives associated with the ceramic tiles are an assumed asbestos containing material. Grouts and adhesives should be sampled and to determine if asbestos is present. If the samples indicate the materials are asbestos containing they must be removed or repaired and the condition causing the damage corrected.

Time frame: Sampling of the remaining ceramic wall tile and floor tile grouts and adhesives should be conducted during summer break.

### **DRYWALL JOINT COMPOUND**

The drywall joint compound located in original building is an asbestos containing material and has as hazard rank of 2. The drywall joint compound is in an intact condition. The condition of this material should be monitored during the six-month surveillances, which is performed as required by a knowledgeable person.

Time frame: No response action is needed at this time.

### **FLOOR TILES & ASSOCIATED MASTICS**

The different types of floor tile and mastic are assumed materials and have a hazard rank of 5. Floorings have very minor areas of cracking and of deterioration due to wear and location; generally at threshold. However at this time, there is no floor tiles identified which was damaged requiring removal. Until all floor tiles are sampled they must be considered to be an asbestos containing material. All identified floorings should not be impacted until sampled and proven not to be asbestos containing.

Until sampling occurs, maintain flooring with a substantial coat of wax and monitor to verify no further damage occurs. This should be reviewed with the custodial staff immediately and waxed as necessary.

Time frame: Sampling should be conducted when flooring is expected to be impacted (changed, removed). Until such time as the flooring is proven to not contain asbestos, all floor tiles should be maintained with a substantial coat of wax and care should be taken to not cause damage.

## **ASSUMED MATERIALS**

The remaining materials identified during the AHERA inspection as assumed should be sampled and to determine if they contain asbestos. Until such time, they must be treated as asbestos containing and all efforts should be taken not to disturb assumed materials.

Funding should be reviewed so that sampling can be conducted to accurately know if these materials are asbestos containing. The condition of the materials should be monitored during the six-month surveillances, which is performed as required by a knowledgeable person.

Time frame: Sampling of the assumed materials not previously discussed should begin as soon as the moneys can be appropriated. In total it is reasonable to assume that approximately 20 samples may need to be collected of assumed material. Sampling should be completed within the next three years.

## **ASSOCIATED COSTS**

1. Repair pipe & fitting insulation and HEPA vacuum adjacent areas
  - Design by licensed Asbestos Abatement Designer ≈ \$2,500
  - Licensed Asbestos Abatement Contractor ≈ \$6,000
  - Project Monitor ≈ \$1,000
  - Samples (approximately) ≈ \$1,000
2. Sample ceramic tile grouts and adhesives;  
\$400 plus \$25/sample ≈ \$825
3. Awareness Training ≈ \$1500\*
4. 6 Month Periodic surveillance ≈ \$3600 annually\*
5. Three Year Re-inspection ≈ \$3750\*

\* This estimated resource allotment is inclusive of all the schools in the school system

All work beyond the capabilities of a trained and licensed in house O&M maintenance person must be performed by a licensed and qualified asbestos removal contractor. A licensed Project Designer must design all abatement projects outside of O&M.

**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

**ASSUMED AND PROVEN ASBESTOS-CONTAINING MATERIALS**

Material & Amount	Location	Type & Friability	Physical Assessment Category	Type/% Asbestos & # of Samples	Comment	Six Month Surveillances & Re-inspections					
						6-mo.	12-mo.	18-mo.	24-mo.	30-mo.	3-YR
Joint compound associated with sheetrock walls (older/original) (~ 400 SF)	Main office area, Mail room, Guidance, Book storage 1, Book storage 2, Principal's office, Vault, Storage 7, Bath 7, Assistant principal, Offices 1 – 3, Nurse's and associated bathrooms, Library, Library conference room, Library server room, Supply storage, Room 20 prep, Room 2 prep, Room 8 prep, Room 10 prep, Room 25 closet, Shared classroom walls in rooms 2 – 11, 19, 20, 24 - 31	S, F	5	28684-21A: Chrysotile 2%							✓
9"x 9" Brown floor tile with white and dark brown striations (~ 11,800 SF)	Main office area, Mail room, Guidance, Book storage 1, Book storage 2, Teacher's room, Music room & office, Storage rooms 1-3 and hall behind auditorium, Kitchen office, Band storage, Room 2 prep, Room 20 prep, Rooms 2, 6, 7, 8, 9, 10, 11, 20, 24, 26, 28, 30 and under carpet in Team chair, Principal's office, Assistant principal's office, Library, Library conference room, Library server room	M, NF	4 <sup>1</sup>		Damaged in Rooms 2, 7, 8, 26						C
Associated mastic (~ 11,800 SF)		M, NF	7 <sup>1</sup>								

**Key**

Type	Amount	Friability
T-TSI	SF-Square feet	F-Friable
S-Surfacing	LF-Linear feet	NF-Non-friable

**Physical Assessment**

*Assessment Categories for Friable Materials*  
 1. Damaged or significantly damaged TSI  
 2. Damaged (D) surfacing  
 3. Significantly damaged (SD) surfacing  
 4: Damaged or significantly damaged misc.

5: Suspect or proven ABCM with the potential for D (\*one moderate)  
 6: Suspect or proven ABCM with the potential for SD (\*one high)  
 7. Any remaining suspect or proven ACBM (\*all low)

*\*Potential for future disturbance for categories 5, 6, & 7*  
 Access, Vibration, Air Erosion: L-low M-medium H-high

Comments: X (4,5,6,7)<sup>1</sup>: non friable materials are not characterized under AHERA however MA DLS requests this information.

**Six Month Surveillance & Re-inspections**

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<b>6-mo.</b> Date:	Signature:	<b>18-mo.</b> Date:	Signature:
<b>12-mo.</b> Date:	Signature:	<b>24-mo.</b> Date:	Signature:
<b>30-mo.</b> Date:	Signature:	<b>3-YR Re-inspect:</b> Date: 4/17/19	Signature:

*Lynne Brimhall*

**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

**ASSUMED AND PROVEN ASBESTOS-CONTAINING MATERIALS**

Material & Amount	Location	Type & Friability	Physical Assessment Category	Type/% Asbestos & # of Samples	Comment	Six Month Surveillances & Re-inspections					
						6-mo.	12-mo.	18-mo.	24-mo.	30-mo.	3-YR
9"x 9" Tan floor tile with white and brown streaks (≈ 400 SF)	Rear half of room 10, patches in Teacher's room, Room 26 & Room 24	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 400 SF)		M, NF	7 <sup>1</sup>								✓
9"x9" Maroon floor tile with orange and white streaks (≈ 240 SF)	Cafeteria storage, Quiet room in Art, patches in Room 8	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 240 SF)		M, NF	7 <sup>1</sup>								✓
12"x 12" Orange mottled floor tile (≈ 4,800 SF)	Room 4, Room 4 prep, Room 23, Art room, Hall 1, Hall 6, Hall 7	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 4,800 SF)		M, NF	7 <sup>1</sup>								✓
12"x 12" Off white floor tile with gray, white, and cream mottles (≈ 14, 800 SF)	Rooms 5, 12, 14, 15, 19, 21, 27, 28, 29, 31, 32, 33, 36, Nurse, Office area (offices 1, 2, 3 & hall)	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 14, 800 SF)		M, NF	7 <sup>1</sup>								✓

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**Physical Assessment**

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 3. Significantly damaged (SD) surfacing  
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 Access, Vibration, Air Erosion: L-low M-medium H-high

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**Six Month Surveillance & Re-inspections**

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<b>30-mo.</b> Date:	Signature:	<b>3-YR Re-inspect:</b> Date: 4/17/19	Signature:

*Lynne Brimhall*

**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

**ASSUMED AND PROVEN ASBESTOS-CONTAINING MATERIALS**

Material & Amount	Location	Type & Friability	Physical Assessment Category	Type/% Asbestos & # of Samples	Comment	Six Month Surveillances & Re-inspections					
						6-mo.	12-mo.	18-mo.	24-mo.	30-mo.	3-YR
12"x12" Light green floor tile with gold mottles (≈ 2,400 SF)	Room 13, Room 25 & Stand/seating area in Gym	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 2,400 SF)		M, NF	7 <sup>1</sup>								✓
12"x12" Dark gray mottled floor tile (≈ 1,600 SF)	Hall 3, Hall 4	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 1,600 SF)		M, NF	7 <sup>1</sup>								✓
12" Blue floor tile with black, white & gray mottles (≈ 1,800 SF)	Hall 2, Hall 5	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 1,800SF)		M, NF	7 <sup>1</sup>								✓
12" Blue-gray mottled floor tile (≈ 4,000 SF)	Breezeway 1, Cafeteria	M, NF	6 <sup>1</sup>								✓
Associated mastic (≈ 4,000 SF)		M, NF	7 <sup>1</sup>								✓
Gym floor (≈ 3,800 SF)	Gym	M, NF	6 <sup>1</sup>								✓

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**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

**ASSUMED AND PROVEN ASBESTOS-CONTAINING MATERIALS**

Material & Amount	Location	Type & Friability	Physical Assessment Category	Type/% Asbestos & # of Samples	Comment	Six Month Surveillances & Re-inspections					
						6-mo.	12-mo.	18-mo.	24-mo.	30-mo.	3-YR
4'x 1' Wire reinforced windows (≈ 1,070 SF)	Lights above rooms (associated with concrete panels), Security (4'x 4' window)	M, NF	7 <sup>1</sup>		Glazing						✓
Lab tabletops (≈ 170 SF)	Room 10	M, NF	6 <sup>1</sup>								✓
Blackboards (≈ 2,300 SF)	Rooms 2 – 15, 19 – 33 and 36	M, NF	6 <sup>1</sup>		In classrooms 2-11 there are two boards per room; 1 is approximately 12'x4' and the other is approximately 8'x3'. In classrooms 19-30 there are two boards per room; 1 is approximately 10'x4' and the other is approximately 5'x4'. In classrooms 13-15 & 32-36 there are two boards per room; 1 is approximately 12'x4' and the other is approximately 22'x4'.						✓
Soap stone sink (≈ 5 SF)	Room 4	M, NF	6 <sup>1</sup>								✓
Black sink under coating (≈ 42 SF)	Art (4), Room 20 and Room 29	M, NF	6 <sup>1</sup>	28684-15: Chrysotile 5%							✓
2" Ceramic floor tile grout (≈ 800 SF)	Mauve: Boy's 1 & Boy's 2 Gray: Slop sink1 & Slop sink 2	M, NF	6 <sup>1</sup>								✓
2" Ceramic floor tile adhesive (≈ 800 SF)	Blue: Girl's 1 & Girl's 2	M, NF	7 <sup>1</sup>								✓

**Key**

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**Six Month Surveillance & Re-inspections**

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**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

**ASSUMED AND PROVEN ASBESTOS-CONTAINING MATERIALS**

Material & Amount	Location	Type & Friability	Physical Assessment Category	Type/% Asbestos & # of Samples	Comment	Six Month Surveillances & Re-inspections						
						6-mo.	12-mo.	18-mo.	24-mo.	30-mo.	3-YR	
1" Ceramic floor tile grout (~2,100 SF)	Bathrooms in Nurse's office, Wash room, Storage 7, Bath 7, Bath 1, Bath 2, Bath 3, Bath 5, Bath 6, Storage 4, Storage 5, Storage 6, Showers and bathrooms in boy's and girl's locker rooms	M, NF	6 <sup>1</sup>									✓
1" Ceramic floor tile adhesive (~2,100 SF)		M, NF	7 <sup>1</sup>									✓
1"x 3" Ceramic wall tile grout (~2,000 SF)	Cafeteria (5' up walls), Storage room (wall shared with tech ed.), Hall 3 (walls shared with tank room, boiler room, entry area & music area), Hall 4, Hall 5 (walls shared with locker room), Auditorium (5' up walls), Room 36 (wall shared with Art), Room 33 (wall shared with 31), Room 32 (wall shared with 30), Room 13 (wall shared with 11), Room 12 (wall shared with 10)	M, NF	4 <sup>1</sup>		Damaged in Storage room							C
1"x 3" Ceramic wall tile adhesive (~2,000 SF)		M, NF	7 <sup>1</sup>									✓
Hard packed fittings associated with 2" to 2 1/2" fiberglass lines (~120 fittings)	Boiler room (4), Hall 3 (6), Hall 4 (12), Teacher's room (16), Tech Ed. (18), 30 (2), 25 (6), 19 (8), Girl's 1 (2), Library (6), Principal (4), AHU rooms (36)	T, F	1	28684-89: Chrysotile 10%								✓

**Key**

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**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

**ASSUMED AND PROVEN ASBESTOS-CONTAINING MATERIALS**

Material & Amount	Location	Type & Friability	Physical Assessment Category	Type/% Asbestos & # of Samples	Comment	Six Month Surveillances & Re-inspections					
						6-mo.	12-mo.	18-mo.	24-mo.	30-mo.	3-YR
Hard packed fittings associated with 6" fiberglass lines (27 fittings)	Boiler room	T, F	5	28684-90: Chrysotile 8%							✓
4" Pipe insulation (mag) associated with domestic water (≈ 80 LF)	Boiler room (4" reduces to 3") and Tank room	T, F	1		Raw ends at Main						C
Air cell insulation & hard packed fittings associated with domestic hot water (≈ 1, 300 LF)	Bath 1 (10), Hall 3 (30), Storage 3 (5), Bath 1 (10), Hall 6 (40), 31 (4), 25 (24), Rooms 24 - 28 (180), 6 - 10 (180) 8/10 Prep rooms (40), Supply (136), Hall 1 (40), Rooms 2 - 8 (280), Front office area/Hall 7/Room 20 (320)	T, F	1	28684-94: Chrysotile 40%	Some ends are exposed but majority is intact and painted. It is possible that where identified it maybe the paper wrap insulation.						✓
Paper wrap insulation associated with domestic cold water (≈ 10 LF)	Hall 3	T, F	1	28684-95: Chrysotile 10%	Debris noted above ceiling in hall 3						✓
Breeching (≈ 770 SF)	Boiler room	T, F	5								✓
Generator muffler exhaust (≈ 12 SF)	Boiler room	T, F	5								✓

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**Six Month Surveillance & Re-inspections**

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**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

<b>MATERIALS THAT HAVE BEEN ABATED/REMOVED OR PROVEN TO NOT CONTAIN ASBESTOS</b>			
<u>Material</u>	<u>Location</u>	<u>Samples</u>	<u>Comment</u>
Roof panels	Decking in the original building (Main office area, Nurse, Principal and offices, Assistant principal, Boy's and Girl's rooms, Book supply rooms, Supply storage room, Slop sinks, prep rooms, Library, Hallways 1, 6, 7, Rooms 2, 4, 5, 6, 7, 8, 9, 11, 10, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31)		Visually identified as fiberglass
Pre-fabricated concrete wall panels	Library, Hallways 1, 6, 7, Rooms 2, 4, 5, 6, 7, 8, 9, 11, 10, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31 & locker rooms	28684-18 through -20	This material is typically the hallway wall and exterior wall of classrooms
Sheetrock walls (old/original)	Main office area, Mail room, Guidance, Book storage 1, Book storage 2, Principal's office, Vault, Storage 7, Bath 7, Assistant principal, Offices 1 - 3, Nurse's and associated bathrooms, Library, Library conference room, Library server, Supply storage, Room 20 prep, Room 2 prep, Room 8 prep, Room 10 prep, Room 25 closet, Shared classroom walls in rooms 2 - 11, 19, 20, 24 - 31	28684-21 through -23	
Wood paneling on walls	Office		Per regulations, wood is not a suspect material
2'x4' Thick fissured ceiling tile with dots - older	Office and part of hall by vault	28684-24 through -26	
2'x4' Thin fissured ceiling tile with lots of dots - newer	Team Chair, Office 2, Library, Library conference room, Boy's 1, Boy's 2, Girl's 2, Rooms 2, 4, 5 - 11, 19, 20, 24, 26, 28, 30	28684-27 through -29	
2'x4' Small fissured ceiling tile with dots	Cafeteria, Rooms 21 & 23	28684-42 through - 44	
2'x4" Large dot & small dot ceiling tile	Principal's office and Office 1	28684-50 &-51	
2'x2' Small fissured ceiling tile with dots	Girl's 1, Rooms 12, 14, 15, 32	28684-30 through -32	

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**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

<b>MATERIALS THAT HAVE BEEN ABATED/REMOVED OR PROVEN TO NOT CONTAIN ASBESTOS</b>			
<u>Material</u>	<u>Location</u>	<u>Samples</u>	<u>Comment</u>
2'x2' Thin fissured ceiling tile with dots	Rooms 13, 34, 36, Breezeway 1, Hall 2, Hall 4, Hall 5, Storage 5 & Storage 6	28684-47 through-49	Similar to the 2'x4' old
2'x2' Thin fissured ceiling tile with lots of dots	Rooms 33 and mixed in hall 5 and room 19	28684-39 through- 41	Similar to 2'x4' new
Fiberglass ceiling tiles	Kitchen		Visually identified as fiberglass
1'x1' Spline ceiling tile on wall	Auditorium	28684-45 & -46	
Mastic associated with 2" brown cove base	Office, Guidance, Team chair	28684-1 through -3	
Mastic associated with 1" gray cove base	Rooms 13 & 33	28684-4 through -5	
Mastic associated with 2" green cove base	Room 25	28684-5A	
Mastic associated with 6" black cove base	Library	28684-12 & -13	
Mastic associated with 1" black cove base	Mail room, Custodian's office, Guidance, Cafeteria storage, Room 2, Room 2 prep, Auditorium hall and storage rooms, Book storage 1, Band storage, Rooms 6 – 11 including prep rooms, AHU Rooms, Book storage 2	28684-6 through - 8	
Mastic associated with 2" black cove base	The 2" black cove base is the style of cove base throughout the school. Specific locations include: All hallways, Security, Storage, 1 wall in Maintenance shop, Teacher's room, Cafeteria, Music room and office, Nurse's room, Offices 1 – 3, Principal's office, Assistant principal, Room 4 prep, Art room, Kitchen storage, Rooms 2, 4, 5, 12, 14, 15, 19, 20, 21, 23, 24, 26 – 32, 34 & 36	28684-9 through - 11	

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30-mo. Date:	Signature:	3-YR Re-inspect: Date: 4/17	Signature: <i>Lynne Brimhall</i>

**3 YEAR RE-INSPECTION**  
**Leicester Middle School**  
**April 17, 2019**

<b>MATERIALS THAT HAVE BEEN ABATED/REMOVED OR PROVEN TO NOT CONTAIN ASBESTOS</b>			
Green/white sink under coating	Room 31 & Nurse's room	28684-16 & -17	
CMU	Supply storage (exterior wall filled in garage door), Hall 2, Rooms 12 – 15, Breezeway 1, Hall 5, Rooms 32 – 36, Storage 5, Storage 6, Storage, Maintenance shop, Gym & Room 25-window fill-in	28684-33 through -35	
Mortar		28684-36 through - 38	
Top coat plaster	Supply storage, teacher's, custodian & tech education, security, bath 1 with ceramic, wash room with ceramic, storage & hall behind auditorium, music room, kitchen office, hard ceilings in locker room area, auditorium	28684-58 through - 64	
Brown coat plaster		28684-65 through - 67	
Sheetrock	Associated with plaster walls	28684-68 through -70	
4" Ceramic wall tile grout	Gray: Girl's 1, Girl's 2, Slop sink rooms, Kitchen (mixed with white)	28684-52 through - 54	6 feet up walls with sheetrock or backer board
4" Ceramic wall tile adhesive	Blue: Storage 1 & Bath 3 White: Boy's 1, Boy's 2, Bath 1, Bath 2, Wash room, Kitchen (mixed with gray) and Nurse's bathrooms	28684-55 through - 57	
Sheetrock	Associated with ceramic tile in bathrooms	28684-80 &-81	
Backer board	Associated with ceramic tile in Boy's 2	28684-82 &-83	
Joint compound	Associated with bathrooms	28684-84 through -88	
Skim coat	Boy's locker room office walls, Office 1 (over old walls), Principal's office (over old walls), Tech education storage bays (not to ceiling), Cafeteria storage, Art, Quiet room in art, Maintenance shop divider wall and band storage	28684-71 through -73	
Sheetrock		28684-74 through -76	
Roof drain insulation	Throughout school		Visually identified as fiberglass
Fiberglass insulation	Heating lines		Visually identified as fiberglass
Red HVAC mastic	Associated with HVAC ducts	28684-77 through -79	
Tar paper over fiberglass on HVAC ducts	AHU Rooms	28684-91 & -92	

**Key**

Type	Amount	Friability
T-TSI	SF-Square feet	F-Friable
S-Surfacing	LF-Linear feet	NF-Non-friable

**Physical Assessment**

*Assessment Categories for Friable Materials*  
 1. Damaged or significantly damaged TSI  
 2. Damaged (D) surfacing  
 3. Significantly damaged (SD) surfacing  
 4. Damaged or significantly damaged misc.

5: Suspect or proven ABCM with the potential for D (\*one moderate)  
 6: Suspect or proven ABCM with the potential for SD (\*one high)  
 7. Any remaining suspect or proven ACBM (\*all low)

*\*Potential for future disturbance for categories 5, 6, & 7*

Access, Vibration, Air Erosion: L-low M-medium H-high

Comments: X (4,5,6,7)<sup>1</sup> non friable materials are not characterized under AHERA however MA DLS requests this information.

**Six Month Surveillance & Re-inspections**

Fill in the corresponding box with a **√** for no change in condition or a **C** for a change in the status of a material. Write details about changes in the comment area below the chart on the same page. The person conducting the surveillance must sign and date below.

<b>6-mo.</b>	Date:	Signature:	<b>18-mo.</b>	Date:	Signature:
<b>12-mo.</b>	Date:	Signature:	<b>24-mo.</b>	Date:	Signature:
<b>30-mo.</b>	Date:	Signature:	<b>3-YR Re-inspect:</b>	Date: 4/17	Signature: <i>Lynne Brimhall</i>

\*suspended ceiling

# Master Rooms

Academic wing corridors, cafeteria,  
 Art Rm, Rm#4, #23, - VCT over VAT  
 Library - carpet squares over VAT  
 Ramped areas - 2 - VCT over concrete  
 Office area - VAT

LEICESTER MIDDLE SCHOOL

LEICESTER MA 01524

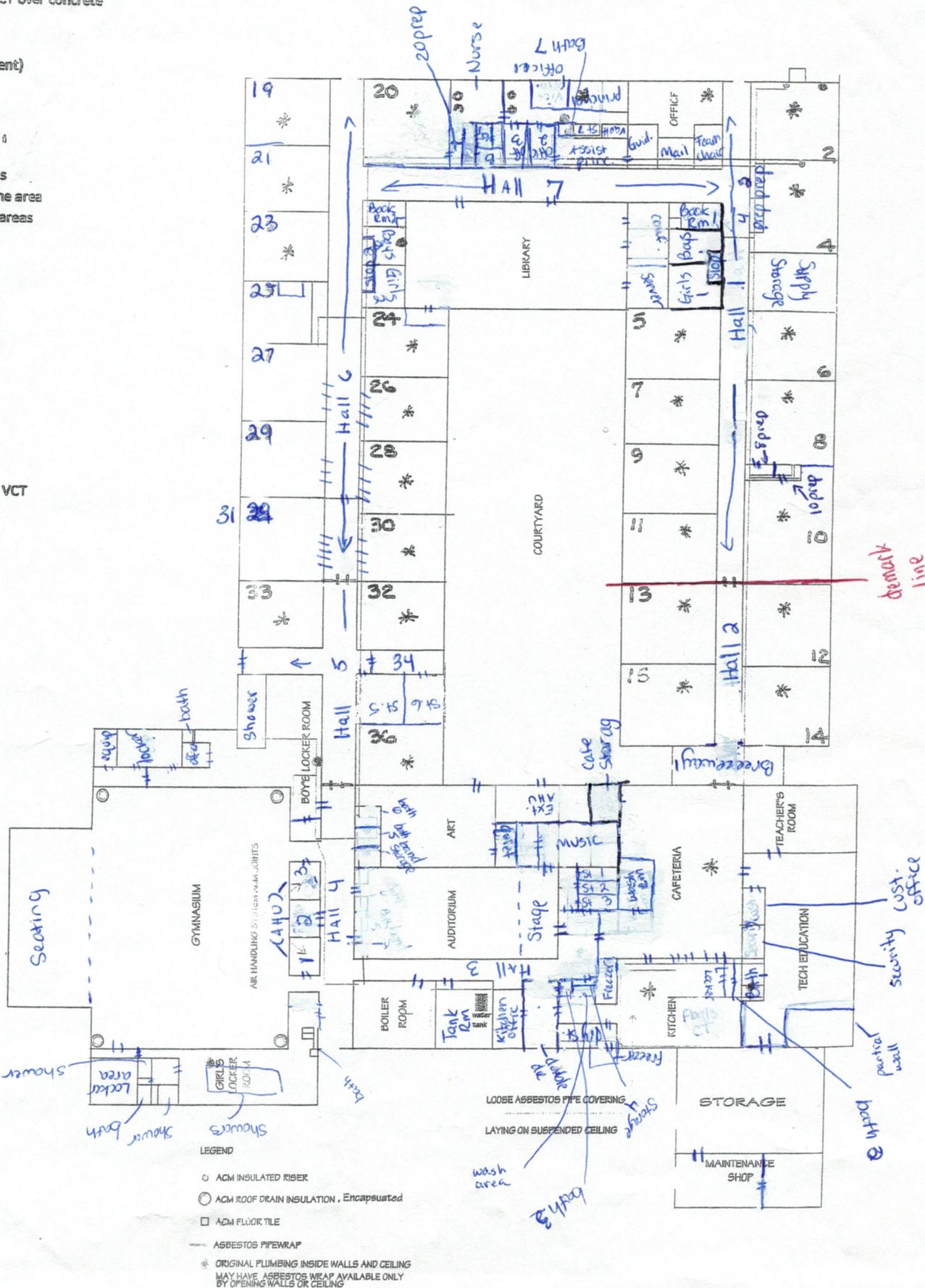
## Tile Repair (replacement)

- Rm#2 - one area
- Rm#6 - three areas
- Rm#8 - 11 areas
- Rm#10 - 8 areas
- Teacher's Rm - 8 areas
- Library Server Rm - one area
- Library Comp. Rm - 3 areas
- Rm#5 - 8 areas
- Rm#7 - one area
- Rm#19 - one area
- Rm#20 - 7 areas
- Rm#21 - 3 areas
- Rm#24 - 6 areas
- Rm#29 - 8 areas
- Rm#27 - 5 areas
- Rm#28 - 2 areas
- Rm#29 - 2 areas
- Rm#33 - 2 areas

## Flooring installed 1988 VCT

- Rm#25
- Rm#12
- Rm#13
- Rm#14
- Rm#15
- Rm#32
- Rm#33
- Rm#36

Auditorium  
 Carpet/concrete/VAT







# Wall Drawing

Key	
	Pre-fabricated concrete wall panels
	Sheetrock
	4" Ceramic wall tile
	1"x3" Ceramic wall tile
	CMU

LEICESTER MIDDLE SCHOOL

LEICESTER MA 01524



\*suspended ceiling

Academic wing corridors, cafeteria,  
Art Rm, Rm#4, #23, - VCT over VAT  
Library - carpet squares over VAT  
Ramped areas - 2 - VCT over concrete  
Office area - VAT

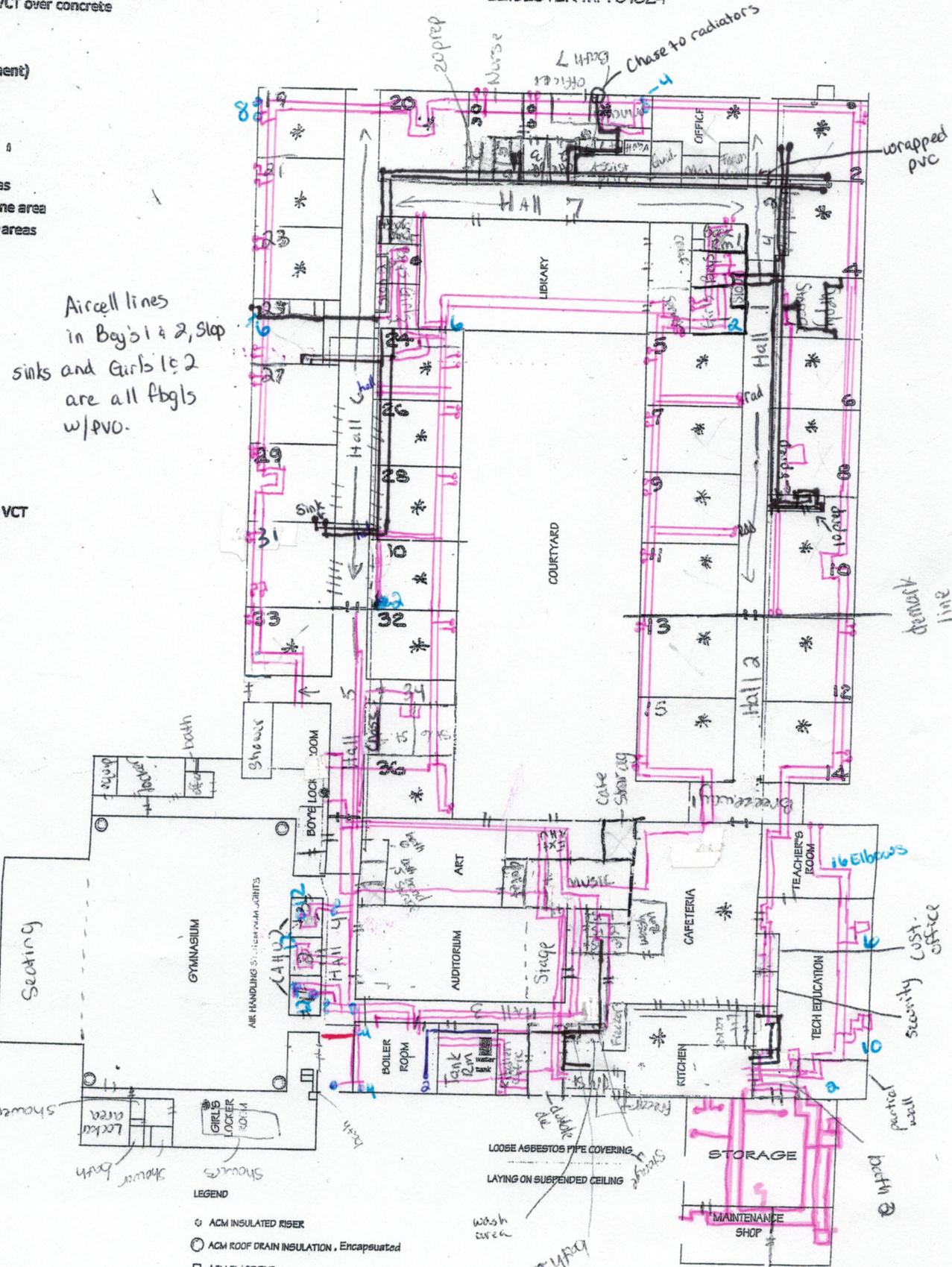
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- Rm#28 - 2 areas
- Rm#29 - 2 areas
- Rm#33 - 2 areas

### Flooring installed 1988 VCT

- Rm#25
- Rm#12
- Rm#13
- Rm#14
- Rm#15
- Rm#32
- Rm#33
- Rm#36

Auditorium  
Carpet/concrete/VAT



Aircell lines  
in Boy's 1 & 2, Slop  
sinks and Girls 1 & 2  
are all Abgls  
w/PVO.

wrapped in  
pvc

demark  
line

16 Elbows

Security  
Office

partial  
metal

- fiberglass
- mag
- aircell
- paper wrap
- o Acm Fitting

- LEGEND
- o ACM INSULATED RISER
  - o ACM ROOF DRAIN INSULATION, Encapsulated
  - o ACM FLOOR TILE
  - ASBESTOS PIPEWRAP
  - \* ORIGINAL PLUMBING INSIDE WALLS AND CEILING  
MAY HAVE ASBESTOS WRAP AVAILABLE ONLY  
BY OPENING WALLS OR CEILING

LOOSE ASBESTOS PIPE COVERING  
LAYING ON SUSPENDED CEILING

wash  
area

EXPAN

## B. Management Plan Documentation (AHERA Policies)

- Abatement Policy
- Training Policy
- Notification Policy
- Short Term Worker Policy
- Record Keeping Policy
- Designated Person Statement
- Assurance of Accreditation

## Abatement Policy

It is the policy of the Leicester Public Schools that asbestos removal, repair and/or O&M activities will be conducted by contract personnel. All contracted personnel will be licensed under the Commonwealth of Massachusetts and will be accredited through the Environmental Protection Agency Model Accreditation Program.

### ORGANIZATIONAL CHART

The following is an administrative/organizational chart identifying personnel involved with the asbestos operations and maintenance program (O&M) at this facility:

<u>Name</u>	<u>Title</u>	<u>Phone Number</u>
David White	Designated Person	508-450-3920
Hub Testing Laboratory	Contracted Inspector Management Planner Project Designer Project Monitor	781-893-8330

1. Although these individuals will be responsible for the execution of the Operations and Maintenance Program for this facility, they will not perform any of the O&M functions themselves.
2. An outside contractor(s) under the direction of the Designated Person and the certified Asbestos Abatement Project Designer will conduct the necessary abatement activity.
3. If unable to contact the above parties, coordination should be conducted through the Superintendent of Schools, Catherine A. Stickney.

### DESIGNATED PERSON'S RESPONSIBILITIES

The Designated Person's responsibilities include the following:

- a. Become knowledgeable of the results of the asbestos inspection.
- b. Have a working knowledge and understanding of the Management Plan.

- c. Ensure that all asbestos related activities are performed by appropriately trained individuals.
- d. Employ the services of outside consulting and contract personnel to assist in the implementation of the Management Plan.
- e. Comply with all federal, state and local regulations.

## **CUSTODIAL AND MAINTENANCE STAFF RESPONSIBILITIES**

The custodial and maintenance staff responsibilities include:

- a. Know and understand where ACBM is located in the building.
- b. Be able to recognize material, which has become damaged and requires a response.
- c. Know who the Designated Person is.
- d. Help to verify that the outside contractors do not damage an in-place ACBM.
- e. Notify the Designated Person of any observed changes to an existing ACBM.

## **PROHIBITED WORK/MAINTENANCE ACTIVITIES**

### **All employees are prohibited from the following activities**

- a. Holes must not be drilled into asbestos-containing materials except where previously described using proper procedures.
- b. Plants or pictures must not be hung on structures covered with asbestos-containing materials
- c. Do not saw, sand or drill asbestos-containing floor tile except where previously described using proper procedures.
- d. Do not damage asbestos-containing materials while moving furniture or other objects.
- e. Do not install curtains, drapes, or dividers in such a way that they damage asbestos containing materials.
- f. Do not dust floors, ceilings, molding, or other surfaces in asbestos-contaminated environments with a dry brush or sweep with dry broom.
- g. Do not use an ordinary vacuum to clean up asbestos-containing debris.
- h. Do not remove asbestos-containing ceiling tiles.
- i. Do not remove ventilation system filters while dry.
- j. Do not shake ventilation system filters.

**When non-friable ACM is likely to become friable as a result of activities performed in the building, the material must be treated as if it were friable.**

## **RESPONSE PROCEDURES IN DISASTROUS SITUATIONS**

In disastrous situations such as tornadoes, fires, floods and earthquakes; asbestos containing materials may suffer significant damage and therefore release asbestos fibers and pose immediate hazards to human health and environment. The following procedures should be followed in these situations:

- a. Protect yourself from immediate danger before following any asbestos response procedures.
- b. Remove unauthorized personnel and restrict access.
- c. As soon as the immediate emergency has passed, vacate the area.
- d. Contact the Designated Person or his/her assistant and follow their instructions.
- e. The Designated Person will be responsible for contacting the Response Team or an asbestos abatement contractor and must issue a work permit order before the start of any asbestos abatement procedures.
- f. The Designated Person shall notify state and local authorities when required.
- g. The contractor must immediately take all measures to vacate the area of unauthorized personnel, put up warning and danger signs, and rope-off or close off the area.
- h. The Designated Person and his/her agent (Project Monitor) shall oversee a post-work inspection to assure that all asbestos-containing materials have been properly removed or repaired and cleaned-up prior to re-occupancy.

## **Training Policy**

### **A. TRAINING PROGRAM**

The key element in initiating and carrying out this Asbestos Operations and Maintenance Plan is the building custodial and maintenance staff. This group is responsible for daily awareness of ACM as they perform their tasks. The custodial and maintenance staff will report any indication of potential problems resulting from changes of ACM condition, area use, or in maintenance practices. The custodial and maintenance staff will receive the 2-Hour Awareness Training. The following elements should be presented in the training programs:

#### **Custodial and Maintenance Personnel**

- a. Introduction – General background on asbestos including history, common uses of asbestos in building materials, explanation of the Asbestos Operations and Maintenance Plan in Policy, abatement efforts to date if applicable, etc.
- b. Medical/Mechanisms for Exposure – Condensed version of medical review from the 16 hour “Operations and Maintenance” training, along with similar mechanisms for exposure, with emphasis on fiber entrainment mechanisms.
- c. Location of ACBM and Presumed ACBM
- d. Recognition of damage, deterioration and delamination of ACBM.
- e. Name and telephone number of the Designated Person.
- f. Availability and location of Management Plan.
- g. Review of Management Plan Policies.

#### **School Administration**

Same as above however special attention will be made to the Administrations responsibility of over sight of potential asbestos concerns in their schools.

#### **In-house IT and contracted IT Personnel**

Same as above however special attention will be made to the potential asbestos concerns regarding running wires, drilling through walls, disturbing ceiling tiles and other building materials they may come in contact with in their daily operations.

**B. TRAINING UPDATE**

Training update sessions should be provided annually. The updating sessions should include all items listed in paragraph A – Training Program, plus any new issues or concerns, which may have arisen between sessions.

All custodial and maintenance staff and the Custodial and Maintenance Supervisors as well as IT Personnel shall attend the update in-service training annually.

School Administration shall attend the update in-service training as necessary.

All training records should be kept with the Asbestos O&M Plan.

**C. NEW EMPLOYEE TRAINING**

Each new employee will be trained in asbestos 2-Hour Awareness Training as part of his/her orientation program within 60 days of hire.

Each new employee will be given a tour of the areas where ACM is located.

All training records should be kept with the AHERA record keeping program.

**D. REQUIRED AND RECOMMENDED\* TRAINING COURSES FOR EMPLOYEES INVOLVED IN THE O&M PLAN**

Custodial & Maintenance Personnel	2-Hour Awareness Training
*IT Professionals	2- Hour Awareness
*School Administration	2-Hour Awareness
Designated Person	LEA Designated Person/Asbestos Coordinator Training

\*recommended; however not mandated by regulation.

**E. APPROVED ASBESTOS TRAINING SOURCES**

<b>Providers Name</b>	<b>City/State</b>	<b>Phone Number</b>
<hr/>		
<b>(Awareness Training)</b> <b>Hub Testing Laboratory</b>	<b>Waltham MA</b>	<b>781-893-8330</b>
<b>(Designated Person Training)</b> <b>Institute for Environmental Education</b>	<b>Wilmington MA</b>	<b>978-658-5272</b>

## Notification Policy

**Notification of asbestos containing materials and associated activities will take place in three forms; a notification to occupants as to the availability of the AHERA Inspections and Management Plan, an update on asbestos related activities within the schools and a notification as to the potential for asbestos containing materials to be present in routine mechanical spaces.**

A. Availability of the AHERA Inspection and Management Plan.

Annually the parents, guardians, employees and occupants will be notified as to the availability of the Asbestos Hazard Emergency Response Act Asbestos Inspections and Management Plan.

This notification will be conducted through:

A notice in the annual calendar sent out at the beginning of the school year and a notice located on the school systems website.

B. Update of asbestos related activities.

Annually at the beginning of the school year the parents, guardians, employees and occupants will be notified as to the current status of asbestos related activities in the schools. This will cover items such as periodic surveillances, inspections, and abatement activities.

This notification will be conducted through:

A posting on the school systems website.

C. Location of asbestos containing materials in routine maintenance areas.

The presence of asbestos containing materials will be posted in routine maintenance areas.

This notification will be conducted through:

The placement of yellow warning stickers immediately inside routine maintenance areas where asbestos containing materials are located. These will be areas such as crawlspaces, boiler rooms and electrical equipment spaces. The stickers will be standard manufactured in a bright yellow color. The wording shall be “Caution. Asbestos. Hazardous. Do Not Disturb Without Proper Training and Equipment.”

## Short Term Workers Policy

All short term workers who may come in contact with known or suspect asbestos containing materials should be made aware of the presence of asbestos in the Leicester Public Schools and adjust their work accordingly. If they feel their work may impact upon asbestos in the school buildings they should be in direct contact with the Designated Person to verify the possibility. If this is the situation the asbestos consultant should be called to confer or redirect activity so as not to disturb ACM. A sign-in sheet and copy of the AHERA materials chart will be placed at the office of each school.

In addition, a letter about the presence of asbestos containing materials was sent to contractors who continuously work within the district.



## NOTICE TO CONTRACTORS

**To:** All contractors who perform work in the Leicester Public School District

**Date:** January 29, 2019

**From:** David White, Director of Facilities

**RE:** Presence of Asbestos-Containing-Materials in the Leicester Public School District

Your work in the Leicester Public School District may disturb Asbestos-Containing Materials. Please review the AHERA plan on file at each school's office before proceeding with your work.

Materials may include:

Ceiling tiles, floor tiles, all 9X9 tile, Boiler insulation, pipe & elbow insulation, spray-on textured ceiling.

Disturbing Asbestos-Containing Materials and Presumed Asbestos-Containing Materials.

If you suspect material may contain asbestos, contact the district's designated person, David White at 508-892-7040 before disturbing it.

Personnel must be trained and authorized to disturb asbestos-containing materials. Personnel must follow Operations and Maintenance procedures to ensure that school occupants are not exposed to asbestos dust, and ensure that asbestos dust does not contaminate building areas. A licensed Asbestos Contractor is required when more than 3 square feet or 3 linear feet is disturbed. Labels are located on asbestos-containing materials located in non-public mechanical area. The lack of a label does not demonstrate that the material does not contain asbestos.

Please sign below and return this document to the Director of Facilities as an agreement that you have been notified of the presence of asbestos-containing materials, and your acceptance that you will not disturb suspect asbestos-containing materials.

---

Printed Name

Company

---

Signature

Date

Leicester Contractor Listing

Renaud HVAC  
18 Providence Road  
Sutton, MA 01590  
Ken Boutiette, Service Manager

Renaud Electrical  
18 Providence Road  
Wilkinsonville, MA 01590  
David Whamond, Service Manager

RH White Construction  
41 Central Street  
Auburn, MA 01501  
Chris Mayhin

William F Lynch Company  
50 Millbrook Street  
Worcester, MA 01606  
Scott Blanchard, Service Manager

## Record Keeping Policy

**All records associated with asbestos related activities in the Leicester Public Schools will be maintained in the Office of David White, Designated Person, located at 3 Washburn Square, 3<sup>rd</sup> Floor, in Leicester, Massachusetts. All records associated with asbestos related activities as they pertain to individual schools will also be maintained in each school's office in a central location.**

The following records are required to be maintained for each type of activity:

### Preventative Measure and Response Action for Friable and Non-Friable

- A. A detailed written description of measures or action taken.  
Including:
- B. Method used
- C. Reason for choosing method
- D. Start and completion dates
- E. Name and addresses of all contractors involved
- F. State accreditation and accreditation numbers
- G. Name an location of disposal facility

### For Any Air Samples That Are Collected For Completion Purposes

- A. Name and signature of any person collecting completion air samples
- B. Location where samples were collected
- C. Date of collection
- D. Name and address of laboratory analyzing samples
- E. Date of analysis
- F. Results of analysis
- G. Method of analysis
- H. Name and signature of person performing analysis
- I. Laboratory compliance with accreditation requirements

For Each Persons Required To Be Trained Under Section 763.92 (A) (1) (2) (Awareness And Associated Worker Training)

- A. Person's name
- B. Job title
- C. Date training was conducted
- D. Location of the training
- E. Number of hours of training completed

For Each Time That Periodic Surveillance Is Conducted

- A. Name of person performing surveillance
- B. Date of surveillance
- C. Any changes in the condition of the known or assumed asbestos containing materials

For Each Time Cleaning Is Performed Under 763.91 c

- A. Person performing cleaning,
- B. Date of cleaning
- C. Location cleaned
- D. Method used to clean

For each O&M activity is conducted

- A. Name of each person involved in activity
- B. Start and completion date of activity
- C. Location where activity occurred
- D. Description of activity
  - i. including
- F. Preventative measures used
- G. If ACBM is removed name and location of disposal facility

For Each Major Abatement Activity

- H. Name and signature of each person performing activity
- I. State and number of accreditation of each person performing activity
- J. Start and completion date
- K. Location where activity occurred
- L. Description of activity including preventative measures
- M. Name and location of disposal facility

For Each Fiber Release Episode

- A. Date of episode
- B. Location of episode
- C. Method of repair
- D. Preventative measures or response action taken
- E. Name of each person performing work
- F. Name and location of disposal facility

In addition copies of notifications made to parents, guardians, employees and occupants will be maintained. This will be a hard copy of the notification placed in the schools web page and in the annual calendar.

Mr. David White  
Designated Person  
Director of Facilities  
Leicester Public Schools  
3 Washburn Square, 3<sup>rd</sup> Floor  
Leicester, MA 01524

As Designated Person for the Leicester Public Schools, I will hereby:

- Ensure that activities of any persons that perform inspections, re-inspection, and periodic surveillance, develop and up date Management Plans, and implement response actions, including operations and maintenance activities, are carried out in accordance with 40 CFR Part 763 Subpart E.
- Ensure that all custodial and maintenance employees are properly trained as required by 40 CRF Part 763 Subpart E and other applicable federal and/or state regulations (e.g., the OSHA standards for construction, EPA worker Protection Rule, and/or applicable state regulations).
- Ensure that workers and building occupants or their legal guardians are informed at least once each year about inspections, response actions, and post response action activities including periodic re-inspection and surveillance activities that are planned or in progress.
- Ensure that short term workers (e.g., telephone repair workers, utility workers, computer wiring technicians, exterminators, etc.) who may come into contact with asbestos in a school are provided information regarding the location of ACBM and suspect ACBM assumed to be ACM.
- Ensure that warning labels are posted in accordance with 40 CFR Part 763.95.
- Ensure that Management Plans are available for inspection and notification of their availability has been provided as specified in the Management Plan and under 40 CFR Part 763.93 (g).
- Furthermore, I hereby state that I am/will be trained with a basic knowledge of:
  - Health effects of asbestos
  - Detection, identification and assessment of ACM
  - Options for controlling ACBM
  - Asbestos management programs
  - Relevant federal and state regulations concerning asbestos, including those in 40 CFR Part 763 Subpart E and those of the Occupational safety and Health Administration, US Department of Labor, the US Department of Transportation and the US Environmental Protection Agency.

  
Mr. David White  
Director of Facilities  
Leicester Public Schools

**INSTITUTE FOR ENVIRONMENTAL  
EDUCATION, INC.**

16 Upton Drive, Wilmington, MA 01887  
(Phone) 978.658.5272

*This is to certify that*  
David White

*has attended the 8-hour course*

**Asbestos Coordinator / LEA Designated Person**

May 26, 2009  
Course Dates

Course Location  
Institute for Environmental Education  
16 Upton Drive  
Wilmington, MA 01887

09-3905-107-240270  
Certificate Number

  
Training Director

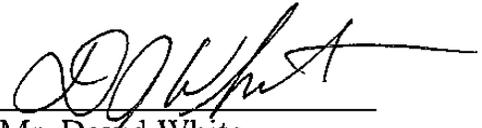


Mr. David White  
Designated Person  
Director of Facilities  
Leicester Public Schools  
3 Washburn Square, 3<sup>rd</sup> Floor  
Leicester, MA 01524

As Designated Person of the Leicester Public Schools, I hereby assure that all persons who have or will:

- Inspect for ACBM in school buildings,
- Prepare Management Plans for such buildings,
- Design response actions and/or abatement activities and/or
- Conduct response actions with respect to friable and non friable ACBM in such schools

shall be accredited as required by federal and state regulations.



---

Mr. David White  
Director of Facilities  
Leicester Public Schools

## C. Credentials



THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT  
DEPARTMENT OF LABOR STANDARDS

William D. McKinney,  
Director

**Asbestos Inspector**  
**SUSAN BOYLE**  
Eff. Date 07/10/18  
Exp. Date 07/10/19  
AI060146  
Member of C.O.N.E.S.  
BOS PS

**19**





*This is to certify that*  
**Susan Boyle**



*has completed the requisite training, and has passed an examination for  
reaccreditation as:*

## **Asbestos Inspector Refresher**

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location

Institute for Environmental Education  
16 Upton Drive Wilmington, MA 01887

June 21, 2018

Course Dates

18-1198-106-202989

Certificate Number

June 21, 2018

Examination Date

June 21, 2019

Expiration Date

  
Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

www.ieetrains.com

**INSTITUTE FOR ENVIRONMENTAL EDUCATION**



THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT  
DEPARTMENT OF LABOR STANDARDS

William D. McKinney,  
Director



Asbestos Inspector

LYNNE BRIMHALL

Eff. Date 12/19/18

Exp. Date 12/19/19

AI061531

Member of C.O.N.E.S.

HVR HV-11/19/19

19





*This is to certify that*

**Lynne G. Brimhall**

*has completed the requisite training, and has passed an examination for  
reaccreditation as:*

**Asbestos Inspector Refresher**

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

**Course Location**

Institute for Environmental Education  
16 Upton Drive Wilmington, MA 01887

**November 19, 2018**

Course Dates

**18-1208-106-231902**

Certificate Number

**November 19, 2018**

Examination Date

**November 19, 2019**

Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887 Telephone 978.658.5272

[www.ieetrains.com](http://www.ieetrains.com)

**INSTITUTE FOR ENVIRONMENTAL EDUCATION**



THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT  
DEPARTMENT OF LABOR STANDARDS

William D. McKinney,  
Director

**Asbestos Management Planner**

**LYNNE BRIMHALL**

Eff. Date 12/19/18

Exp. Date 12/19/19

AP900405

Member of C.O.N.E.S.

HVR HV-11/19/19

**19**





*This is to certify that*  
**Lynne G. Brimhall**

*has completed the requisite training, and has passed an examination for  
reaccreditation*  
**Asbestos Management Planner Refresher**  
pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

**Course Location**

Institute for Environmental Education  
16 Upton Drive Wilmington, MA 01887

**November 19, 2018**

Course Dates

**18-1221-136-231902**

Certificate Number

**November 19, 2018**

Examination Date

**November 19, 2019**

Expiration Date

Training Director

16 Upton Drive, Wilmington, MA 01887

Telephone 978.658.5272

[www.ieetrains.com](http://www.ieetrains.com)

**INSTITUTE FOR ENVIRONMENTAL EDUCATION**



THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT

**DEPARTMENT OF LABOR STANDARDS**  
19 STANIFORD STREET, BOSTON, MASSACHUSETTS 02114

**CERTIFICATION FOR ASBESTOS ANALYTICAL SERVICES**

PROSCIENCE ANALYTICAL SERVICES, INC.  
22 CUMMINGS PARK  
WOBURN MA 01801-2122

LICENSE: **AA000156**

EXPIRES: **Monday, December 16, 2019**

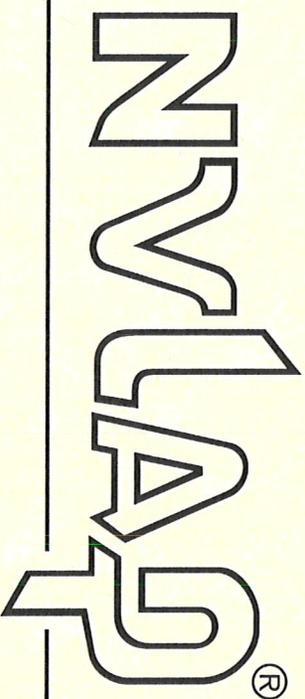
IN ACCORDANCE WITH MGL CH. 149 § 6B AND 453 CMR 6.08 THIS CERTIFICATE IS ISSUED BY THE DEPARTMENT OF LABOR STANDARDS TO THE ABOVE NAMED ENTITY TO PROVIDE THE ASBESTOS ANALYTICAL SERVICES SPECIFICALLY LISTED BELOW.

CLASS A CERTIFICATE  
CLASS C CERTIFICATE  
CLASS D CERTIFICATE

A handwritten signature in cursive script that reads "William D. McKinney".

WILLIAM D. MCKINNEY, DIRECTOR

United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:2005**

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NVLAP LAB CODE: 200090-0

**ProScience Analytical Services, Inc.**  
Woburn, MA

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

**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2019-01-01 through 2019-12-31

*Effective Dates*



  
For the National Voluntary Laboratory Accreditation Program



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**ProScience Analytical Services, Inc.**

22 Cummings Park  
Woburn, MA 01801-2122  
Ms. Aimee Cormier  
Phone: 781-935-3212 Fax: 781-932-4857  
Email: [aimee.cormier@proscience.net](mailto:aimee.cormier@proscience.net)  
<http://www.proscience.net>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200090-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

*For the National Voluntary Laboratory Accreditation Program*

## D. Laboratory Report



# ProScience Analytical Services, Inc

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Lynne Brimhall  
Hub Testing Laboratory, Inc.  
95 Beaver St.  
Waltham, MA 02453

April 25, 2019

Dear Lynne Brimhall,

The enclosed analytical results have been obtained by using EPA 600/R-93/116 or EPA 600/M4-82-020. Calibrated Visual Estimate (CVE) is used by ProScience for the determination of the percentage of asbestos and other components in the sample. Point Counting is recommended when the sample contains less than 10% asbestos by CVE. Friable materials found to be less than 1% by CVE are automatically point counted (400 points) at no additional charge. ProScience recommends further analysis by a gravimetric method for non-friable materials that are less than 1% by CVE.

The Quality Control data related to the samples analyzed is available upon client's written request. ProScience Analytical Services Inc., assumes no responsibility for potential sample contamination that may have occurred during the sample collection process or erroneous data provided by the client. Unless otherwise indicated, all samples were received in acceptable condition.

The enclosed results may not be used under any circumstances as product endorsement by any US government agency including NIST/NVLAP.

All Laboratory records are retained for at least three years unless otherwise directed in writing by the client. The actual samples are retained for a period of two months and written request is necessary in order to be retained for a longer period of time. All analytical results and records are considered strictly confidential and will not be released under any circumstances to anyone except the actual client. The analytical results included in this report apply only to the items tested. This report may not be reproduced except in its entirety, without the permission of ProScience Analytical Services, Inc., Laboratory Director.

If you have any questions please contact the Laboratory Manager or the Laboratory Director.

Sincerely,

Sophetra Ken, Optical Asbestos Manager  
Aimee Cormier, Laboratory Director

Enclosure: Version 2  
LAB BATCH ID: B 115489 CLIENT PROJECT ID: 28684  
Client Ref: Leicester Middle School  
CT ID# PH-0209; MA ID# AA000156; ME ID# LB-055; NVLAP Lab Code 200090-0; RI ID # AAL-093; VT ID# AL016876

# ProScience Analytical Services, Inc.

Client Name: Hub Testing Laboratory, Inc.  
 PO #: N/A  
 Client Project #: 28684  
 Client Reference: Leicester Middle School  
 Method: EPA/600/R-93/116

**Batch: B115489**  
 Date Sampled: N/A  
 Date Received: 4/24/2019  
 Date Analyzed: 4/25/2019  
 Date of Report: 4/25/2019

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-18	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Pre-Fabricated Concrete Location: Office 3 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-19	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Pre-Fabricated Concrete Location: Main Hall 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-20	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Pre-Fabricated Concrete Location: Hall 6 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-21	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: V.P. Office Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-22	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Room 29 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-23	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Room 9 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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**REVISED**  
 42919 KR

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-21A	Beige	2	0	0	0	0	0	0	0	0	0	0	0	98
Description: Joint Compound Location: Library Comments: <span style="float: right;">Is asbestos present? Yes. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-22A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Sheetrock Location: Nurse Comments: <span style="float: right;">Analyzed: No</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-23A		0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Location: Bulk Supply 1 Comments: <span style="float: right;">Analyzed: No</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-24	Multi	0	0	0	0	0	0	20	0	5	0	0	0	75
Description: 2x4 Thick Fissured w/Dots, Older Location: Office Area Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-25	Multi	0	0	0	0	0	0	20	0	5	0	0	0	75
Description: 2x4 Thick Fissured w/Dots, Older Location: Small Hall Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-26	Multi	0	0	0	0	0	0	20	0	5	0	0	0	75
Description: 2x4 Thick Fissured w/Dots, Older Location: Office Area Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-27	Multi	0	0	0	0	0	0	10	0	2	0	0	0	88
Description: 2x4 Thick Fissured w/Dots, Newer														
Location: Library														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-28	Multi	0	0	0	0	0	0	10	0	2	0	0	0	88
Description: 2x4 Thick Fissured w/Dots, Newer														
Location: Room 19														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-29	Multi	0	0	0	0	0	0	10	0	2	0	0	0	88
Description: 2x4 Thick Fissured w/Dots, Newer														
Location: Room 8														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-30	Multi	0	0	0	0	0	0	10	0	2	0	0	0	88
Description: 2x2 Small Fissured w/Dots														
Location: Room 32														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-31	Multi	0	0	0	0	0	0	10	0	2	0	0	0	88
Description: 2x2 Small Fissured w/Dots														
Location: Room 12														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-32	Multi	0	0	0	0	0	0	10	0	2	0	0	0	88
Description: 2x2 Small Fissured w/Dots														
Location: Girl's 1														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-1	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 2" Brown Cove Base Mastic														
Location: Office														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-2	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 2" Brown Cove Base Mastic														
Location: Guidance														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-3	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 2" Brown Cove Base Mastic														
Location: Team Chair														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-4	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1" Gray Cove Mastic														
Location: 13-Gray														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-5	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1" Gray Cove Mastic														
Location: 33-Gray														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-5A	Brown	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 2" Green Cove Mastic														
Location: 25-Green														
Comments: Recommend TEM analysis. <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-6	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1" Black Cove Mastic Location: Mail Room Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-7	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1" Black Cove Mastic Location: 7 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-8	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1" Black Cove Mastic Location: 11 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-9	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1" Black Cove Mastic Location: 14 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-10	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 1" Black Cove Mastic Location: 31 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-11	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 2" Black Cove Mastic Location: 26 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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 Date Sampled: N/A  
 Date Received: 4/24/2019  
 Date Analyzed: 4/25/2019  
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 4-29-19 *KR*

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-14	Black	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Black Sink Coating														
Location: Art														
Comments:		Is asbestos present? No. Analyzed: Yes												

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-15	Black	5	0	0	0	0	0	0	0	0	0	0	0	95
Description: Black Sink Coating														
Location: 29														
Comments:		Is asbestos present? Yes. Analyzed: Yes												

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-15A		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Black Sink Coating														
Location: Room 20														
Comments:		Analyzed: No												

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-16	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Sink under Coatings														
Location: White/Green, 31														
Comments:		Is asbestos present? No. Analyzed: Yes												

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-17	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Sink under Coatings														
Location: White/Green, Nurse														
Comments:		Is asbestos present? No. Analyzed: Yes												

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-33	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: CMU/Grout														
Location: Supply 1														
Comments:		Is asbestos present? No. Analyzed: Yes												

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-34	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: CMU/Grout Location: Main Shop Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-35	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: CMU/Grout Location: Gym Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-36	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: CMU/Grout Location: Supply Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-37	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: CMU/Grout Location: Maint. S. Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-38	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: CMU/Grout Location: Gym Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-52	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 4" Ceramic Wall Tile Grout Location: Girl's 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-53	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 4" Ceramic Wall Tile Grout Location: Bath by Art Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-54	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 4" Ceramic Wall Tile Grout Location: Boy's Locker Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-55	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 4" Ceramic Wall Tile Grout Adhesive Location: Girl's 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-56	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 4" Ceramic Wall Tile Grout Adhesive Location: Bath by Art Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-57	Yellow	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 4" Ceramic Wall Tile Grout Adhesive Location: Boy's Locker Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-58	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Top Coat Plaster Location: Boy's Locker Ceiling Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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**REVISED**  
 4-29-19 *(KA)*

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-59	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Top Coat Plaster Location: Girl's Locker Ceiling Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-60	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Top Coat Plaster Location: Boy's Locker Wall Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-61	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Top Coat Plaster Location: Bath 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-62	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Top Coat Plaster Location: Kitchen Office Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-63	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Top Coat Plaster Location: Aud. Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-64	Multi	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Top Coat Plaster Location: Supply Storage Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

# ProScience Analytical Services, Inc.

Client Name: Hub Testing Laboratory, Inc.  
 PO #: N/A  
 Client Project #: 28684  
 Client Reference: Leicester Middle School  
 Method: EPA/600/R-93/116

**Batch: B115489**  
 Date Sampled: N/A  
 Date Received: 4/24/2019  
 Date Analyzed: 4/25/2019  
 Date of Report: 4/25/2019

**REVISED**  
 4-29-19 *(Signature)*

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-65	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Brown Coat Plaster Location: Ceiling Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-66	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Brown Coat Plaster Location: Kitchen Office Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-67	Gray	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Brown Coat Plaster Location: Supply Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-39	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x2 Thin Fissured w/Lots of Dots (Similar to 2x4 New) Location: 19 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-40	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x2 Thin Fissured w/Lots of Dots (Similar to 2x4 New) Location: Hall 5 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-41	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x2 Thin Fissured w/Lots of Dots (Similar to 2x4 New) Location: 33 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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 PO #: N/A  
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 Client Reference: Leicester Middle School  
 Method: EPA/600/R-93/116

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-42	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x4 Small Fissured w/Dots														
Location: 21														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-43	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x4 Small Fissured w/Dots														
Location: 24														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-44	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x4 Small Fissured w/Dots														
Location: Café														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-45	White	0	0	0	0	0	0	90	0	0	0	0	0	10
Description: 1x1 Spline Ceiling Tiles on Wall														
Location: Aud. Rear Wall														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-46	White	0	0	0	0	0	0	90	0	0	0	0	0	10
Description: 1x1 Spline Ceiling Tiles on Wall														
Location: Aud. Rear Wall														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-47	Multi	0	0	0	0	0	0	20	0	5	0	0	0	75
Description: 2x2 Thin Fissured w/Dots (Similar to the 2x4 Old)														
Location: 36														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-48	Multi	0	0	0	0	0	0	20	0	5	0	0	0	75
Description: 2x2 Thin Fissured w/Dots (Similar to the 2x4 Old)														
Location: 13														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-49	Multi	0	0	0	0	0	0	20	0	5	0	0	0	75
Description: 2x2 Thin Fissured w/Dots (Similar to the 2x4 Old)														
Location: Hall 5														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-71	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Skim Coat														
Location: Office 1														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-72	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Skim Coat														
Location: Boy's Locker Room														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-73	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Skim Coat														
Location: Boy's Locker Room														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-74	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock														
Location: Office 1														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-75	White	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Boy's Locker Room Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-76	White	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Boy's Locker Room Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-12	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 6" Cove Base Mastic Location: Right Side Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-13	Beige	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: 6" Cove Base Mastic Location: Left Side Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-50	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x4 Large Dot & Small Dot Ceiling Tile Location: Principal Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-51	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: 2x4 Large Dot & Small Dot Ceiling Tile Location: Office 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-68	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Boy's Locker Ceiling Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-69	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Kitchen Office Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-70	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Supply Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-77	Red	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Red HVAC Mastic Location: Girl's Room 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-78	Red	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Red HVAC Mastic Location: Girl's Room 2 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-79	Red	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Red HVAC Mastic Location: Boy's Room 2 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-80	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Girl's Bath 2 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-81	Gray	0	0	0	0	0	0	0	0	2	0	0	0	98
Description: Sheetrock Location: Boy's Bath 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-82	Multi	0	0	0	0	0	0	0	0	30	0	0	0	70
Description: Backer Board Location: Boy's Bath 2 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-83	Multi	0	0	0	0	0	0	0	0	30	0	0	0	70
Description: Backer Board Location: Boy's Bath 2 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-84	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Location: Girl's Bath 1 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-85	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound Location: Girl's Bath 2 Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-86	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound														
Location: Boy's Bath 1														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-87	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound														
Location: Boy's Bath 2														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-88	White	0	0	0	0	0	0	0	0	0	0	0	0	100
Description: Joint Compound														
Location: Nurse's Bath														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-89	Multi	10	5	0	0	0	0	5	0	20	0	0	0	60
Description: TSI, 2 2 1/2" Fiberglass w/Hard Packed Fittings														
Location: AHU, Room 1														
Comments: <span style="float: right;">Is asbestos present? Yes. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-90	Gray	8	10	0	0	0	0	0	0	0	0	0	0	82
Description: 6" Fiberglass w/Hard Packed Fittings														
Location: AHU, Room 1														
Comments: <span style="float: right;">Is asbestos present? Yes. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-91	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: HVAC Tar Paper over Fiberglass on Duct														
Location: HVAC, Room 1														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

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Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-92	Multi	0	0	0	0	0	0	10	0	5	0	0	0	85
Description: HVAC Tar Paper over Fiberglass on Duct														
Location: AHU, Room 1														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-93	Black	0	0	0	0	0	0	30	0	0	0	0	0	70
Description: HVAC Dampner														
Location: HVAC, Room 1														
Comments: <span style="float: right;">Is asbestos present? No. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-94	Gray	40	0	0	0	0	0	0	0	20	0	0	0	40
Description: Air Cell														
Location: Hall between Boiler & Gym (Hot H2O)														
Comments: <span style="float: right;">Is asbestos present? Yes. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-95	Multi	10	0	0	0	0	0	0	0	80	0	0	0	10
Description: Paper Wrap														
Location: Boiler Room (Cold H2O)														
Comments: <span style="float: right;">Is asbestos present? Yes. Analyzed: Yes</span>														

Sample ID	Color	Asbestos %						Non-Asbestos %						
		CHR	AMO	CRO	ACT	TRE	ANT	FBG	MNW	CEL	HAR	SYN	OTH	NON
28684-96		0	0	0	0	0	0	0	0	0	0	0	0	0
Description: Paper Wrap														
Location: Debris Hall by BR & Gym														
Comments: <span style="float: right;">Analyzed: No</span>														

Asbestos Codes: CHR = Chrysotile    AMO = Amosite    CRO = Crocidolite    ACT = Actinolite    TRE = Tremolite    ANT = Anthophyllite  
 Non-Asbestos Codes: FBG = Fiberglass    MNW = Mineral Wool    CEL = Cellulose    HAR = Hair    SYN = Synthetic    OTH = Other    NON = Non-Fibrous Minerals

**Note:** To create a unique lab sample ID, use the Batch # and the Sample ID (example: [Batch #] - [Sample ID]).

\* All results are in percentage.

**Analyst:** Michelle Weakley

























Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

Building Number: Leicester Middle School  
 Building description: \_\_\_\_\_

Inspector: UB

Date: 7/17/19

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
X	Pre-fabricated concrete wall panels			on drawing			18 VPA Office 3 19 Main Hall 1 20 Hall 6	
X	Sheetrock walls <del>(older original)</del>			on drawing			21 V.P. Office 22 Rm 29 23 Rm 9 24 Office area 25 Small hall 26 Office area 27 Library 28 Rm 19 29 Rm 8	21A Library 22A Nurse 23A Backsupply 1
X	Wood paneling on walls			on drawing			Not suspect	
X	3x4 Thin fissured w/ dots - older			on drawing			24 Office area 25 Small hall 26 Office area 27 Library 28 Rm 19 29 Rm 8	
X	3x4 Thin fissured w/ lots of dots - newer			on drawing			24 Office area 25 Small hall 26 Office area 27 Library 28 Rm 19 29 Rm 8	
	Roof panels			on drawing	Shop 4x10		30 Rm 3a 31 Rm 12 32 Girls 1	
X	3x2 sm fissured w/ dots			Girls 1 (16x12) 12, 14, 15, 3a (30x24)			30 Rm 3a 31 Rm 12 32 Girls 1	

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
 Please perform a first positive stop on analysis.

Example 001-1-A

F Friable  
 NF Non Friable  
 G Good  
 D Damaged  
 SD Significantly Damaged

Sample Custody

Reinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

28684

B115489

Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: Middle  
 Building description:

Inspector: CS

Date:

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
	9" x 9" Brown floor tile w/ white dk brown striations			Main office area (16x24) Team chair (16x12) Mail (11x10)	36 (33x33) on drawing 30 prep (100SF) majority of classrooms are 35x32 unless noted			
	Assoc. mastic			Guidance (16x18) 2 prep (15x6)	10 (40x32) storage behind wall - 100 (5)			
	Library: 32 x 80 under carpet 30 (30x24) Library cont. (16x22) under carpet Server (16x16)			Book Storage (14x12) 2 prep (15x6)	Teachers (14x30) Music room 30x16 + office 100 Kitchen office (30x30) under prep Principal (30x16) under prep			
	12x12" Orange mottled floor tile			Main entry hall 10x4 4 (30x32)	Hall 7 (8x124)			
	Assoc. mastic			4 prep (15x6) Art (38x48) + 4E #1	Hall 6 (11x37)			
	12" x 12" off-white floor tile w/ gray white & cream mottles			Rm 5 32x38 12-15 Net 13 32 Nurse's (15x22)	#3 may be slightly different lenser			
	Assoc. mastic			Office area (400SF) Office 1, 2, 3, 6 hall 100 100 100 100	Office area (400SF) Office 1, 2, 3, 6 hall 100 100 100 100			

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
 Please perform a first positive stop on analysis.

Example 001-1-A

Sample Custody

F Friable  
 NF Non Friable  
 G Good  
 D Damaged  
 SD Significantly Damaged

Retinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

28684

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Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: Middle  
 Building description: \_\_\_\_\_

Inspector: LB

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

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
X	3" Brown cover base			Office Guidance Team chair			① Office ② Guidance ③ Team chair	
MISC	1" Gray cover			13, 33			④ 13 - Gray ⑤ 33 - Gray	
X	2" Green cover			35 (30x20)	D		⑥ 35 - Green	
X	7" Black cover			Mail Guidance & prep Bank Storage 1 AHD em (40LF per) Book Room 2 &	Custodian office (40LF) cafe storage (40LF) and hall & storage (50LF) Band Storage (40LF)		⑦ Mail room ⑧ 11	
X	2" Black cover	Unless noted this style is majority thru		Breeze way 1 Security (20LF) Storage (40LF) Main entry hall, 4 & 4 prep, 5, Main hall, Main cafe	Hall by kitchen (50LF) Hall 3 Jewell maintenance 40LF 12, 14, 15 Teachers & hall @ teachers		⑨ 14 ⑩ 31 ⑪ 26	

Note: Sample identification is Building number - Homogeneous Material number - A,B,C etc. Example 001-1-A  
 Please perform a first positive stop on analysis.

F Friable G Good  
 NF Non Friable D Damaged  
 SD Significantly Damaged

Reinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Custody

28684

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Hub Testing Laboratory, Inc.  
95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: Middle  
Building description: \_\_\_\_\_

Inspector: CB

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

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
1	wire reinforced windows	(xxx) 4x1		lights above rooms Security (4x4)	lights above rooms (assort w/ concrete panels)			
	Table tops			10 = 4x6 (x7)				
	Blackboards		Classrooms	12x4 (20) : 8x3 in original 2-11 wing 12x4 & 22x4 in addition 10x4 + 5x4 in 19-30 wing				
	Soap stone sink			4				
	Sink under cuttings			7 - no undercutting Are - 4 sinks (black) & 29 31 & Nurse (white)				
X	CMU			Supply storage 1 wall (4x18) Main Adams Driveway 1 (30x18)				
X	Grout		on drawing					

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
Please perform a first positive stop on analysis.

Example 001-1-A

Sample Custody

F Friable  
NF Non Friable

G Good  
D Damaged  
SD Significantly Damaged

Relinquished By: \_\_\_\_\_

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

Received By: \_\_\_\_\_

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

2 diff.  
1A's

14 Black - Art  
 15  
 15A - RM 20  
 16 White/Green - 31  
 17 - Nurse  
 33 CMU - Supply 1 36 Grout - Supply  
 34 CMU - Main 1 37 Grout - Main 5  
 35 CMU - Gym 38 Grout - Gym

28684

B115489

Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: Middle  
 Building description: \_\_\_\_\_

Inspector: \_\_\_\_\_

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

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
X	4" Ceramic wall tile grout	off w/ SR		gray - Girls, step, kitchen white	blue - storage 1 Bath 3		(52) Girls 1 (53) Bath by Art (54) Boy's locker	
X	4" Ceramic wall tile adhesive			white - Boys Bath 1 Wash em (w plaster) kitchen (mixed)	nurse's baths G 1200		(55) See 52 (56) See 53 (57) See 54	
	2" Ceramic floor tile grout			gray - soap sink				
	2" Ceramic floor tile adhesive			blue - girls				
	1" Ceramic floor tile grout			Bath 1 (G00) Wash em (Lux 10) Bath 2 (A10) Bath 3 (B00)	(All sm baths)			
	1" Ceramic floor tile adhesive			Bath 5 & 6 (G00 per) Storage 5: 6 14x14 per Nurses baths 1 200 & 1000				

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
 Please perform a first positive stop on analysis.

Example 001-1-A

Sample Custody

F Friable  
 NF Non Friable  
 G Good  
 D Damaged  
 SD Significantly Damaged

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

28084

15115489

Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: Middle  
 Building description: \_\_\_\_\_

Inspector: \_\_\_\_\_

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

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
X	Top coat - plaster			Supply Storage 25x10 Teacher's, custodian, tech ed, Security (over-se)			Top coat 59 Boy's locker ceiling 59 Girls " ceiling 60 Boys locker wall	65 Brown 65 Ceiling 66 Kitchen office
X	Brown coat - plaster			Bath 1 w/ferromic Wash rm w/ceramic Storage: hall behind aul & music rm Kitchen office			61 Bath 1 62 Kitchen office 63 Aul 64 Supply Storage	67 Supply
	9" x 9" Tan w/ white & Brown streaks			Rear half of 10's 200 Patches in Teacher's rm = 70 " " 26 = 10 " " 24 = 20				
	Assoc. mastic			Male hall 2 (4x10) Hall 5 (11x34) + (18x40) + (20x11)				
	Assoc. mastic							
X	2x2 Thin fissured w/ lots of dots (Similar to 3rd New)	////		33 : mixed in hall 5 19			39 19 40 Hall 5 41 33	

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc  
 Please perform a first positive stop on analysis.

Example 001-1-A

Sample Custody

F Friable  
 NF Non Friable  
 G Good  
 D Damaged  
 SD Significantly Damaged

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

28684

B115489

Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: Middle Inspector: \_\_\_\_\_ Date: \_\_\_\_\_  
 Building description: And is carpet & stage is wood

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
	12" Blige-gray mottled floor tile			Barreway 1 (30x18) Cafe (52x66)				
	Assoc. mastic							
X	2x4 Small fissured w/ dots		///	Cafe, 21, 24			(42) 21 (43) 24 (44) Cafe	
	1x3" Ceramic wall tile grout		-	Cafe (w/SE SF on wall) Storage (20x18) Hall 3 w/ plaster including hallway kitchen (net and wall)				
	1x3" Ceramic wall tile adhesive			wash area in kitchen (6x5) Add w/ plaster				
	9" x 9" Maroon floor tile w/ orange; white streaks			8 patch = 20 ft Cafe Storage = 120 ft Quiet rm in Art = 100 ft				
	KSSOC. mastic							

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
 Please perform a first positive stop on analysis.

F Friable G Good  
 NF Non Friable D Damaged  
 SID Significantly Damaged

Retinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Custody

Example 001-1-A

28684-

Hub Testing Laboratory, Inc.  
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B115489  
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Building Number: Middle Inspector: \_\_\_\_\_ Date: \_\_\_\_\_  
 Building description: \_\_\_\_\_

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
	12x12 dk gray mottled floor tile			Hall 3 (9x14) + (6x70) Hall 4 (9x10) + 45x(8x2)				
	Assoc. mastic							
X	1x1 Spline ceiling tiles on wall			Pool (9x19)			45 46 Aud rear wall " " " "	
	Hard ceilings			Aud 50 x 30 Locker rooms	per			
X	3x3 Thin fissured w/ dots (similar to the old		old	/// on drawing	34 (8x30)		47 48 49 13 26 Hall 5 36 13	
	12x12 white w/ gray & cream mottles			Rm 36 30x24 33				
	Assoc. mastic							

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc. Example 001-1-A  
 Please perform a first positive stop on analysis.

F Friable G Good  
 NF Non Friable D Damaged  
 SD Significantly Damaged

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Custody

28684

Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: \_\_\_\_\_ Inspector: \_\_\_\_\_ Date: \_\_\_\_\_  
 Building description: \_\_\_\_\_

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
	Gym floor			Gym 54 x 70				
X	Skim coat			Boys locker room office lockers walls	~1000 ft (walls)		71 Office 1 72 Boys Locker RM 73 Boys locker RM 74 See 71 75 " 72 76 " 73	
X	Sheetrock			office 1: principal walls	over old			
X	4" Cove base			Library			12 Right side 13 Left "	
X	2x4 1g dot ? sm dot ct	///		Principal's office 1 (A x 12)	(6 x 12)		50 Principal 51 Office 1	
X	12" x 12" Green light w/gdd mottles Assoc. mastic			2m 13 (25 x 32) 25 (30 x 10)				

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
 Please perform a first positive stop on analysis.

Example 001-1-A  
 Sample Custody

F Friable  
 NF Non Friable  
 G Good  
 D Damaged  
 SD Significantly Damaged

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

28684

Hub Testing Laboratory, Inc.  
 95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

B115489

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Building Number: Middle Inspector: LB Date: 4/22/19  
 Building description: \_\_\_\_\_

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
X	Sheetrock			Assoc. w/ plaster walls			68 Ceiling - boy's locker 69 kitchen <del>supply</del> office 70 Supply 71 Girls rm 1 72 " rm 2 73 Boys rm 2	
X	Red HVAC mastic							
X	Sheetrock			Assoc. w/ ceramic tile in baths			80 Girls bath 2 81 Boys bath 1 82 Boys bath 2 83 " " 2 84 Girls bath 1 85 " " 2 86 Boys bath 1 87 " " 2 88 Nurse's bath	
X	Backer board			Assoc. w/ ceramic tile in boy's 2				
X	Joint Compound							

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
 Please perform a first positive stop on analysis.

Example 001-1-A

Sample Custody

F Friable      G Good  
 NF Non Friable      D Damaged  
 SD Significantly Damaged

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

28484

B115489

Hub Testing Laboratory, Inc.  
95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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Building Number: Middle Inspector: SB Date: 4/12/19  
Building description: \_\_\_\_\_

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
	TSI, 2-2 1/2" bag w/ hand packed fittings			see drawing			Q9 AHU rem 1	
	6" bag w/ hand packed fittings			see drawing			Q10 AHU rem 1	
	HVAC fan paper over bag and duct			HVAC Rem 1	25 #		Q11 HVAC rem 1 Q12 AHU Rem 1	
	HVAC damp			HVAC Rem 1	943		Q13 HVAC rem 1	

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
Please perform a first positive stop on analysis.

Example 001-1-A

Sample Custody

F Friable      G Good  
 NF Non Friable      D Damaged  
 SD Significantly Damaged

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

28684

Hub Testing Laboratory, Inc.  
95 Beaver Street, Waltham, MA 02453 781/893-8330 fax 781/893-4414

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B115489

Building Number: Middle  
Building description: \_\_\_\_\_

Inspector: SB

Date: 4/17/19

HM#	Homogeneous Area of Suspect Material Description	Color	F/NF	Location	Quantity	Condition (G/D/SD)	Samples	Sample Photos
	4" pipe insul. (mag)			from dem. water supply Boiler Rm (4" reduces to 3")	12'			
				trunk rm	18'			
	Air cell			see drawing			94 Hall between boiler & gym (hot. thro)	
	Mag			server				
	Paper wrap			See drawing			95 Boiler rm (cold thro)	
	FBGL duct keepers Assoc w/ FBGL			HVAC Rm 1			96 Debris hall by BR 9ym	

Note: Sample identification is Building number - Homogeneous Material number - A,B,C, etc.  
Please perform a first positive stop on analysis.

Example 001-1-A

F Friable  
NF Non Friable  
G Good  
D Damaged  
SD Significantly Damaged

Sample Custody

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_