



**NESHAP BUILDING INSPECTION  
FOR  
ASBESTOS-CONTAINING MATERIALS**

at

**Erie County Community College  
2403 West 8th Street  
Erie, PA 16505**

**Work Order No.: F4H0459**

**Date of Inspection: 8/12/2024 & 8/16/2024**

**Performed For: Mr. Chris Ray  
Erie County Community College  
2403 West 8th Street  
Erie, PA 16505**

**Sampling and Report:**

  
**Timothy A. McLaughlin**  
**Asbestos Inspector/ Management Planner/Project Designer**  
**PA #019298**

**Report Reviewed by:**

  
**Carolyn Vollentine**  
**Project Manager**

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## A) I. EXECUTIVE SUMMARY

The summary below is a brief summary description of ACM (asbestos-containing materials) found. Please note that Pennsylvania Department of Labor and Industry requires a notification form (2700-FM-BQ0021) to be filed at least ten days prior to demolition or renovation activities.

**Location:** Erie County Community College, 2403 West 8th Street, Erie, PA 16505

### **Asbestos Types:**

- **Friable:** Friable asbestos-containing building materials and their locations are listed below. These items will need to be removed prior to demolition.

Results of Inspection:

**Fibrous Fitting Insulation on old elbows, tees, and valves – Domestic and Heating  
Fibrous Pipe Insulation – Steam/Hot Water Heating Main  
Insulation – Old Cooler in Kitchen**

- **Non-friable:** Non-friable asbestos-containing materials are typically not removed for buildings slated for demolition. Choose demolition methods that will not crush, pulverize or reduce to rubble the non-friable materials; or remove all asbestos-containing materials that may become damaged during demolition. Floor tile and other hard flooring, mastics and roofing materials are the most common building components affected by the proposed demolition method. Crushing of the rubble to use it as clean fill or other changes to the plan which result in reuse of the building rubble as clean fill will require the removal of these materials before demolition.

Results of Inspection:

**Vinyl Asbestos Floor Tile – 9"x9" – All Floors  
Black mastic compound under Vinyl Asbestos Floor Tile  
Stairwell Tread and Landing Coverings  
Adhesive Pucks – 12" Ceiling Tile – Cafeteria**

Assume all original BUR roofing materials (if existing) to be positive unless sampled otherwise.

**Materials Tested Negative** – The following materials tested negative for asbestos:

Hard Plaster, 12" Ceiling Tiles, Lay-in Ceiling Tiles, Wallboard, Joint Compound, Window Caulking, Ceramic Tile, Ceramic Tile Grout, Ceramic Tile Mortar Bed, Epoxy Baseboards

## A) II. SCOPE OF WORK

This document is the report of an inspection for asbestos-containing building materials performed in August of 2024 at the Erie County Community College (circa approximately 1960's), 2403 West 8th Street, Erie, PA 16505. The inspection consisted of a walk-through inspection by an EPA-accredited and Pennsylvania Department of Labor and Industry licensed asbestos inspector / project designer. The survey was intended to be preliminary in nature to determine if there is a need for asbestos abatement prior to newly planned renovations. As such, a limited number of samples were collected to determine the scope of abatement. The sampled materials were analyzed using the Polarized Light Microscopy technique. The testing included point counting for all samples with an asbestos concentration of trace to 10%.

The building was constructed as the Villa Maria High School. Building construction includes steel framing. Interior wall finishes include hard plaster, vinyl floor tile, cellulose ceiling tile, and ceramic tile. Later partition walls are wallboard. Floor finishes include vinyl asbestos tile, ceramic tile, linoleum, carpet, and laminate. Ceilings include 12" splined tile or cellulose lay-in tile below the original hard plaster. A few of the original 12" ceiling tiles may also be glued to the hard plaster. Most of the classroom ceilings are splined tile. Replacement aluminum windows are currently in the building. Heating system is hot water radiant heat. Pipes are insulated with fiberglass and some asbestos mud fittings. Some asbestos pipe insulation does exist on original heating piping. Fireproofing material on steel beams was not visible in the hallway areas as the it appears to be base plaster used as a beam surround, but may just be overspray material. Original build drawings should be checked.

## LIMITATIONS

The content of this report is based on information gathered from available public resources, the information supplied to Microbac by the building Owner, and the information gathered at the site. The methods employed to assemble this report are limited by the scope, budget, and schedule of this inspection. This inspection was not intended to be exhaustive or destructive in nature and does not imply that the site is free from other environmental risks, including PCB's and/or mercury. Conclusions and/or recommendations listed in this report are intended as guidance materials for determining the minimum scope of any abatement required during demolition or renovation activities. Conditions may exist in the facility that prevented the inspector from locating and identifying asbestos-containing materials. This would include additional materials that may be encountered around vessels mounted in brick/concrete, under tanks or pipe wraps, underground, below concrete slabs, and below grade under water. All demolition contractors must be aware that materials may be exposed during demolition activities that will require further evaluation. Additional inspections and samples may need to be collected to evaluate these materials. Roofing materials were not sampled as part of this inspection and should be assumed as positive due to the construction date. Soffit and fascia materials could not be assessed (no access). The gymnasium floor and underlying materials were not sampled.

Microbac Laboratories does not intend that any quantities, if listed herein, are exact or will be used for abatement specifications and/or bidding documents. Microbac Laboratories assumes no responsibilities or liabilities for claims involving contract disputes related to unauthorized use of this information. **All abatement contractors should be required to locate and measure all quantities of any ACM material(s) requiring abatement before supplying a bid for any abatement project.**

**A) III. TABLE I - SUSPECT MATERIAL SAMPLE SUMMARY**

**Erie County Community College  
2403 West 8th Street  
Erie, PA 16505**

<b>SAMPLE NO.</b>	<b>TYPE OF MATERIAL</b>	<b>SAMPLE LOCATION</b>	<b>RESULTS</b>	<b>PERCENT</b>
1a	Floor Tile, 9", Grey	1 <sup>st</sup> Floor Locker Room Storage	<b>Positive</b>	<b>6 Chrysotile</b>
1b	Black Mastic below 9" Tile	1 <sup>st</sup> Floor Locker Room Storage	<b>Positive</b>	<b>3 Chrysotile</b>
2a	Plaster, Base Coat	Locker Room Storage Wall	Negative	
2b	Plaster, Surface Coat	Locker Room Storage Wall	Negative	
3a	Plaster, Base Coat	Locker Room Wall	Negative	
3b	Plaster, Surface Coat	Locker Room Wall	Negative	
4a	4" Ceramic Wall Tile	Locker Room Restroom Wall	Negative	
4b	4" Ceramic Wall Tile Mortar Bed	Locker Room Restroom Wall	Negative	
4c	4" Ceramic Wall Tile Grout	Locker Room Restroom Wall	Negative	
5a	2" Ceramic Floor Tile, Brown	Locker Room Shower Area Floor	Negative	
5b	2" Ceramic Floor Tile Mortar	Locker Room Shower Area Floor	Negative	
6a	2" Ceramic Floor Tile	Locker Room Area Floor	Negative	
6b	2" Ceramic Floor Tile Grout	Locker Room Area Floor	Negative	
7a	Plaster, Base Coat	Locker Room Area Wall	Negative	
7b	Plaster, Surface Coat	Locker Room Area Wall	Negative	
8	Pipe Insulation Wrap	Heating Fiberglass Outer	Negative	
9	Joint Compound	Classroom Bulkhead	Negative	
10a	Vinyl Tile, 12", tan	Corridor by Boys Locker	Negative	
10b	Black mastic below 12" VCT	Corridor by Boys Locker	Negative	
11	Joint Compound	Partition Wall by Door	Negative	
12	Caulking	Exterior Door Frame	Negative	
13	Caulking	Exterior Window	Negative	
14	Ceiling Tile, 12"	Lower Level Classroom 001	Negative	
15	Pipe Insulation	Air Cell Pipe Wrap	<b>Positive</b>	<b>35 Chrysotile</b>
16	Pipe Insulation	Mag Pipe Wrap	<b>Positive</b>	<b>45 Chrysotile</b>
17	Joint Compound	Locker Bulkhead in Hallway	Negative	
18a	Plaster, Base Coat	Wall, Classroom 004	Negative	
18b	Plaster, Surface Coat	Wall, Classroom 004	Negative	
19a	Plaster, Base Coat	Ceiling, Classroom 011	Negative	
19b	Plaster, Surface Coat	Ceiling, Classroom 011	Negative	
20a	Plaster, Base Coat	Ceiling, Classroom 012	Negative	
20b	Plaster, Surface Coat	Ceiling, Classroom 012	Negative	
21a	Ceiling Tile, 12"	Cafeteria Border	Negative	

21b	Adhesive Puck, Ceiling Tile	Cafeteria	<b>Positive</b>	<b>Trace</b>
22a	9" Floor Tile, Tan	Cafeteria	<b>Positive</b>	<b>6 Chrysotile</b>
22b	Black mastic below 9" tile	Cafeteria	<b>Positive</b>	<b>2 Chrysotile</b>
23a	Border Tile, Brown	Cafeteria	<b>Positive</b>	<b>8 Chrysotile</b>
23b	Black mastic below Border	Cafeteria	<b>Positive</b>	<b>Trace</b>
24a	9" Floor Tile, Green	Kitchen Area	<b>Positive</b>	<b>7 Chrysotile</b>
24b	Black mastic below 9" tile	Kitchen Area	<b>Positive</b>	<b>2 Chrysotile</b>
25a	Plaster, Base coat	Kitchen Area Wall	Negative	
25b	Plaster, Surface coat	Kitchen Area Wall	Negative	
26a	Plaster, Base coat	Wall, Cafeteria	Negative	
26b	Plaster, Surface coat	Wall, Cafeteria	Negative	
27a	Plaster, Base coat	Wall, Faculty Dining	Negative	
27b	Plaster, Surface coat	Wall, Faculty Dining	Negative	
28a	Ceramic Tile	Kitchen Cooler	Negative	
28b	Ceramic Tile Grout	Kitchen Cooler	Negative	
28c	Ceramic Tile Mortar Bed	Kitchen Cooler	Negative	
29	Grout Compound	Kitchen Cooler	Negative	
30	Insulation	Ceiling, Kitchen Cooler	<b>Positive</b>	<b>10 Chrysotile</b>
31	Adhesive Puck	Ceiling, Cafeteria	<b>Positive</b>	<b>Trace</b>
32a	9" Vinyl Tile, Red	Classroom 200	<b>Positive</b>	<b>2 Chrysotile</b>
32b	Tan Mastic on 9" Tile	Classroom 200	Negative	
32c	Black Mastic below 9" tile	Classroom 200	<b>Positive</b>	<b>6 Chrysotile</b>
33	Joint Compound	Classroom 200 Wall	Negative	
34	Joint Compound	Classroom 202 Wall	Negative	
35a	Plaster, Base coat	Classroom 202	Negative	
35b	Plaster, Surface coat	Classroom 202	Negative	
36a	Hard Plaster, base coat	Hallway Ceiling	Negative	
37	Hard Plaster, base coat	Hallway Ceiling	Negative	
38	Joint Compound	Drywall Wall System	Negative	
39	Ceiling Tile, 12"	Classroom 208	Negative	
40a	Plaster, Base Coat	Classroom 209 Ceiling	Negative	
40b	Plaster, Surface Coat	Classroom 209 Ceiling	Negative	
41a	9" Vinyl Tile, Red	Classroom 211	<b>Positive</b>	<b>2 Chrysotile</b>
41b	Black mastic below 9" tile	Classroom 211	<b>Positive</b>	<b>5 Chrysotile</b>
42a	Ceramic Tile , Peach Color	3 <sup>rd</sup> Floor Ladies Restroom Flr	Negative	
42b	Ceramic Tile Grout	3 <sup>rd</sup> Floor Ladies Restroom Flr	Negative	
43a	Ceramic Tile, Green Color	3 <sup>rd</sup> Floor Ladies Restroom Wall	Negative	
43b	Ceramic Tile Grout	3 <sup>rd</sup> Floor Ladies Restroom Wall	Negative	
44a	Plaster, Base coat	3 <sup>rd</sup> Floor Ladies Restroom Wall	Negative	
44b	Plaster, Surface coat	3 <sup>rd</sup> Floor Ladies Restroom Wall	Negative	
45a	Plaster, Base coat	3 <sup>rd</sup> Floor Wall	Negative	
45b	Plaster, Surface coat	3 <sup>rd</sup> Floor Wall	Negative	

46	Mastic Compound, Yellow	East Stairwell Top Landing	Negative	
47a	Vinyl Tile, Red	East Stairwell Landing	<b>Positive</b>	<b>1 Chrysotile</b>
47b	Yellow Mastic below tile	East Stairwell Landing	Negative	
48a	Tread Cover, Red	East Stairwell Steps	Negative	
48b	Mastic below stair tread	East Stairwell Steps	Negative	
49a	9" Vinyl Tile, Brown	Classroom 304	<b>Positive</b>	<b>10 Chrysotile</b>
49b	Black mastic below tile	Classroom 304	<b>Positive</b>	<b>10 Chrysotile</b>
50a	9" Vinyl Tile, Gray	Classroom 305	<b>Positive</b>	<b>10 Chrysotile</b>
50b	Black mastic below tile	Classroom 305	<b>Positive</b>	<b>Trace</b>
51a	Plaster, Base coat	Wall, 3 <sup>rd</sup> Floor Restroom	Negative	
51b	Plaster, Surface coat	Wall, 3 <sup>rd</sup> Floor Restroom	Negative	
52a	Ceramic Tile, Red	Main Stairwell	Negative	
52b	Grout Compound	Main Stairwell	Negative	
53a	Stair Tread, Red	Main Stairwell	<b>Positive</b>	<b>1 Chrysotile</b>
	Mastic for Stair Tread, Red	Main Stairwell	Negative	
54a	Vinyl Tile, Red	Main Stairwell Landing	<b>Positive</b>	<b>1 Chrysotile</b>
54b	Mastic for Vinyl Tile	Main Stairwell Landing	Negative	
55a	Plaster, Base coat	Main Stairwell Wall	Negative	
55b	Plaster, Surface coat	Main Stairwell Wall	Negative	
56a	Vinyl Tile, Red	West Stairwell Landing	<b>Positive</b>	<b>1 Chrysotile</b>
56b	Brown mastic below tile	West Stairwell Landing	<b>Positive</b>	<b>2 Chrysotile</b>
57	Baseboard, Red Epoxy	West Stairwell	Negative	
58	Baseboard, Red Epoxy	East Stairwell	Negative	
59a	Ceramic Tile, Red	Locker Room Floor	Negative	
59b	Grout Compound	Locker Room Floor	Negative	

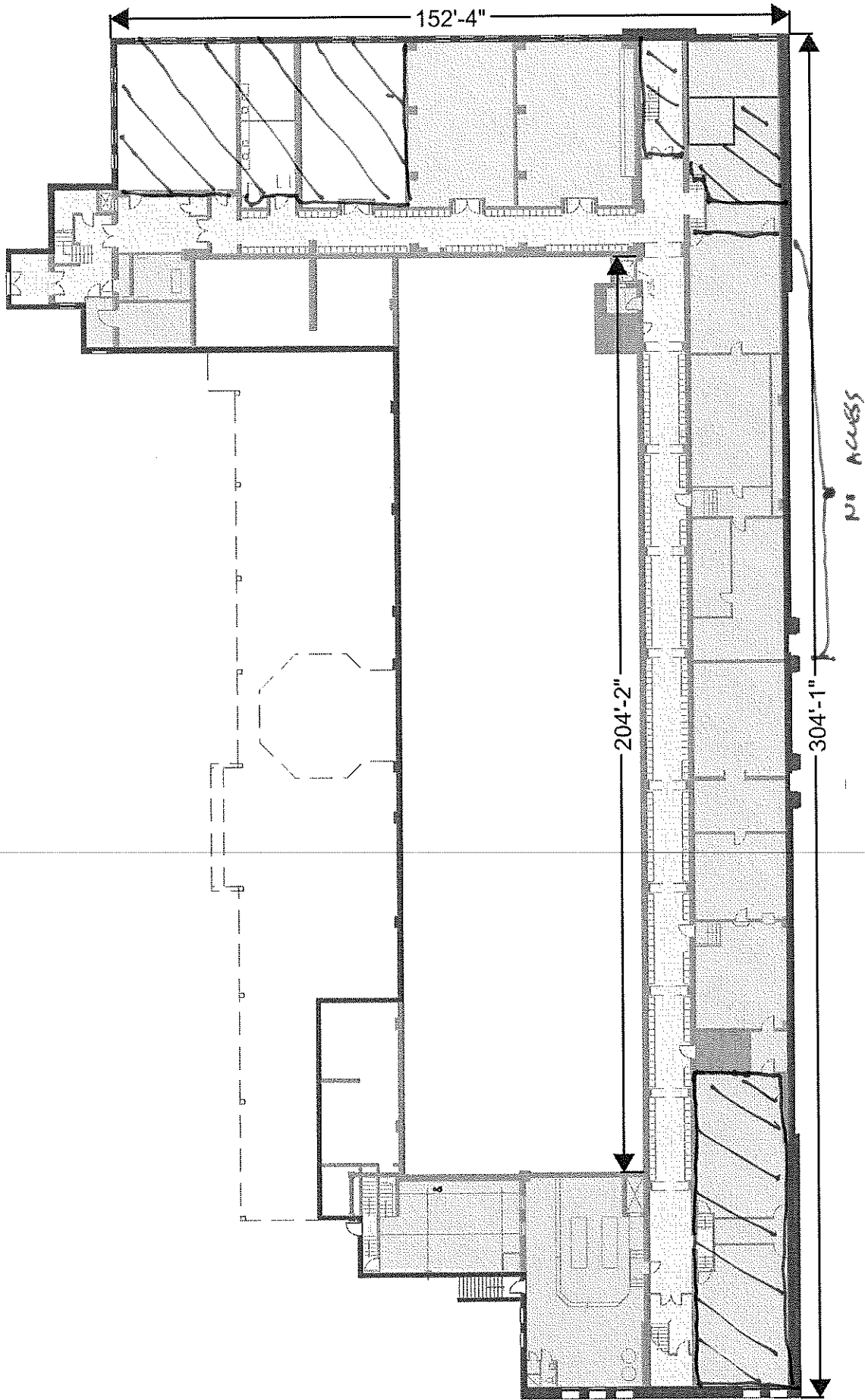
Note: For this report, **Positive** indicates an asbestos concentration greater than or equal to 1%.

Negative indicates a non-detect for asbestos fibers.

**Trace** indicates a positive concentration of less than 1% asbestos.

**B) I FLOOR PLAN WITH SAMPLE LOCATIONS**

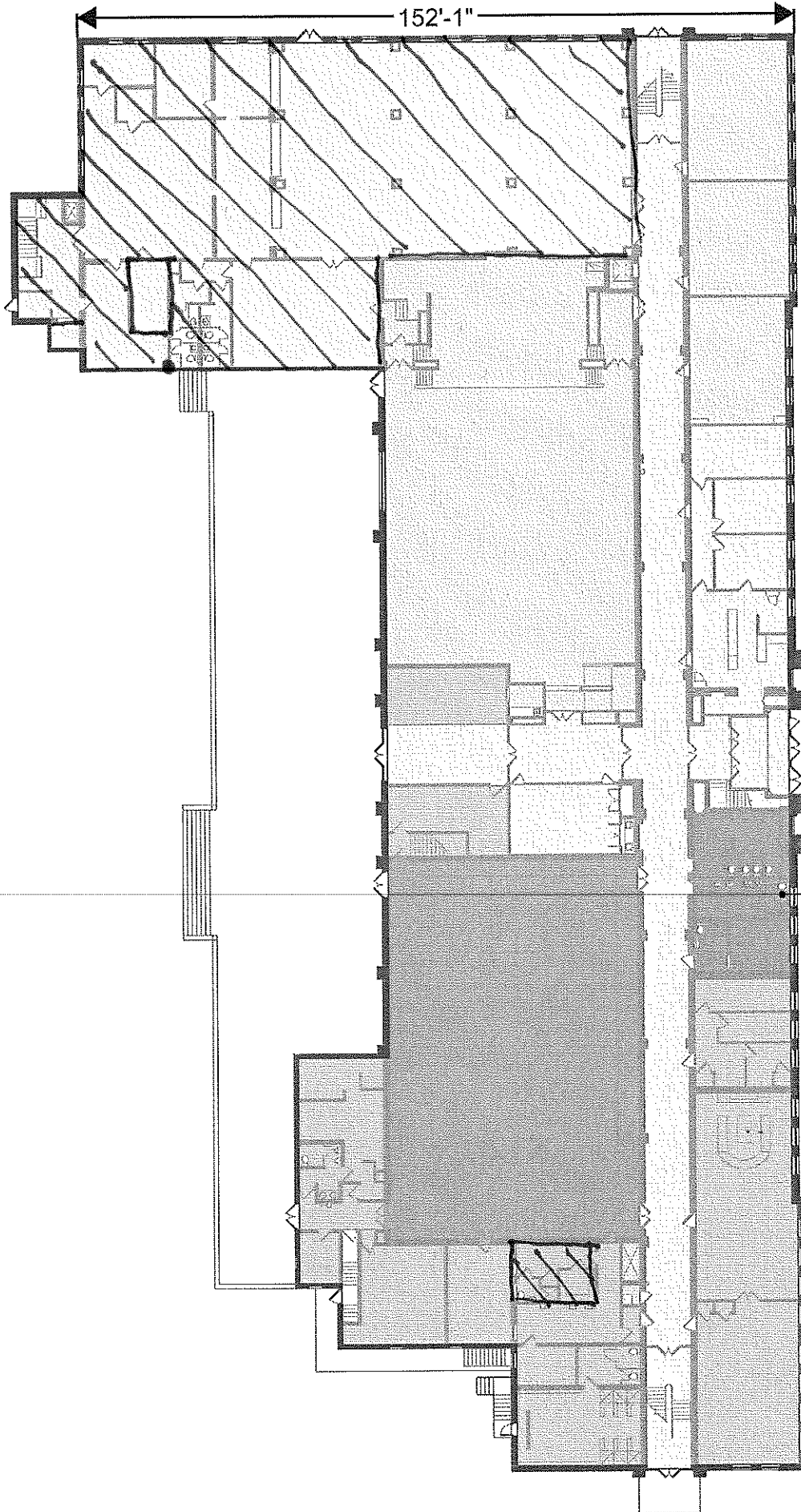




8-16-24  
TMA

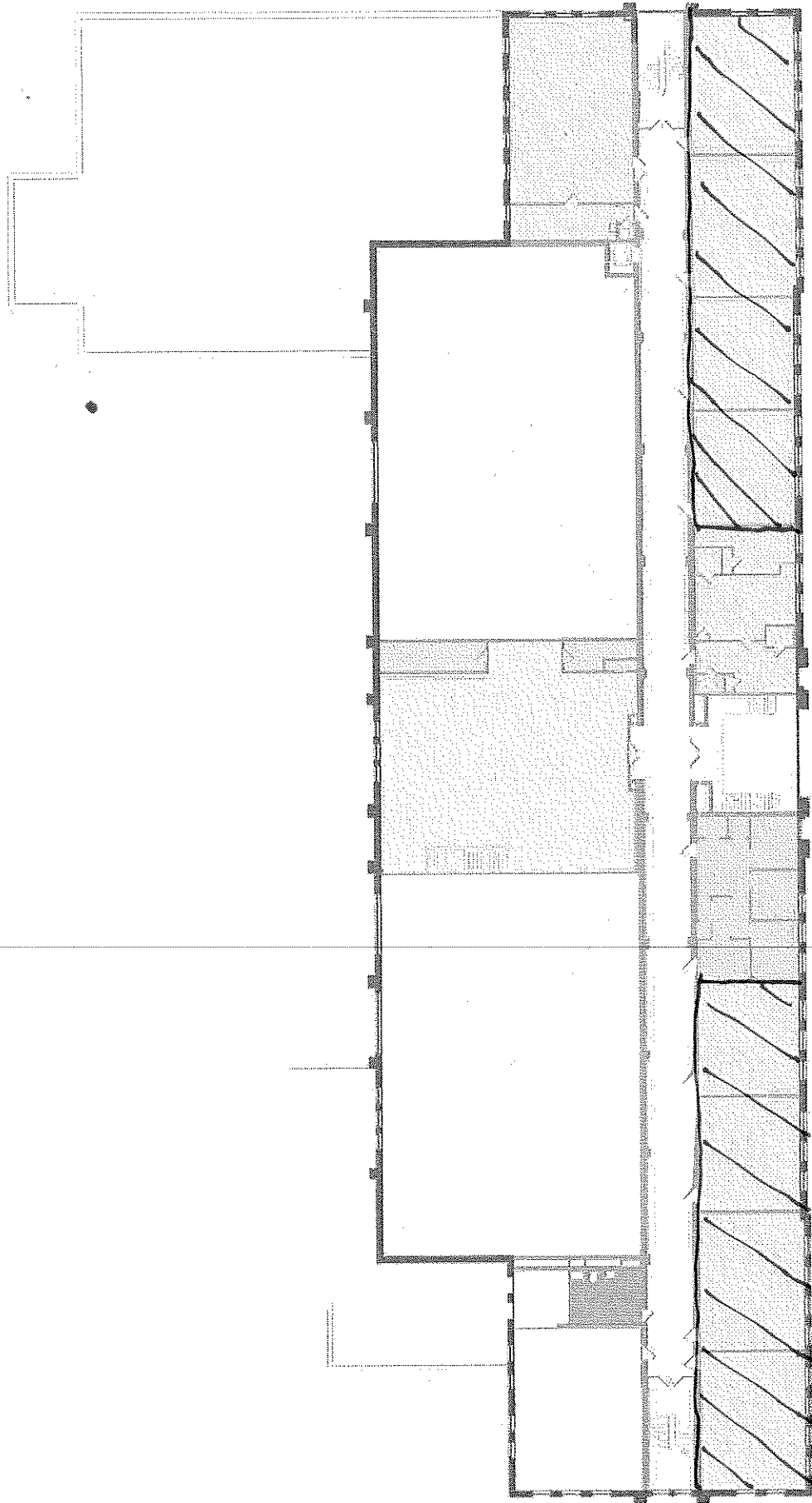
Erie county Community College (west)  
2403 West 8th Street, Erie PA 16505  
**Basement Level**  
NOT TO SCALE  
Prepared by: Chris Ray 1/2/24

VAT LOCATIONS - ACCESSIBLE ROOMS = [Symbol]



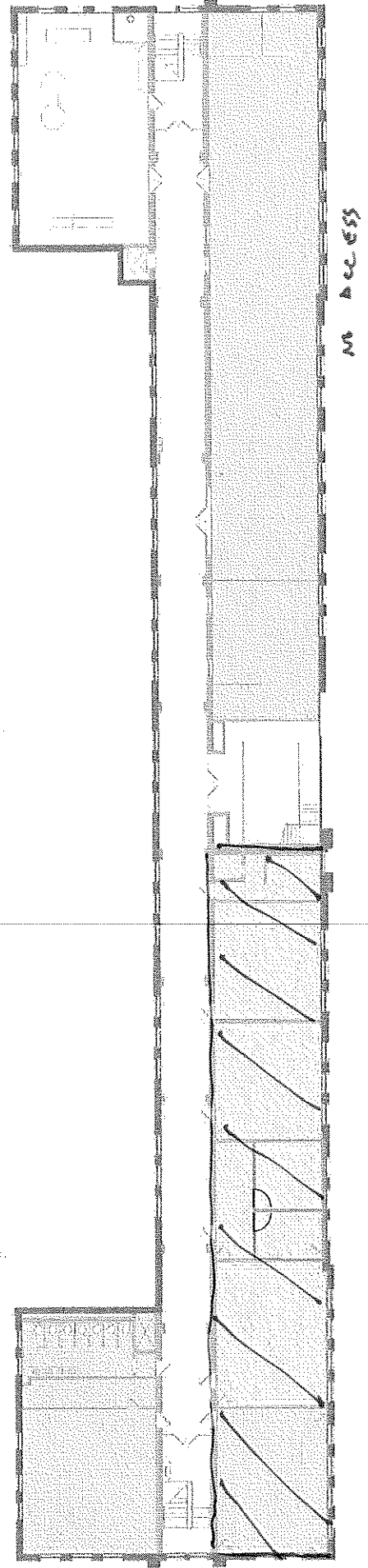
RESTROOMS

VAF LOCATIONS = 



Erie county Community College (west)  
2403 West 8th Street, Erie PA 16505  
**Second Floor Level**  
NOT TO SCALE  
Prepared by: Chris Ray 1/5/24

VAT LOCATION = [diagonal hatching symbol]



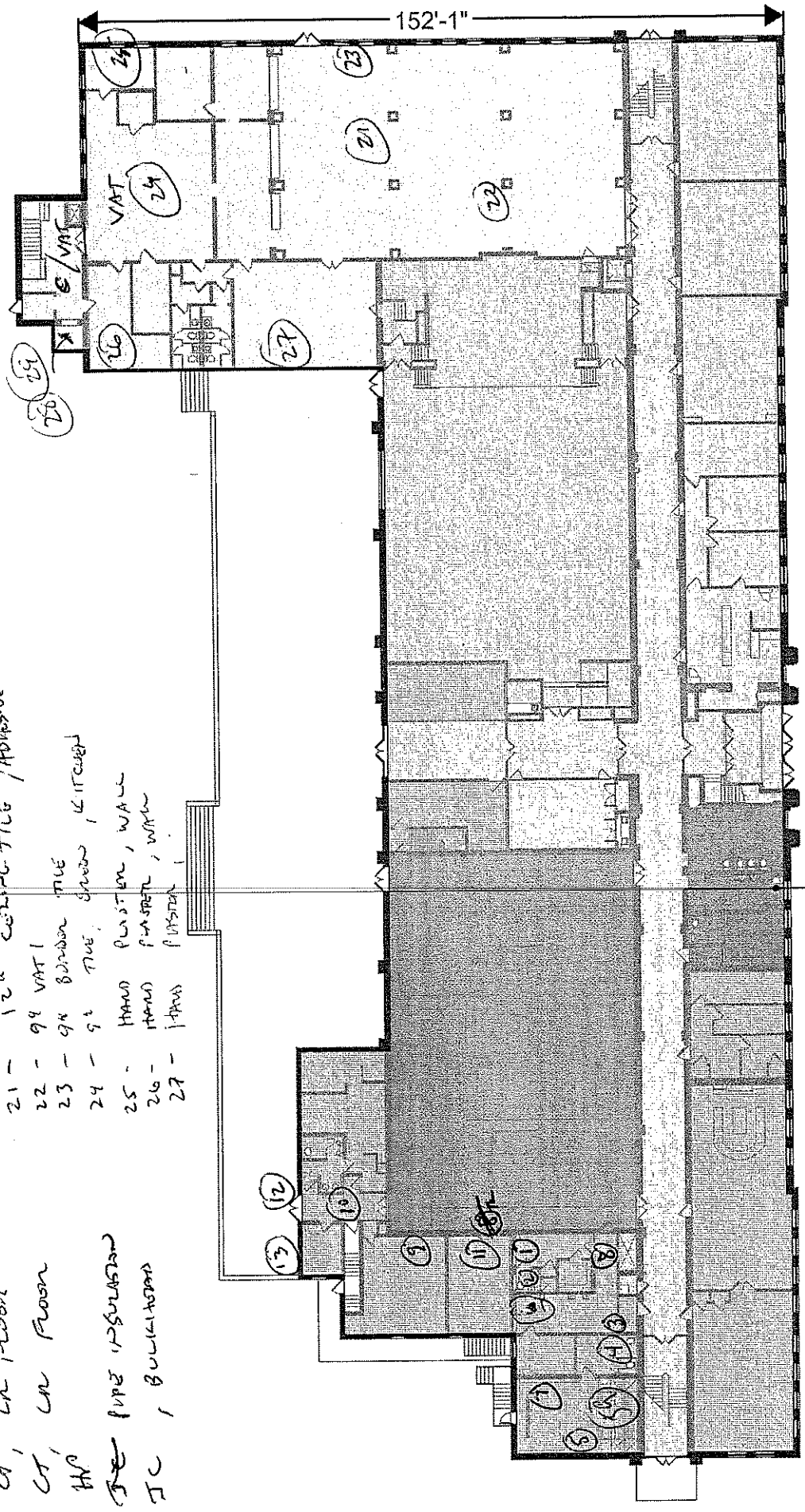
V.A.T. LOCATION

V.A.T.

- 1 - VAT / MASTIC
- 2 - HP
- 3 - HP
- 4 - 4" wall tile / mortar
- 5 - CT, LN Floor
- 6 - CT, LN Floor
- 7 - HP
- 8 - ~~IC~~ FIRE INSULATION
- 9 - IC, BUILDING

- 10 - 12" wall tile / mortar
- 11 - JC, DOOR FRAME
- 12 - GROUT, DECK
- 13 - GROUT, WINDOW
- 21 - 12" CERAMIC TILE / ADHESIVE
- 22 - 9" VAT
- 23 - 9" BINDER TILE
- 24 - 9" TILE, SHOW, KITCHEN
- 25 - HAND PUNTER, WALL
- 26 - HAND PUNTER, WALL
- 27 - HAND PUNTER

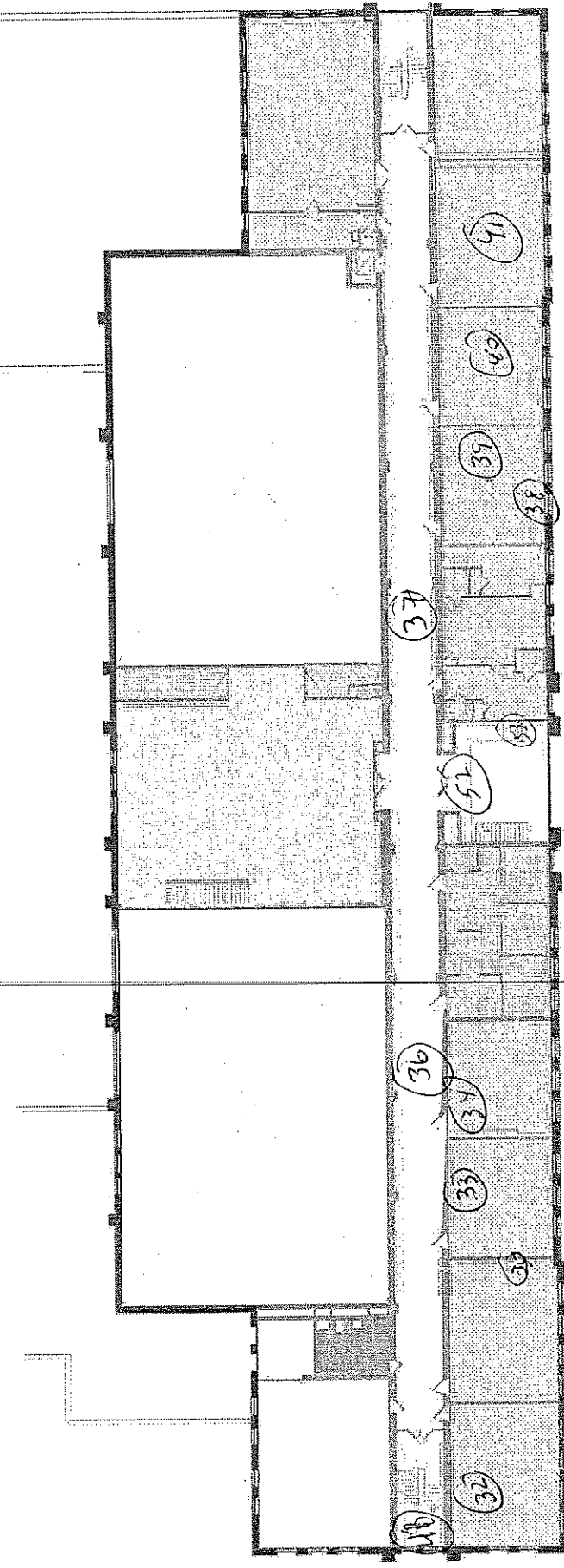
- 28 - TILE / MORTAR - CORNER
- 29 - GROUT, CORNER
- 30 - INSULATION, CORNER CELLING
- 31 - ADDITIONAL PACE, CELLING



RESTROOMS

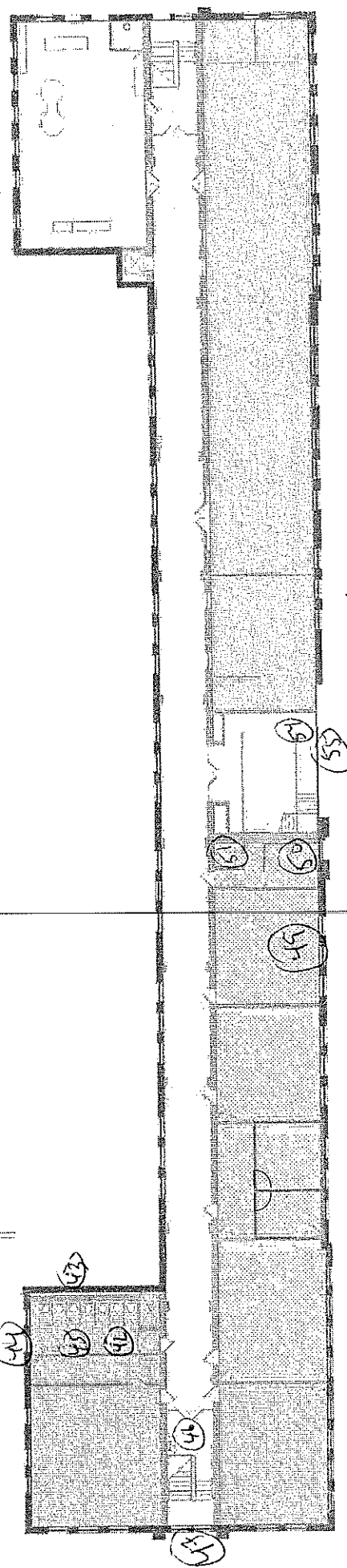
8-16-67

- 32) VAC, BELOW LABS, ROOM 200
- 33) JOINT COMPUND, CLASSROOM WORK SYSTEM
- 34) JOINT COMPUND, CLASSROOM WORK
- 35) HAND PLASTER, CLASSROOM 202 PARTITION WALL
- 36) HAND PLASTER, HALL CEILING, 2ND FLR
- 37) HAND PLASTER, HALL CEILING, 2ND FLR
- 38) JOINT COMPUND, DRYWALL WORK
- 39) 12" CEILING TILE, ABOVE LABS, ROOM 208
- 40) HAND PLASTER, CLASSROOM 209 CORNER
- 41) 9" VAC, ROOM 211



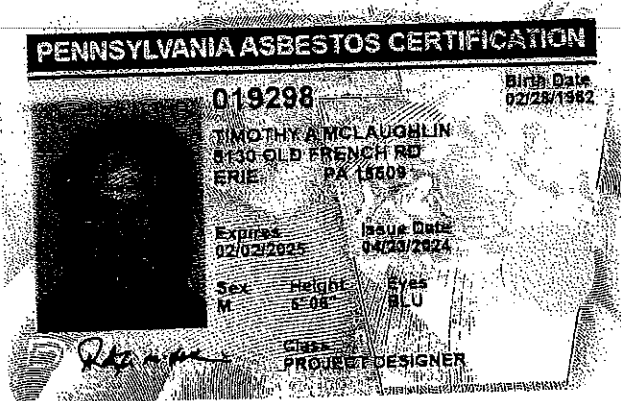
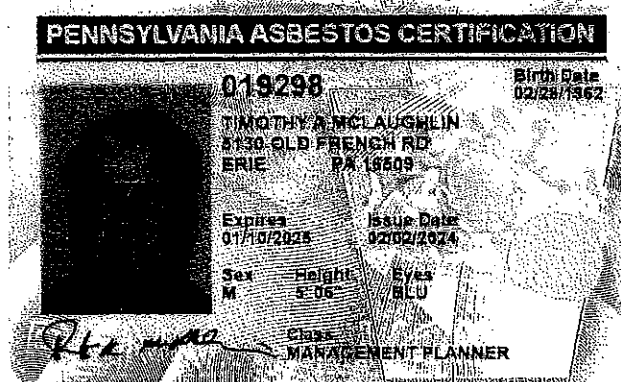
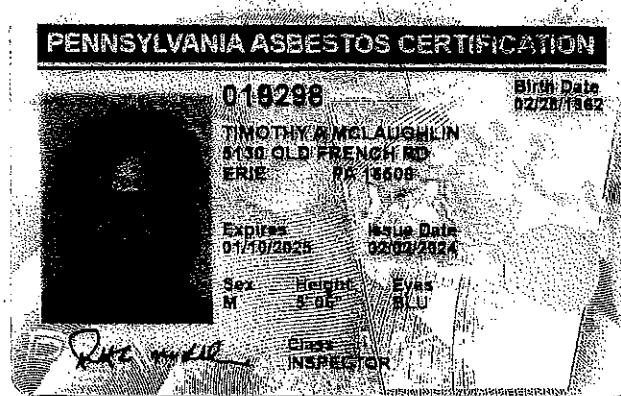
- 42) CT, Floor, 3rd Flr LVR
- 43) CT, WALL, 3rd Flr LVR
- 44) HAND PLASTER, WALL, 3rd Flr LVR
- 45) HAND PLASTER, 3rd Flr
- 46) MASTIC, EAST STAIRWELL WOOD CASSET
- 47) TILE, STAIR LANDING, EAST
- 48) TRUSS COVER, EAST STAIRWELL
- 49) VAF, ROOM, ROOM 304
- 50) VAF, FLOOR, ROOM 305
- 51) HAND PLASTER, WALL, RESTROOM
- 52) CT, 2nd Flr Landing, MAIN STAIRWELL
- 53) STAIR TREAD, MAIN STAIRWELL
- 54) STAIR LANDING, ~~EAST~~ MAIN STAIR
- 55) HAND PLASTER, MAIN STAIRWELL
- 56) TILE, LANDING, WEST STAIRWELL
- 57) BASE, EPOXY RESIN, STAIRWELL 1ST Flr

- 58) BASE, EPOXY RESIN
- 59) CT, LVR

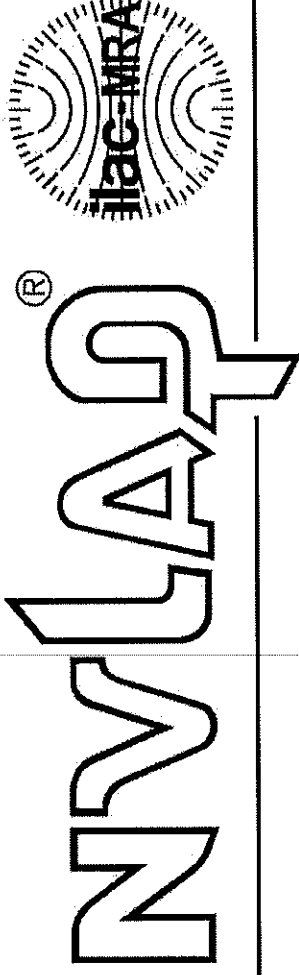


**B) II. ASBESTOS ACCREDITATION INFORMATION**





United States Department of Commerce  
National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101165-0

## International Asbestos Testing Laboratories

Mt. Laurel, NJ

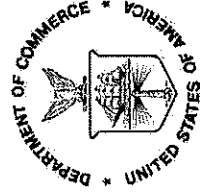
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

### Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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 on ISO/IEC 17025).

2024-07-01 through 2025-06-30

Effective Dates



A handwritten signature in cursive script, reading 'Peter S. Lander'.

For the National Voluntary Laboratory Accreditation Program

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**International Asbestos Testing Laboratories**

9000 Commerce Parkway  
Suite B  
Mt. Laurel, NJ 08054  
Mr. Frank E. Ehrenfeld III  
Phone: 856-231-9449 Fax: 856-231-9818  
Email: [frankehrenfeld@iatl.com](mailto:frankehrenfeld@iatl.com)  
<http://www.eurofins.com>

**ASBESTOS FIBER ANALYSIS**

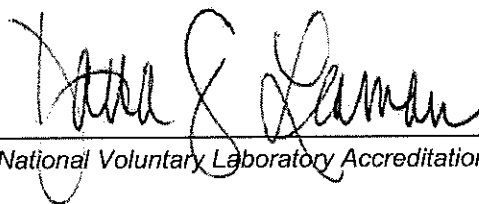
**NVLAP LAB CODE 101165-0**

**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.

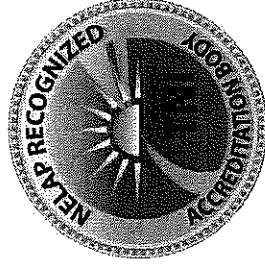


For the National Voluntary Laboratory Accreditation Program



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF LABORATORIES  
LABORATORY ACCREDITATION PROGRAM



Certifies That

68-03378

Eurofins Built Environment Testing

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ, 08054

Having duly met the requirement of  
The act of June 29, 2002 (P.L. 596, No. 90)  
dealing with Environmental Laboratories Accreditation  
(27 Pa. C.S. 4104-4113) and the

National Environmental Laboratory Accreditation Program Standard  
is hereby approved as an

## Accredited Laboratory

to conduct analysis within the fields of accreditations more fully described in the attached Scope of Accreditation

NELAP accreditation granted by the PA DEP to an environmental laboratory is conditioned upon continued compliance with the current edition of the NELAP Standard or TNI Standard and the following Subchapters and Sections of 25 Pa. Code Chapter 252: Subchapter A (relating to general provisions); Subchapter B (relating to application, fees and supporting documents); Subchapter E (relating to proficiency test study requirements); Subchapter F (relating to assessment requirements); Subchapter G (relating to miscellaneous provisions); Section 252.307; and Section 252.401.

Expiration Date: 04/30/2025

Certificate Number: 020

*Annmarie Beach*

Continued accreditation status depends on successful ongoing participation in the program  
Certificate not transferable Surrender upon revocation  
To be conspicuously displayed at the Laboratory  
Not valid unless accompanied by a valid Scope of Accreditation  
Shall not be used to imply endorsement by the Commonwealth of Pennsylvania  
Customers are urged to verify the laboratory's current accreditation status  
PA DEP is a NELAP recognized accreditation body

Annmarie Beach, Chief  
Laboratory Accreditation Program  
Bureau of Laboratories

**B) III ASBESTOS SAMPLE CERTIFICATES OF ANALYSIS**

**Erie County Community College  
2403 West 8th Street  
Erie, PA 16505**

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W.O. F4H0459

**Certificates of Analysis**



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

F4H0459

Project Description

AHERA Inspection

For:

Chris Ray

**Erie County Community College**

2403 West 8th St

Erie, PA 16505

*Carolyn M. Vollentine*

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Service Center Manager

Carolyn Vollentine

Thursday, September 12, 2024

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac Laboratories, Inc. - Erie. If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed above.

I certify that all test results meet all of the requirements of the accrediting authority listed within this report. Analytical results are reported on a 'as received' basis unless specified otherwise. Analytical results for solids with units ending in (dry) are reported on a dry weight basis. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

Microbac Laboratories, Inc.

5340 Fryling Road, Suite 103 | Erie, PA 16510 | 814.825.8533 p | [www.microbac.com](http://www.microbac.com)



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

F4H0459

**Erie County Community College**

Chris Ray  
2403 West 8th St  
Erie, PA 16505

**Project Name: AHERA Inspection**

Project / PO Number: N/A  
Received: 08/30/2024  
Reported: 09/12/2024

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**Note**

All sample results for this work order are attached to the end of this report.

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## Sample Summary Report

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Client Matrix</u>	<u>Sample Type</u>	<u>Sample Begin</u>	<u>Sample Taken</u>	<u>Lab Received</u>
9" Vat, Locker Room Office	F4H0459-01	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Locker Room Wall	F4H0459-02	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Locker Room Wall	F4H0459-03	Solid	Grab		08/12/24 00:00	08/30/24 10:18
4" Wall Tile/Mortar, LR Restroom	F4H0459-04	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Ceramic Tile, Locker Room Shower	F4H0459-05	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Ceramic Tile, Locker Room	F4H0459-06	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Locker Room	F4H0459-07	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Pipe Insulation Wrap	F4H0459-08	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Joint Compound, Bulkhead	F4H0459-09	Solid	Grab		08/12/24 00:00	08/30/24 10:18
12" VCT, Tan	F4H0459-10	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Joint Compound, Door Frame	F4H0459-11	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Caulking, Door	F4H0459-12	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Caulking, Floor	F4H0459-13	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Ceiling Tile, 12", Room 001	F4H0459-14	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Pipe Insulation, Air Cell	F4H0459-15	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Pipe Insulation, MAG	F4H0459-16	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Joint Compound, Bulkhead by 004	F4H0459-17	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Room 004	F4H0459-18	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Ceiling, Room 001	F4H0459-19	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Ceiling, Room 012	F4H0459-20	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Ceiling Tile 12"	F4H0459-21	Solid	Grab		08/12/24 00:00	08/30/24 10:18
9" VAT, Cafeteria	F4H0459-22	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Border Tile, Brown	F4H0459-23	Solid	Grab		08/12/24 00:00	08/30/24 10:18
9" VAT, Green, Old Kitchen	F4H0459-24	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Wall, Kitchen	F4H0459-25	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Wall, Cafeteria	F4H0459-26	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Hard Plaster, Wall, Dining Room	F4H0459-27	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Tile/Mortar, Old Cooler	F4H0459-28	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Grout, Old Cooler	F4H0459-29	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Insulation, Old Cooler	F4H0459-30	Solid	Grab		08/12/24 00:00	08/30/24 10:18
Adhesive Puck, Cafeteria Ceiling	F4H0459-31	Solid	Grab		08/12/24 00:00	08/30/24 10:18



9" Tile, Room 200	F4H0459-32	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Joint Compound, Class Wall	F4H0459-33	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Joint Compound, Classroom 202	F4H0459-34	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, Room 202	F4H0459-35	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, Hall Ceiling	F4H0459-36	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, Hall Ceiling	F4H0459-37	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Joint Compound, Drywall	F4H0459-38	Solid	Grab	08/30/24 00:00	08/30/24 10:18
12" Ceiling Tile, Room 208	F4H0459-39	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, Room 209 Ceiling	F4H0459-40	Solid	Grab	08/30/24 00:00	08/30/24 10:18
9" Vinyl Tile, Room 211	F4H0459-41	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Ceramic Tile, 3rd Flr LRR	F4H0459-42	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Ceramic Tile, Wall, LRR	F4H0459-43	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, Wall, LRR	F4H0459-44	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, 3rd Flr	F4H0459-45	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Mastic, East Stairwell	F4H0459-46	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Tile, East Stairwell Landing	F4H0459-47	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Tread Cover, East Stairwell	F4H0459-48	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Vinyl Tile, Room 304	F4H0459-49	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Vinyl Tile, Room 305	F4H0459-50	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, Restroom Wall	F4H0459-51	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Ceramic Tile, 2nd Flr Landing, Main Stairwell	F4H0459-52	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Stair Tread, Main Stairwell	F4H0459-53	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Stair Landing, Main Stairwell	F4H0459-54	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Hard Plaster, Main Stairwell Wall	F4H0459-55	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Tile, Landing, West Stairwell	F4H0459-56	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Base, Stairwell, 1st Flr W	F4H0459-57	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Base, Stairwell, 1st Flr E	F4H0459-58	Solid	Grab	08/30/24 00:00	08/30/24 10:18
Ceramic Tile, Locker Room	F4H0459-59	Solid	Grab	08/30/24 00:00	08/30/24 10:18



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

F4H0459

Cooler Receipt Log

Cooler ID: Default Cooler

Temp: 0.0°C

Cooler Inspection Checklist

Ice Present or not required?	Yes	Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes	Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes	Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes	Sample type identified on COC?	Yes
Correct type of Containers Received	Yes	Correct number of containers listed on COC?	Yes
Containers Intact?	Yes	COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes	Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes	Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes	Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes	pH<2 (Metals, COD, NH3, P, TKN) or not recd?	Yes
pH>10 (NPW) >12 (DW) Cyanide, or not recd?	Yes		

Report Comments

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <<https://www.microbac.com/standard-terms-conditions>>.*

Reviewed and Approved By:

*Carolyn M. Vollentine*

Carolyn Vollentine

Service Center Manager

Reported: 09/12/2024 15:54

## Chain of Custody

- Bulk Asbestos -

003750495

### Contact Information

Client Company: Microbac Laboratories, Inc.  
Office Address: 100 Marshall Drive  
City, State, Zip: Warrendale, PA 15086  
Fax Number:  
Email Address: pltsub@microbac.com

Project Number: R4H0459  
Project Name: ECC  
Primary Contact: Carolyn Vollenfene  
Office Phone: 814-825-6432  
Cell Phone:

### PLM Instructions:

- ☒ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☐ PLM: Point Counting
  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points \*
  - ☐ PC: 1600 Points \*

- ☐ PLM: Instructions for Multi-Layered Samples
  - ☐ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer

- ☐ PLM: Analyze Until Positive (Positive Stop)
  - ☐ AUP: by Homogenous Area as Noted
  - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
  - ☐ PLM: Friable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 \*
  - ☐ If <1% by PLM, Hold for Instructions

- ☐ PLM: Non-Building Material\*\* (Dust, Wipe, Tape)
  - ☐ Soil or Vermiculite Analysis
  - ☐ CARE 435

### Special Instructions:

\* Additional charge and turnaround may be required

\*\* Alternative Method (ex: EPA 600/4-94/004) may be recommended by Laboratory

### Turnaround Time

Preliminary Results Requested Date: \_\_\_\_\_

☐ Verbal ☒ Email ☐ Fax

RECEIVED

Specific Date / Time  
☐ 10 Day ☐ 5 Day ☒ 3 Day ☐ 2 Day ☐ 1 Day\* ☐ 12 Hour\*\* ☐ 6 Hour\*\* ☐ RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\* Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): R. M. All  
Received (Name / IATL):  
Sample Log# (Name / IATL):  
Analysis (Name(s) / IATL):  
QA/QC Review (Name / IATL):  
Archived / Released: QA/QC InterLAB Use:

Date: 8-16-24  
Date: \_\_\_\_\_  
Date: \_\_\_\_\_  
Date: \_\_\_\_\_  
Date: \_\_\_\_\_  
Date: \_\_\_\_\_

Time: 15:00  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_  
Time: \_\_\_\_\_

003750495

# Sample Log

-Bulk Asbestos-

Client: Microbac Warrendale Project: F4H0459 ELL

Sampling Date/Time: 9-12-24

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
-1		9" VET, LOCKER ROOM	OFFICE
-2		HARD PLASTER, LOCKER ROOM WALL	
-3		HARD PLASTER, LOCKER ROOM WALL	
-4		4" WALL TILE / MANTLE, LR RESTROOM	
-5		CERAMIC TILE, LOCKER ROOM SHOWER	
-6		CERAMIC TILE, LOCKER ROOM	
-7		HARD PLASTER, LOCKER ROOM	
-8		PIPE INSULATION WRAP	
-9		JOINT COMPOUND, DULK HEAD	
-10		12" VET, TAN	
-11		JOINT COMPOUND, DOORFRAME	
-12		CAULKING, DOOR	
-13		CAULKING, WINDOW	
-14		CROWN TILE, 12" , Room 001	
-15		PIPE INSULATION, AIR CON	
-16		PIPE INSULATION, AIR CON	



# Sample Log

-Bulk Asbestos-

Client: Microbac Warrendale Project: 154H0459 ECC

Sampling Date/Time: 8-12-24

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
-17		JOINT Compound, BULKHEAD BY 004	
-18		HARD PLASTER, Room 004	
-19		HARD PLASTER, CEILING, room 011	
-20		HARD PLASTER, CEILING, BY 012	
-21		CEILING TILES, 12"	
-22		9" VAT, CAFETERIA	
-23		BORDER TILE, BROWN	
-24		9" VAT, GRout, OLD KITCHEN	
-25		HARD PLASTER, WALL, KITCHEN	
-26		HARD PLASTER, WALL, CAFETERIA	
-27		HARD PLASTER, WALL, DINING ROOM	
-28		TILE / MORTAR, OLD COOLING	
-29		GRout, OLD COOLING	
-30		INSULATION, OLD COOLING	
-31		ADHESIVE PUCK, CAFETERIA CEILING	



## Chain of Custody

— Bulk Asbestos —

### Contact Information

Client Company: Microbac Laboratories, Inc.  
Office Address: 100 Marshall Drive  
City, State, Zip: Warrendale, PA 15086  
Fax Number:  
Email Address: plittsub@microbac.com

Project Number: F4 H0 459  
Project Name: ECC  
Primary Contact: Carolyn Volentine  
Office Phone: 814-825-6432  
Cell Phone:

### PLM Instructions:

- ☒ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☐ PLM: Point Counting
  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points \*
  - ☐ PC: 1600 Points \*

- ☐ PLM: Instructions for Multi-Layered Samples
  - ☐ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer

- ☐ PLM: Analyze Until Positive (Positive Stop)
  - ☐ AUP: by Homogenous Area as Noted
  - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOE via 198.6
  - ☐ PLM: Fdable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 \*
  - ☐ If <1% by PLM, Hold for Instructions

- ☐ PLM: Non-Building Material\*\* (Dust, Wipe, Tape)
  - ☐ Soil or Vermiculite Analysis
  - ☐ CARB 435

Special Instructions:

\* Additional charge and turnaround may be required \*\* Alternative Method (as EPA 600/R-04/1104) may be recommended by Laboratory

### Turnaround Time

Preliminary Results Requested Date:

Specify date / time

- ☐ 10 Day ☐ 5 Day ☐ 3 Day ☒ 2 Day ☐ 1 Day\* ☐ 12 Hour\*\* ☐ 6 Hour\*\* ☐ RUSH\*\*

\* End of next business day unless otherwise specified. \*\* Matrix Dependent. \*\*\*Please notify the lab before shipping\*\*\*

### Chain of Custody

Relinquished (Name/Organization): <u>[Signature]</u>	Date: <u>8-30-24</u>	Time: <u>15:00</u>
Received (Name / IATL):	Date:	Time:
Sample Login (Name / IATL):	Date:	Time:
Analysis (Name(s) / IATL):	Date:	Time: <u>06:11</u>
QA/QC Review (Name / IATL):	Date:	Time:
Archived / Released:	Date:	Time:

QA/QC InterLAB Use:

(storing more than 30 days - use sample at 4°C) by  
www.iatl.com



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# Sample Log

- Bulk Asbestos -

Client: Microbac Warrendale Project: F4H0459 ECC

Sampling Date/Time: \_\_\_\_\_

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
-32		9" TILE, Room 200	
-33		JOINT COMPOUND, CLASS WALL	
-34		JOINT COMPOUND, CLASSROOM 202	
-35		HARD PLASTER, <sup>then</sup> <del>HALF</del> CEILING Room 202	
-36		HARD PLASTER, HALF CEILING	
-37		HARD PLASTER, HALF CEILING	
-38		JOINT COMPOUND, BRICK WALL	
-39		12" CEILING TILE - Room 208	
-40		HARD PLASTER, Room 209 CEILING	
-41		9" VINYL TILE, Room 211	
-42		CERAMIC TILE, 3rd FLR LRR	
-43		CERAMIC TILE, WALL, LRR	
-44		HARD PLASTER, WALL, LRR	
-45		HARD PLASTER, 3RD FLR	
-46		MASTIC, EAST STAIRWELL	
-47		TILE, EAST STAIRWELL LANDING	



2 of 2

# Sample Log

-Bulk Asbestos-

Client: Microbac Warrendale Project: F4H0459 ECC

Sampling Date/Time: \_\_\_\_\_

Bulk Asbestos Sample Log			
Client Sample #	IATL #	Location/Description	Notes
-48		METAL COVER, EAST	STAIRWELL
-49		VINYL TILE, ROOM	304
-50		VINYL TILE, ROOM	305
-51		HAND PLASTER, RESTROOM WALL	
-52		CERAMIC TILE, 2ND FLOOR LANDING,	MAIN STAIRWELL
-53		STAIR TREAD, MAIN	STAIRWELL
-54		STAIR LANDING, MAIN	STAIRWELL
-55		HAND PLASTER, -MAIN STAIRWELL WALL	
-56		TILE, LANDING, WEST STAIRWELL	
-57		BASE, STAIRWELL, 1st FLOOR W	
-58		BASE, STAIRWELL, 1st FLOOR E	
-59		CERAMIC TILE, LOCKER ROOM	





Report for:

**Carolyn Vollentine**  
**Microbac Laboratories - Pennsylvania**  
100 Marshall Dr  
Warrendale, PA 15086

---

Regarding: Eurofins EPK Built Environment Testing, LLC  
Project: F4H0459 - ECC  
EML ID: 3750495

Approved by:

Dates of Analysis:  
Asbestos PLM (Layer %): 08-22-2024

Approved Signatory  
Frank Ehrenfeld

Service SOPs: Asbestos PLM (Layer %) (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Microbac Laboratories - Pennsylvania  
C/O: Carolyn Vollentine  
Re: F4H0459 - ECC

Date of Receipt: 08-19-2024  
Date of Report: 08-22-2024

**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**  
**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-1. 9" VAT, Locker Room Office 18474675-1	Layer 1 Tan Floor Tile Homogeneity:Good	6% Chrysotile	94% Non-Fibrous Material	
	Layer 2 Black Mastic Homogeneity:Good	3% Chrysotile	97% Non-Fibrous Material	
-2. Hard Plaster, Locker Room Wall 18498254-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-3. Hard Plaster, Locker Room Wall 18498255-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-4. 4" Wall Tile/Mortar, LR Restroom 18498256-1	Layer 1 Pink/ White Ceramic Tile Homogeneity:Moderate	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Mortar Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Grout Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-5. Ceramic Tile, Locker Room Shower 18498257-1	Layer 1 Brown Ceramic Tile Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Mortar Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

**Comments:**

The total percentage of sample components shown may be greater than 100% when some components are detected at <1%.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers of that type were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Microbac Laboratories - Pennsylvania  
C/O: Carolyn Vollentine  
Re: F4H0459 - ECC

Date of Receipt: 08-19-2024  
Date of Report: 08-22-2024

**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**  
**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-6. Ceramic Tile, Locker Room 18498258-1 (cont.)	Layer 1 Brown Ceramic Tile Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Mortar Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
-7. Hard Plaster, Locker Room 18498259-1	Layer 1 Gray Plaster Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
-8. Pipe Insulation Wrap 18498260-1	Layer 1 Tan Insulation Homogeneity: Good	Not Detected	99% Cellulose 1% Non-Fibrous Material	
-9. Joint Compound, Bulkhead 18498261-1	Layer 1 White Joint Compound Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
-10. 12" VCT, Tan 18498262-1	Layer 1 Tan Floor Tile Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Black Mastic Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
-11. Joint Compound, Doorframe 18498263-1	Layer 1 White Joint Compound Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
-12. Caulking, Door 18498264-1	Layer 1 Gray/Black Caulk Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
-13. Caulking, Window 18498265-1	Layer 1 Black Caulk Homogeneity: Good	Not Detected	100% Non-Fibrous Material	
-14. Ceiling Tile, 12", Room 001 18498266-1	Layer 1 Tan Ceiling Tile Homogeneity: Good	Not Detected	45% Glass Fibers 45% Non-Fibrous Material 10% Cellulose	
-15. Pipe Insulation, Air Cell 18498267-1	Layer 1 Tan/White Insulation Homogeneity: Good	35% Chrysotile	45% Cellulose 20% Non-Fibrous Material	
-16. Pipe Insulation, Mag 18498268-1	Layer 1 White Insulation Homogeneity: Good	45% Chrysotile	55% Non-Fibrous Material	
-17. Joint Compound, Bulkhead by 004 18498269-1	Layer 1 White Joint Compound Homogeneity: Good	Not Detected	100% Non-Fibrous Material	

**Comments:**

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Client: Microbac Laboratories - Pennsylvania  
C/O: Carolyn Vollentine  
Re: F4H0459 - ECC

Date of Receipt: 08-19-2024  
Date of Report: 08-22-2024

**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**  
**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-18. Hard Plaster, Room 004 18498270-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-19. Hard Plaster, Ceiling, Room 011 18498271-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-20. Hard Plaster, Ceiling, by 012 18498272-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-21. Ceiling Tile, 12" 18498273-1	Layer 1 Tan Ceiling Tile Homogeneity:Good	Not Detected	40% Cellulose 30% Glass Fibers 30% Non-Fibrous Material	
	Layer 2 Brown Mastic Homogeneity:Good	< 1% Chrysotile	100% Non-Fibrous Material	
-22. 9" VAT, Cafeteria 18498274-1	Layer 1 Tan Floor Tile Homogeneity:Good	6% Chrysotile	94% Non-Fibrous Material	
	Layer 2 Black Mastic Homogeneity:Good	2% Chrysotile	98% Non-Fibrous Material	
-23. Border Tile, Brown 18498275-1	Layer 1 Brown Floor Tile Homogeneity:Good	8% Chrysotile	92% Non-Fibrous Material	
	Layer 2 Black Mastic Homogeneity:Good	< 1% Chrysotile	100% Non-Fibrous Material	

**Comments:**

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Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-24. 9" VAT, Green, Old Kitchen 18498276-1(cont.)	Layer 1 Green Floor Tile Homogeneity:Good	7% Chrysotile	93% Non-Fibrous Material	
	Layer 2 Black Mastic Homogeneity:Moderate	2% Chrysotile	98% Non-Fibrous Material	
-25. Hard Plaster, Wall, Kitchen 18498277-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-26. Hard Plaster, Wall, Cafeteria 18498278-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-27. Hard Plaster, Wall, Dining Room 18498279-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-28. Tile/Mortar, Old Cooler 18498280-1	Layer 1 White Ceramic Tile Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Grout Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Mortar Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-29. Grout, Old Cooler 18498281-1	Layer 1 White Grout Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-30. Insulation, Old Cooler 18498282-1	Layer 1 Black Insulation - attached to brown cork material Homogeneity:Good	10% Chrysotile	90% Non-Fibrous Material	

**Comments:**

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**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-31. Adhesive Puck, Cafeteria Ceiling 18498283-1	Layer 1 Brown Mastic Homogeneity: Good	< 1% Chrysotile	100% Non-Fibrous Material	

**Comments:**

**Analyst(s):** Wineska Diaz  
Ellen Smith

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Report for:

**Carolyn Vollentine**  
**Microbac Laboratories - Pennsylvania**  
100 Marshall Dr  
Warrendale, PA 15086

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Regarding: Eurofins EPK Built Environment Testing, LLC  
Project: F4H0459 - ECC  
EML ID: 3767045

Approved by:

Approved Signatory  
Frank Ehrenfeld

Dates of Analysis:  
Asbestos PLM (Layer %): 09-03-2024 and 09-04-2024

Service SOPs: Asbestos PLM (Layer %) (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received and tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Microbac Laboratories - Pennsylvania  
C/O: Carolyn Vollentine  
Re: F4H0459 - ECC

Date of Receipt: 09-03-2024  
Date of Report: 09-04-2024

**Bulk Asbestos Fiber Analysis by Polarized Light Microscopy (PLM)**  
**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-32. 9" Tile, Room 200 18563686-1	Layer 1 Dk. Red Floor Tile Homogeneity:Good	2% Chrysotile	98% Non-Fibrous Material	
	Layer 2 Tan Mastic Homogeneity:Good	Not Detected	95% Non-Fibrous Material 5% Synthetic Fibers	
	Layer 3 Black Mastic Homogeneity:Good	6% Chrysotile	94% Non-Fibrous Material	
-33. Joint Compound, Class Wall 18563687-1	Layer 1 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-34. Joint Compound, Classroom 202 18563688-1	Layer 1 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-35. Hard Plaster, Tan Room 202 18563689-1	Layer 1 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 Lt. Yellow Texture + INSEPARABLE PAINT, THIN LAYER Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-36. Hard Plaster, Hall Ceiling 18563690-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	98% Non-Fibrous Material 2% Cellulose	
-37. Hard Plaster, Hall Ceiling 18563691-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	98% Non-Fibrous Material 2% Cellulose	
-38. Joint Compound, Drywall 18563692-1	Layer 1 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-39. 12" Ceiling Tile, Room 208 18563693-1	Layer 1 White Ceiling Tile Homogeneity:Good	Not Detected	90% Glass Fibers 10% Non-Fibrous Material	

**Comments:**

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**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-40. Hard Plaster, Room 209 Ceiling 18563694-1(cont.)	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	98% Non-Fibrous Material 2% Cellulose	
	Layer 2 White Joint Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-41. 9" Vinyl Tile, Room 211 18563695-1	Layer 1 Dk. Red Floor Tile Homogeneity:Good	2% Chrysotile	98% Non-Fibrous Material	
	Layer 2 Tan Mastic Homogeneity:Good	Not Detected	95% Non-Fibrous Material 5% Synthetic Fibers	
	Layer 3 Black Mastic Homogeneity:Good	5% Chrysotile	95% Non-Fibrous Material	
-42. Ceramic Tile, 3rd Floor LRR 18563696-1	Layer 1 Peach Ceramic Tile Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Grout Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-43. Ceramic Tile, Wall, LRR 18563697-1	Layer 1 Green Ceramic Tile Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Grout Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 4 Gray Plaster Homogeneity:Good	Not Detected	98% Non-Fibrous Material 2% Cellulose	

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**Appx E Sub E 40 CFR 763 / EPA 600/R-93/116**

Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-44. Hard Plaster, Wall, LRR 18563698-1(cont.)	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-45. Hard Plaster, 3rd Floor 18563699-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-46. Mastic, East Stairwell 18563700-1	Layer 1 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Leveling Compound Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-47. Tile, East Stairwell Landing 18563701-1	Layer 1 Red Floor Tile Homogeneity:Good	1% Chrysotile	99% Non-Fibrous Material	
	Layer 2 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 Black Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-48. Tread Cover, East Stairwell 18563702-1	Layer 1 Red Floor Tile Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 Black Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

**Comments:**

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Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-49. Vinyl Tile, Room 304 18563703-1	Layer 1 Brown Floor Tile Homogeneity:Good	10% Chrysotile	90% Non-Fibrous Material	
	Layer 2 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 Black Mastic Homogeneity:Good	10% Chrysotile	90% Non-Fibrous Material	
-50. Vinyl Tile, Room 305 18563704-1	Layer 1 Gray Floor Tile Homogeneity:Good	10% Chrysotile	90% Non-Fibrous Material	
	Layer 2 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 Black Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-51. Hard Plaster, Restroom Wall 18563705-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-52. Ceramic Tile, 2nd Floor Landing, Main Stairwell 18563706-1	Layer 1 Red Ceramic Tile Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Grout Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-53. Stair Tread, Main Stairwell 18563707-1	Layer 1 Red Floor Tile Homogeneity:Good	1% Chrysotile	99% Non-Fibrous Material	

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Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-53. Stair Tread, Main Stairwell 18563707-1(cont.)	Layer 2 Brown Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 Tan Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-54. Stair Landing, Main Stairwell 18563708-1	Layer 1 Red Floor Tile Homogeneity:Good	1% Chrysotile	99% Non-Fibrous Material	
	Layer 2 Brown Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 3 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-55. Hard Plaster, Main Stairwell Wall 18563709-1	Layer 1 Gray Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 White Plaster Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-56. Tile, Landing, West Stairwell 18563710-1	Layer 1 Red Floor Tile Homogeneity:Good	1% Chrysotile	99% Non-Fibrous Material	
	Layer 2 Brown Mastic Homogeneity:Good	2% Chrysotile	98% Non-Fibrous Material	
	Layer 3 Yellow Mastic Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-57. Base, Stairwell, 1st Floor W 18563711-1	Layer 1 Red Concrete Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Concrete Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

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Sample ID # Lab-ID version	Sample Description	Asbestos Constituents	Non-Asbestos Constituents	Comment
-58, Base, Stairwell, 1st Floor E 18563712-1	Layer 1 Red Concrete Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
-59, Ceramic Tile, Locker Room 18563713-1	Layer 1 Red Ceramic Tile Homogeneity:Good	Not Detected	100% Non-Fibrous Material	
	Layer 2 Gray Grout Homogeneity:Good	Not Detected	100% Non-Fibrous Material	

**Comments:**

**Analyst(s):** Wineska Diaz  
Dean Andrews  
Michael Moore

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**B) IV. SITE PHOTOS**



Typical Classroom Flooring (original) - Positive



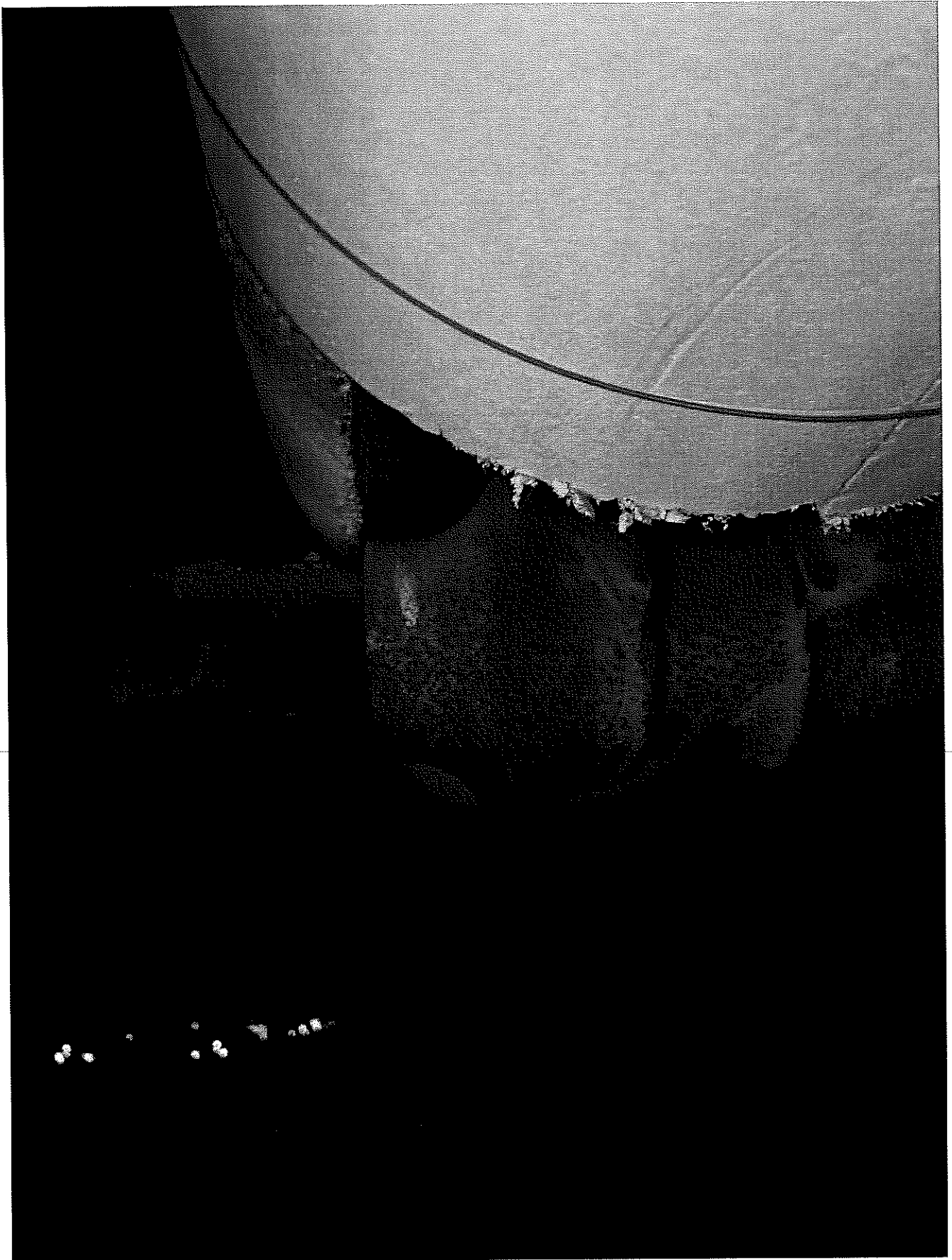


Ceramic Tile Flooring - Negative





Aircell Pipe Insulation on Heating Lines

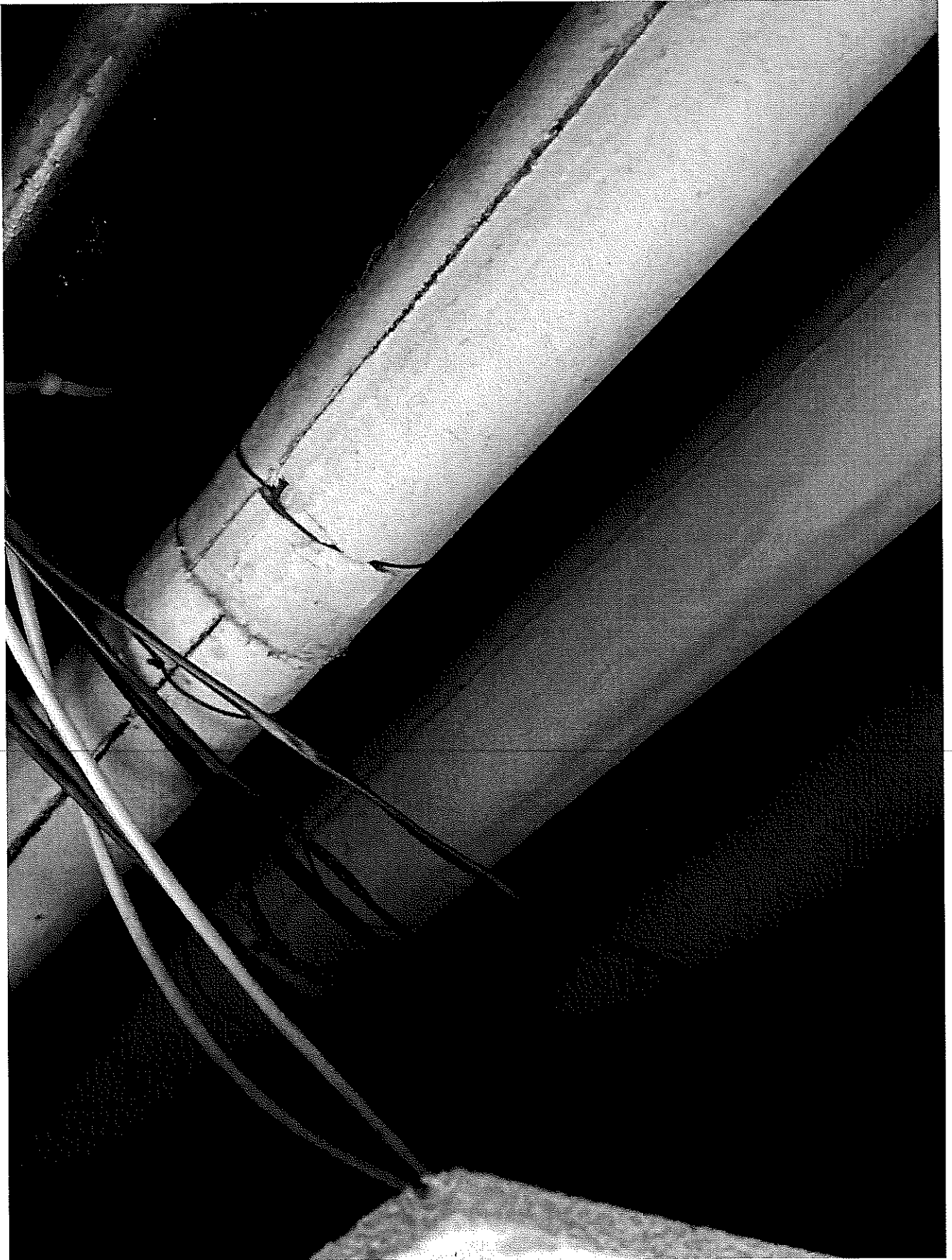


Mag Insulation on Steam Line



Pipe Insulation Above Ceiling





Aircell Pipe Insulation

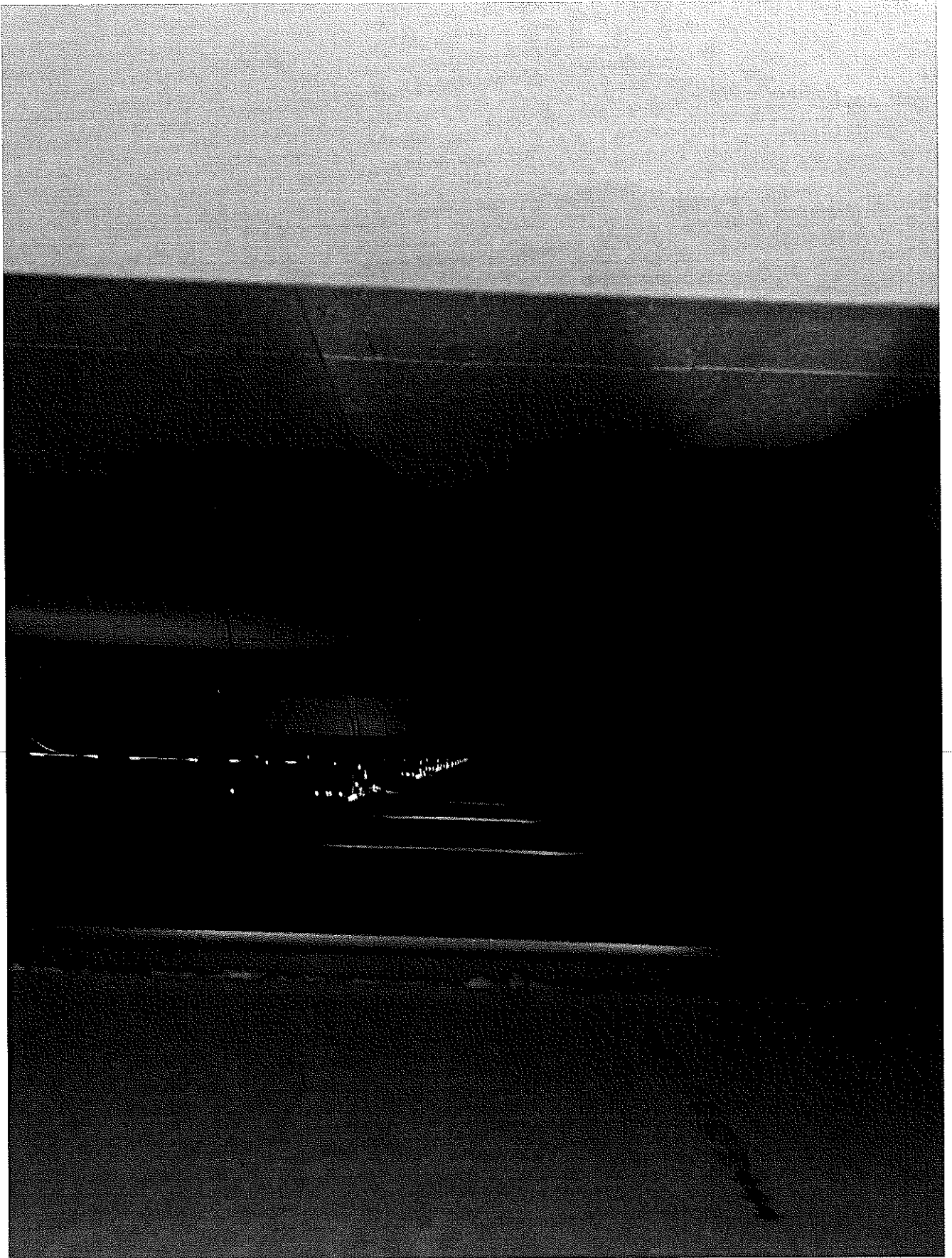


Cafeteria Floor and Border Tile





Kitchen Area Floor



Splined Ceiling above Lay-in Ceiling (typical)





Restroom Ceramic Tile