



Criterion  
Laboratories Inc.

## Report

# *ASBESTOS- CONTAINING MATERIALS SURVEY*

**AT:**

**Lebanon VA Medical Center – Building 4  
1700 South Lincoln Avenue  
Lebanon, PA 17042-7529**

**FOR:**

**Ms. Kelly Fields  
Department of Veterans Affairs  
Lebanon VA Medical Center  
1700 South Lincoln Avenue  
Lebanon, PA 17042-7529**

**PREPARED BY:**

**Mr. Steven A. Vena, CIH  
Project Manager**

3370 Progress Drive, Suite J, Bensalem, PA 19020  
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5 Penn Plaza, 23rd Floor, New York, NY 10001  
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[www.criterionlabs.com](http://www.criterionlabs.com)

**Report Date: January 15, 2015  
Project Number: 142073  
Date of Project: November 6, 2014  
Solicitation #: VA244-14-Q-1389**

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### ***Section Number***

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## **1.0 NARRATIVES**

## **1.0 NARRATIVES**

### **1.1 Purpose:**

Criterion Laboratories, Inc. (Criterion) was contracted by the Department of Veterans Affairs to conduct asbestos surveys of all buildings located at the Lebanon VA Medical Center campus, located at 1700 South Lincoln Avenue in Lebanon, PA. This report covers the survey performed within **Building 4**.

The purpose of the surveys was to identify and document asbestos-containing materials throughout the campus. The EPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation requires that buildings scheduled for renovations/demolition have an inspection identifying asbestos materials. OSHA's Construction Standard for Asbestos (29 CFR 1926.1101) requires that building materials installed prior to 1981 be inspected for asbestos or they must be classified as presumed asbestos-containing materials (PACM).

### **1.2 Personnel:**

The surveys were performed by Mr. Craig Gratz and Mr. Ryan Hunter, both EPA-accredited, PA-licensed building inspectors, on November 6, 2014. The report was written by Mr. Steven A. Vena, Certified Industrial Hygienist of Criterion.

### **1.3 Discussion and Survey Results:**

A total of twenty one (21) samples were collected during the survey. The samples were analyzed by Polarized Light Microscopy (PLM), which classifies a material as asbestos-containing if it contains greater than one percent asbestos. Asbestos (>1%) was detected in one (1) material:

#### **❖ Interior Window Glaze**

Please refer to Section 3.0, Asbestos Inventory, for specific quantities and locations of all asbestos-containing materials identified.

### **1.4 Disclaimer:**

Information contained herein was obtained by means of onsite observations, bulk sampling, and analytical data. Conclusions will be based upon the data obtained. This is not to imply that the data gathered is all the information that exists which may be pertinent to the site. Any areas inaccessible to the survey team due to reasons beyond the control of Criterion (i.e., behind hard walls, above hard ceilings, hidden pipe chases, etc.) will not be included in this report.

### **1.5 Conclusions and Recommendations:**

Any asbestos-containing material that will be disturbed by planned renovations should be first removed by a licensed abatement contractor.

Section 2.0, Laboratory Results, contains certificates of analyses for all bulk samples collected and analyzed.

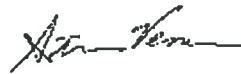
Section 3.0, Asbestos Inventory, lists specific locations and quantities of asbestos-containing materials.

Section 6.0 shows drawings with the location of the samples collected. Section 7.0 shows photographs of each homogenous material that was collected as a suspect asbestos-containing material. Section 8.0, Certifications, lists asbestos accreditations for all Criterion employees who worked on this project.

This report is intended to strictly comply with EPA, OSHA, and Pennsylvania regulations governing asbestos. This report should be referenced prior to disturbing any materials that may contain asbestos.

If additional materials are found behind hard walls or ceilings during future renovations, an asbestos building inspector should be contacted to reassess the area.

Criterion appreciates the opportunity to provide you with this Asbestos-Containing Materials Survey Report. Should you have any questions, please do not hesitate to call me at (215) 244-1300, extension 32.



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Steven A. Vena, CIH  
Project Manager

## **2.0 LABORATORY RESULTS**



# Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center  
Project #: 142073  
Collected By: Criterion Laboratories, Inc.

Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA  
17042-7529  
Analyzed By: Leiby, Clinton

Sample Date: 11/6/2014  
Sample Received Date: 11/11/2014 8:29:00 AM  
Analysis Date: 11/13/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-4-001 Interior Window Glaze Building 4 - West Section Basement	1	---	98	Chrysotile	2	
142073-4-002 Interior Window Glaze Building 4 - West Section Basement	1	Cellulose-4	92	Chrysotile	4	
142073-4-003 Block Pipe Insulation Building 4 - West Section Basement	1	Cellulose-30	70	None Detected	---	
142073-4-004 Block Pipe Insulation Building 4 - West Section Basement	1	Cellulose-30	70	None Detected	---	
142073-4-005 Block Pipe Insulation Building 4 - West Section Basement	1	Cellulose-30	70	None Detected	---	
142073-4-006 Blue Linoleum Building 4 - 1st Floor - Room 103 Bathroom	1	Cellulose-20	80	None Detected	---	
142073-4-007 Fire Brick Building 4 - 1st Floor - Room 101	1	---	100	None Detected	---	
142073-4-008 Fire Brick Building 4 - 1st Floor - Room 115	1	---	100	None Detected	---	



# Results of Polarized Light Microscopy

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17042-7529  
 Analyzed By: Leiby, Clinton

Sample Date: 11/6/2014  
 Sample Received Date: 11/11/2014 8:29:00 AM  
 Analysis Date: 11/13/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-4-009 Blue Linoleum Building 4 - 1st Floor - Rom 109	I	---	100	None Detected	---	
142073-4-010 Smooth Plaster Building 4 - 1st Floor - Throughout	I	---	100	None Detected	---	
142073-4-011 Smooth Plaster Building 4 - 1st Floor - Throughout	I	---	100	None Detected	---	
142073-4-012 Smooth Plaster Building 4 - 1st Floor - Throughout	I	---	100	None Detected	---	
142073-4-013 Smooth Plaster Building 4 - 1st Floor - Throughout	I	---	100	None Detected	---	
142073-4-014 White 2'x2' Ceiling Tile Building 4 - 1st Floor - Throughout	I	Cellulose-70	30	None Detected	---	
142073-4-015 Drywall/Joint Compound Building 4 - 1st Floor - Throughout	I	---	100	None Detected	---	
142073-4-016 Drywall/Joint Compound Building 4 - 2nd Floor - Throughout	I	---	100	None Detected	---	





# Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center  
Project #: 142073  
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Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA  
17042-7529  
Sample Date: 11/6/2014  
Sample Received Date: 11/11/2014 8:29:00 AM  
Analyzed By: Leiby, Clinton  
Analysis Date: 11/13/2014

Sample # Location / Material Description	Layer	Non - Asbestos		Asbestos		Comments
		Fibrous & Percent	Non-Fibrous %	Asbestos Type	Percent	
142073-4-017 Smooth Plaster Building 4 - 2nd Floor - Throughout	I	---	100	None Detected	---	
142073-4-018 Smooth Plaster Building 4 - 2nd Floor - Throughout	I	---	100	None Detected	---	
142073-4-019 Smooth Plaster Building 4 - 2nd Floor - Throughout	I	---	100	None Detected	---	
142073-4-020 Black Tar Material on Wall Building 4 - Attic	I	Cellulose-10	90	None Detected	---	
142073-4-021 Black Tar Material on Wall Building 4 - Attic	I	Cellulose-10	90	None Detected	---	



# Results of Polarized Light Microscopy

Client: VAMC - Lebanon VA Medical Center  
Project #: 142073  
Collected By: Criterion Laboratories, Inc.

Site Address: Lebanon VAMC, 1700 South Lincoln Avenue, Lebanon, PA 17042-7529  
Sample Date: 11/16/2014  
Sample Received Date: 11/11/2014 8:29:00 AM  
Analyzed By: Leiby, Clinton  
Analysis Date: 11/13/2014

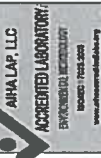
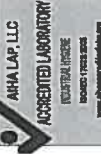
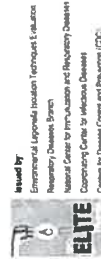
*James A. Wetz*

James A. Wetz, CIH, President

Criterion Laboratories, Inc. bears no responsibility for sample collection activities of non-Criterion personnel. This report relates only to the samples reported above, and when reproduced, must be in its entirety. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. None Detected = <1%. Unless otherwise noted: Blank results are not subtracted from any results; QC data associated with this sample set is within acceptable limits; Samples were received in good condition.

Note: If your project number ends with an "R", it is a revised report and replaces the original document in full. The above results represent the analysis of bulk sample(s) by Criterion Laboratories, Inc. according to EPA 40 CFR Part 763 Appendix E to Subpart E – Polarized Light Microscopy. The concentration of asbestos is determined by visual estimation.

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Criterion Laboratories, Inc. (ID 100424) is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the IHLAP; EMLAP and ELLAP accreditation programs for Polarized Light Microscopy (PLM), Phase Contrast Microscopy (PCM); Air-Direct Examination; and Airborne Dust, Paint, Settled Dust by Wipe and Soil for Fields of Testing as documented by the Scope of Accreditation Certificate and associated Scope. Additionally, Criterion Laboratories, Inc. is certified by the Center for Disease Control (CDC) Environmental Legionella Isolation Techniques Evaluation (ELITE) Program for the determination of Legionella in water by culture and holds accreditation from the National Voluntary Laboratory Accreditation Program (NVLAP ID 102046-0) for the determination of asbestos in bulk samples by Polarized Light Microscopy (PLM). This test report must not be used to claim product endorsement by NVLAP, NIST, AIHA or any agency of the US Government. Unless specifically listed as above, these test results are not covered under AIHA-LAP, LLC, 100424 accreditation.



PROJECT #: 142073

Client: VAMC - Lebanon VA Medical Center

Site Address: Lebanon VAMC-1700 South Lincoln Avenue, Lebanon, VA

Sample Date: 11-6-14

Comments: Concrete floors in basement

ES Name-#/Work Area:

## Building

Inspector: C. Gray + Z / R. Hunter

**Project Manager:** Steve Veria

Medical Center		PLM	TEM	Other
Analysis:		Method of Submittal		
Turnaround Time		Field	Walk-in	US Mail
24 Hrs	48 Hrs			
72 Hrs	Other 3-5 day	Fedex	Other	

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type (S)	%
4-001	2500	Interior Window Glaze ↓	West Section Basement	15 LF	N	N	Chrysotile	2
-002	2600			—	N	N	Chrysotile	4
-003	0900	Block Pipe Insulation ↓		25 LF	Y	2	ND	
-004	D900			—	Y	2	+	
-005	0900			—	Y	2		
N5	2500	Interior Window Glaze ↓	East Section Basement ↓	15 LF	N	N		
N5	0900	Block Pipe Insulation		20 LF	Y	N		

## LAB INFORMATION

Relinquished By (Print/Sign)	Date/Time
<i>C. Grant</i>	11-10-14

Received By (Print/Sign)	Date/Time
<i>Ali Nguyen</i>	11/11/14

Analyzed By (Print/Sign)	Date/Time
<i>C. Grant</i>	11/13/14





CRITERION LABORATORIES, INC.  
ASBESTOS BULK SAMPLE LOG

PROJECT #: 142073

Client: VAMC - Lebanon VA Medical Center  
Site Address: Lebanon VAMC - 1700 South Lincoln Avenue, Lebanon, PA

Analysis:	PLM	TEM	Other	FS Name-/Work Area: <b>Building 4</b>	Sample Date: 11-6-14
Turnaround Time	24 Hrs	48 Hrs	Other 3-5 day	Inspector: C. Gratz / R. Hunter	Comments: wood floors under carpet
	Field	Walk-in	US Mail	Project Manager: Steve Verna	

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type (S)	%
4-006	2200	Blue linoleum	1st Floor - Room 103 Backroom	56 SF	N	N	ND	
4-007	2201	Fire Brick	- Room 101 25 SF	25 SF	Y	N		
4-008	2201	↓	- Room 115	25 SF	Y	N		
4-009	2200	Blue linoleum	- Room 109	20 SF	N	N		
4-010	1900	Smooth Plaster	- Throughout 1st Fl.	2600 SF	Y	N		
4-011	1900	↓		-	Y	N		
4-012	1900	↓		-	Y	N		
4-013	1900	↓		-	Y	N		
4-014	1700	White 2x2 CT		950 SF	Y	N		
4-015	2100	Drywall / Joint Compound		3800 SF	Y	N		
NS	2200	Blue Linoleum	2nd Floor - Room 207	25 SF	N	N		
NS	2200	↓	Room 205	25 SF	N	N		
4-016	2100	Drywall / Joint Comp 2	Through out	2900 SF	Y	N		
4-017	1900	Smooth Plaster	↓	2800 SF	Y	N	ND	

LAB INFORMATION

Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
C. Gratz	11-10-14	[Signature]	11/11/14	C. Verna	11/13/14

CHAIN OF CUSTODY



PROJECT #: 142073

Client: VAME - Lebanon VA Medical Center

Site Address: Lebanon VAMC-1700 South Lincoln Avenue, Lebanon, PA

Analysis: PLM

# REM

her

### Turnaround Time

24 Hrs 48 Hrs

Other 3-5 day

## Method of Submittal

**Walk-in**  
**US Mail**

## Other

**ES Name-#/Work Area:**

# Building

Inspector: C. Graetz / R. Hunter

**Project Manager:** Steve Verna

Sample Date: 11-C-14

Comments:

Comments: fiberglass batt insulation in attics.

Sample #	HID #	Material Description (Including Color)	Sample Location	Qty (SF/LF)	Friable (Y/N)	Damaged (S/D/N)	For Laboratory Analysis	
							Asbestos Type (\$)	%
4-018	1900	Smooth Plaster	2nd Floor - Thru-roof	—	Y	N	Asbestos Type (\$)	%
-019	1900	↓	↓	—	Y	N		
-20	2502	Black Tar Mortar on Wall	Attics	600 SF	N	N		
-21	2502	↓	↓	—	N	N		
NS	1700	White Gypsum CT	2nd Floor - Thru-roof	1000 SF	Y	N		

## LAB INFORMATION

Relinquished By (Print/Sign)	Date/Time
C. Grant	11-10-14

Received By (Print/Sign)	Date/Time
[Signature]	11/11/14
[Signature]	

Analyzed By (Print/Sign)	Date/Time
C. Long	11/13/14

### **3.0 ASBESTOS INVENTORY**

**SECTION 3.0**  
**ASBESTOS INVENTORY**  
Lebanon VA Medical Center  
1700 South Lincoln Avenue, Lebanon, PA

Building #: 4						
	<u>Location</u>	<u>Material</u>	<u>Quantity</u>	<u>Friable</u>	<u>Condition</u>	
Basement	West Section	Interior Window Glaze	15 Linear Feet (LF)	N		N
	East Section	Interior Window Glaze	15 LF	N		N

- Condition: N = No Damage, D = Damage, S = Significant Damage
- Quantities are approximated and must be verified by abatement contractor.

## **4.0 SUSPECT MATERIALS TESTING NEGATIVE FOR ASBESTOS CONTENT**



#### **4.0 Suspect Materials Testing Negative for Asbestos Content**

The following materials were observed, sampled, submitted for analysis and found not to be asbestos-containing materials:

- ❖ Block Pipe Insulation
- ❖ Blue Linoleum
- ❖ Fire Brick
- ❖ Smooth Plaster
- ❖ White 2'x4' Ceiling Tile
- ❖ Drywall with Joint Compound
- ❖ Black Tar Material on Wall

## **5.0 SAMPLING METHODOLOGY**

## 5.0 Sampling Methodology

Bulk samples of suspected asbestos-containing material (ACM) were collected in accordance with guidelines set forth by the Environmental Protection Agency (EPA) and the National Institute for Occupational Safety and Health (NIOSH). The procedures for obtaining a bulk sample of suspected ACM are:

1. "Functional Spaces" in the Property were identified. A Functional Space is a spatially distinct unit within a building, which contains identifiable populations of building occupants (i.e. corridor, office space, mechanical area, etc.).
2. The total amount and location of each type of suspected ACM was tabulated.
3. The types of suspected ACM were then grouped as homogeneous materials. Each homogeneous material is defined as being uniform in texture and appearance. Based on these parameters, each homogeneous material was assigned a specific identification number as listed below.

### **Homogeneous Material I.D. #Reference List**

#### **Surfacing**

0100 to 0199 - Sprayed-On  
0200 to 0299 - Troweled-On  
0300 to 0399 - Blown-In  
0400 to 0499 - Other Surfacing  
1900 to 1999 - Plaster Walls and Ceilings

#### **Thermal**

0500 to 0599 - Lagging  
0600 to 0699 - Breeching  
0700 to 0799 - Duct Insulation  
0800 to 0899 - Tank Insulation  
0900 to 0999 - Block Pipe Insulation  
1000 to 1099 - Joints associated with Block Pipe Insulation  
1100 to 1199 - Corrugated/Air Cell Pipe Insulation  
1200 to 1299 - Joints associated with Corrugated Pipe Insulation  
1300 to 1399 - Compressed Pipe Insulation  
1400 to 1499 - Joints associated with Compressed Pipe Insulation  
1500 to 1599 - Joints associated with Fibrous Glass Pipe Insulation  
1600 to 1699 - Other Thermal

## 5.0 Sampling Methodology (Continued)

### Miscellaneous

1700 to 1799 - Lay-In Ceiling Tiles  
1800 to 1899 - Spline Ceiling Tiles  
2000 to 2099 - Floor Tiles  
2100 to 2199 - Drywall  
2200 to 2299 - Linoleum  
2300 to 2399 - Transite  
2400 to 2499 - Expansion Joints  
2500 to 2599 - Mastic Floor Tiles  
2600 to 2699 - Other Miscellaneous  
2700 to 2799 - Mastic Linoleum

4. A sampling scheme was devised based upon the amounts and locations of the different homogeneous materials in order to obtain representative samples.
5. Trained personnel using an appropriate sampling tool and a leak-tight, labeled sample container took the actual bulk samples. The sampling was conducted in areas of the building that are not readily visible to the building occupants. These areas included above lay-in ceiling tiles and beneath cabinets and desks, etc.
6. The personnel employed proper decontamination procedures to prevent contamination of the building environment and possible exposure to themselves and others.
7. Each location of suspicious asbestos-containing material (ACM) was documented on the Asbestos Bulk Sample Log. This documentation included the location of suspicious materials, type of material located and square footage of suspicious ACM. All bulk samples taken were documented on the Sample Log form and a Chain of Custody form. Each was completed for all samples taken by the inspector and handler.
8. The samples were then taken to the laboratory for analysis. The Certificates of Analysis and Chain of Custody relative to each sample are included in this report.
9. The inspector assessed the condition of the suspicious ACM using the eight EPA factors.

## **6.0 DRAWINGS WITH SAMPLE LOCATIONS**

142073

11-6-14

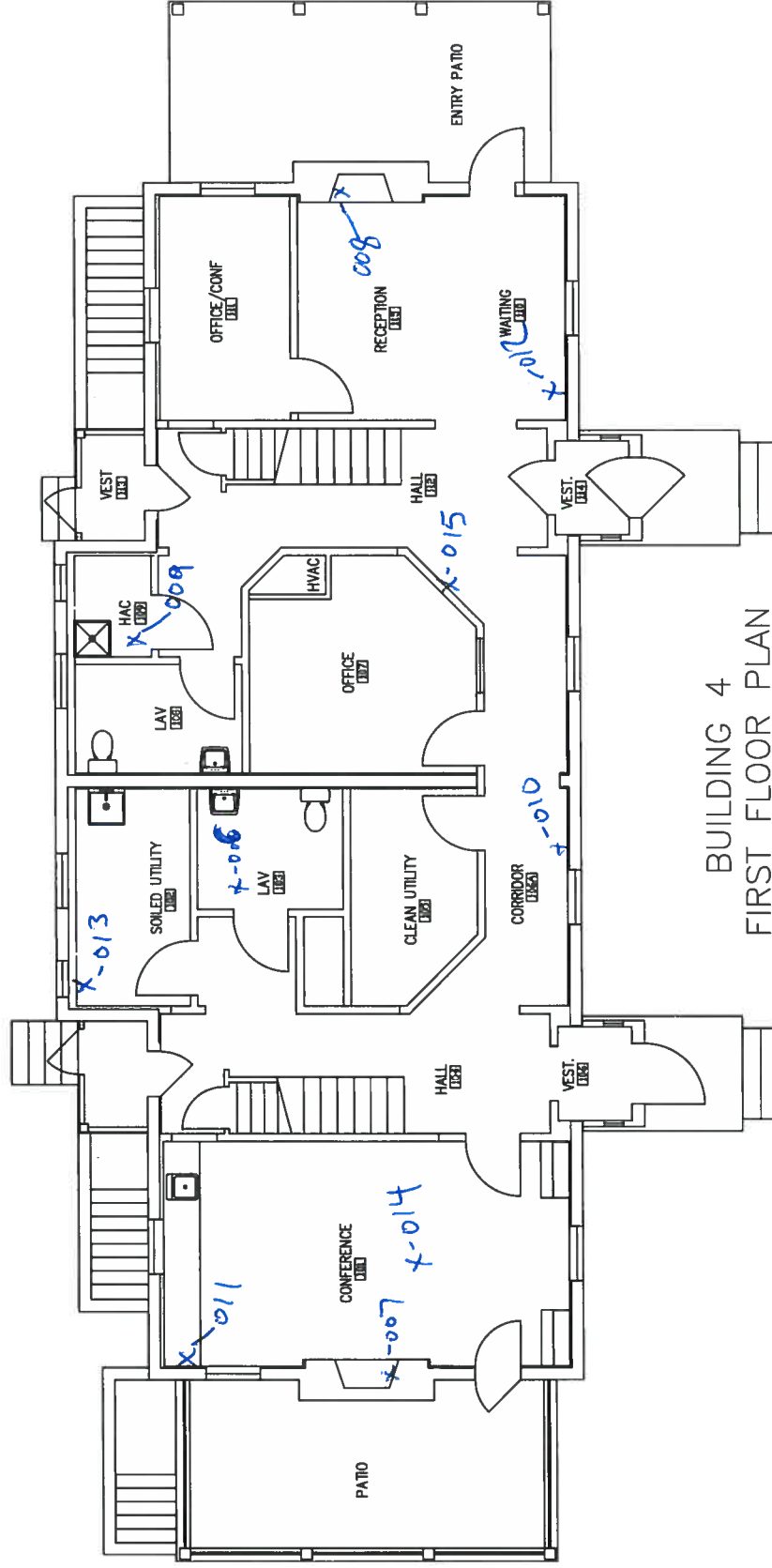


BUILDING 4  
BASEMENT FLOOR PLAN

SCALE: NONE

142073

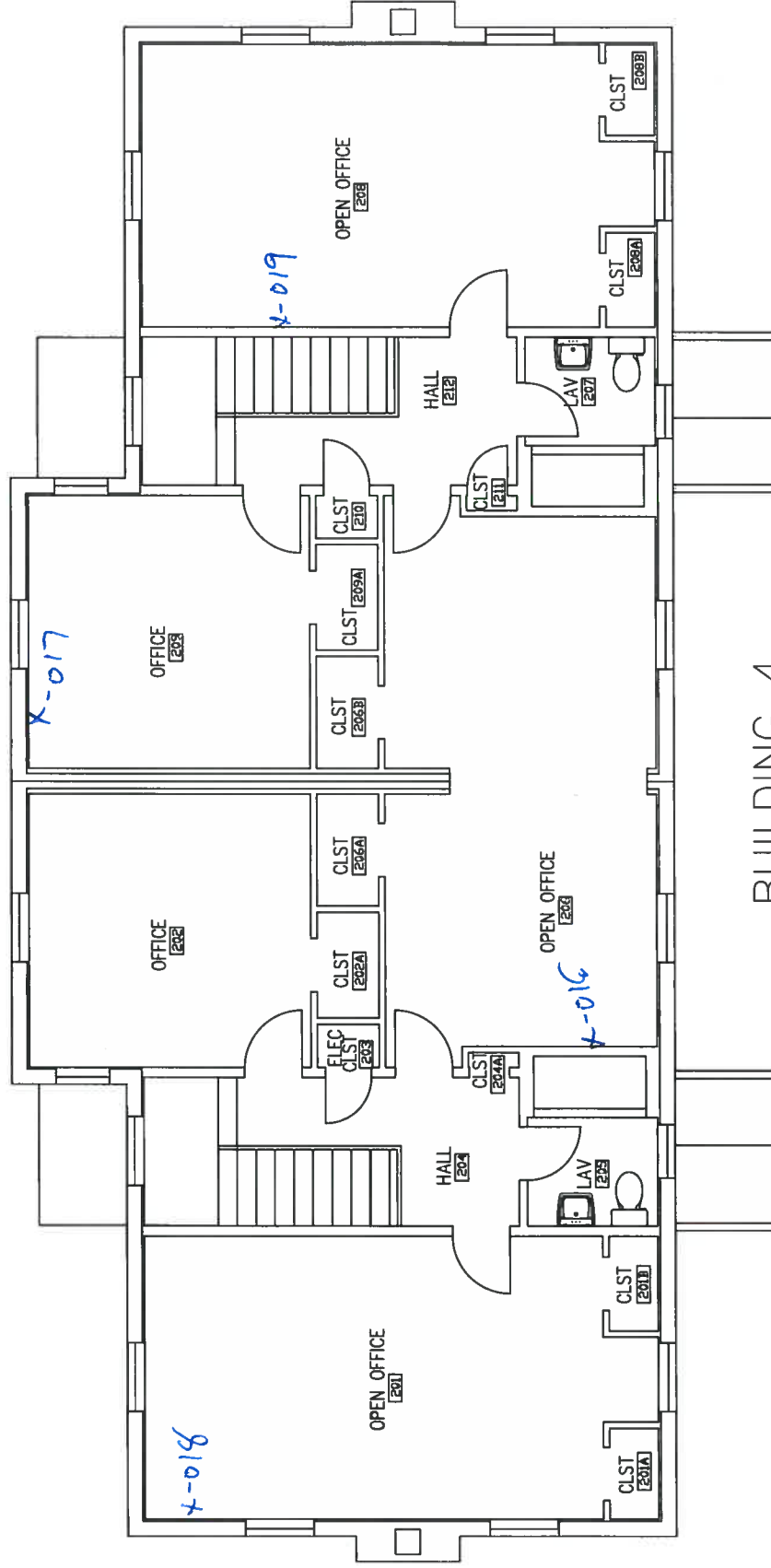
11-6-14



BUILDING 4  
FIRST FLOOR PLAN

SCALE: NONE

142073  
11-C-14

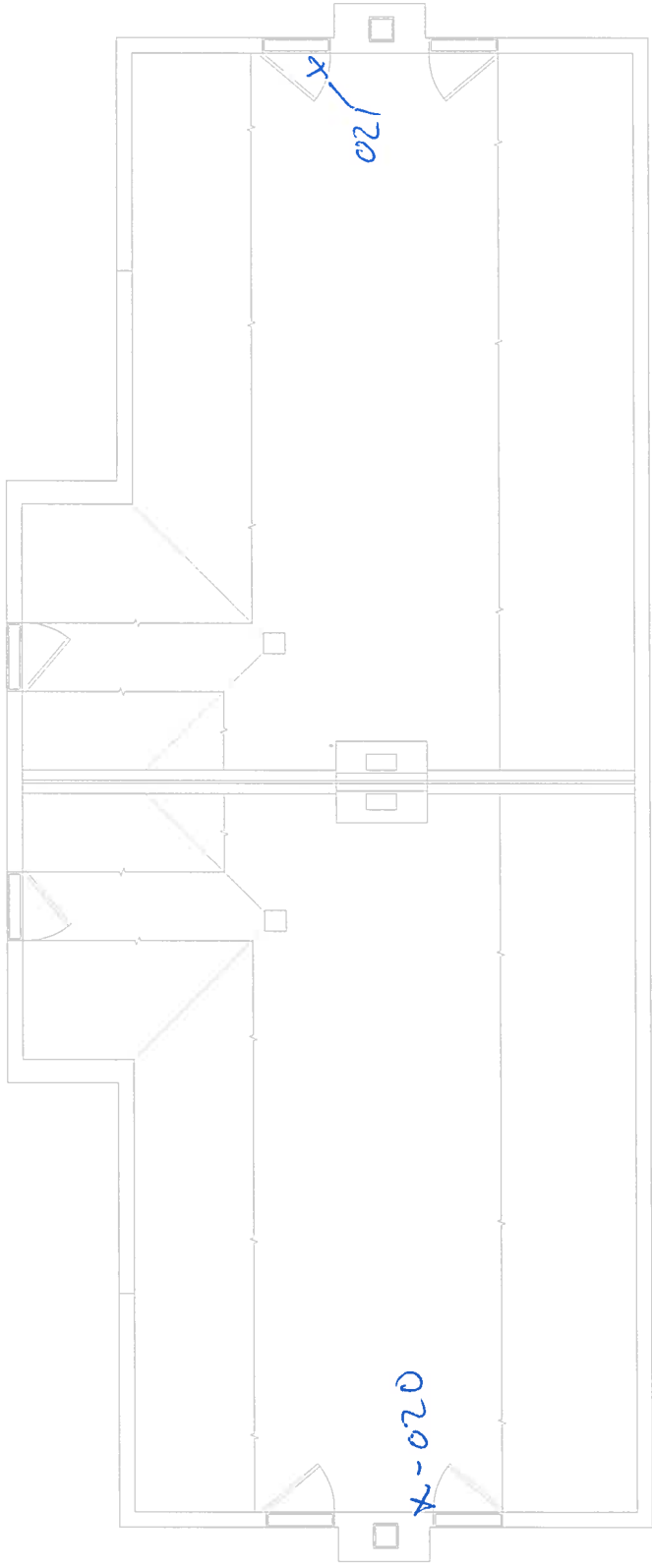


BUILDING 4  
SECOND FLOOR PLAN

SCALE: NONE



142073  
11-6-14



BUILDING 4  
ATTIC FLOOR PLAN

---

SCALE: NONE

## **7.0 PHOTOGRAPHS OF SAMPLED MATERIALS**

## 7.0 Photographs of Sampled Materials

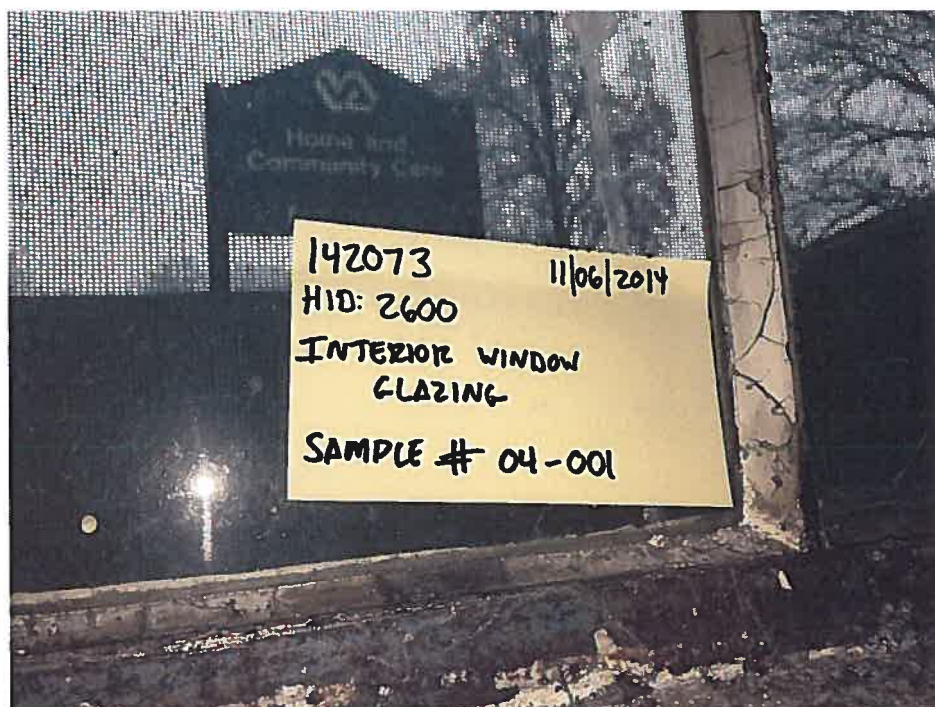


Figure 1: HID#2600 – Interior Window Glaze

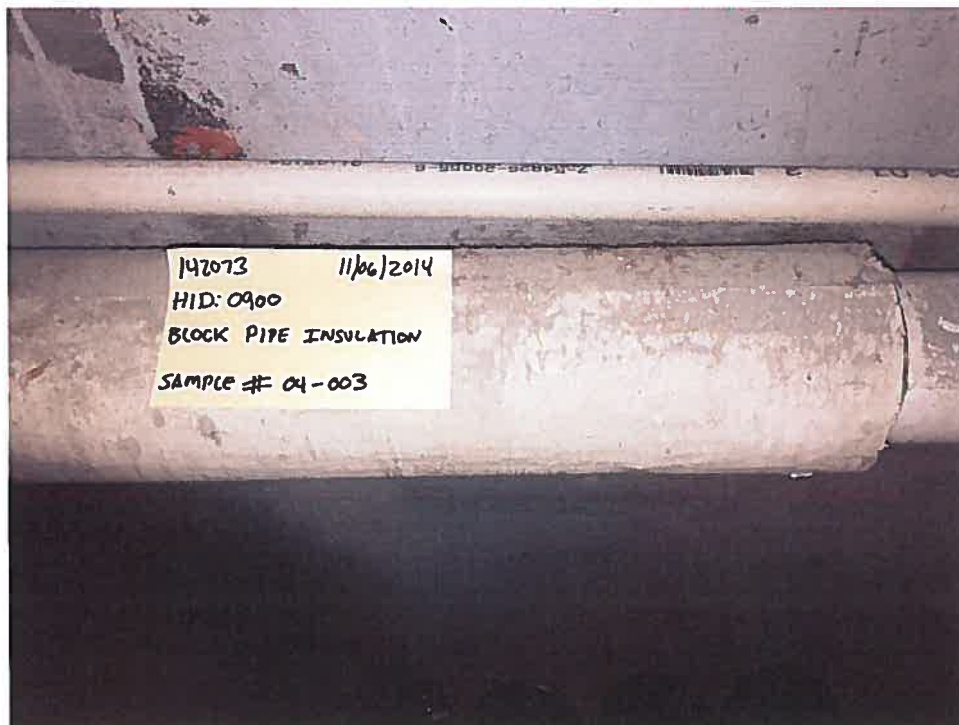


Figure 2: HID#0900 – Block Pipe Insulation

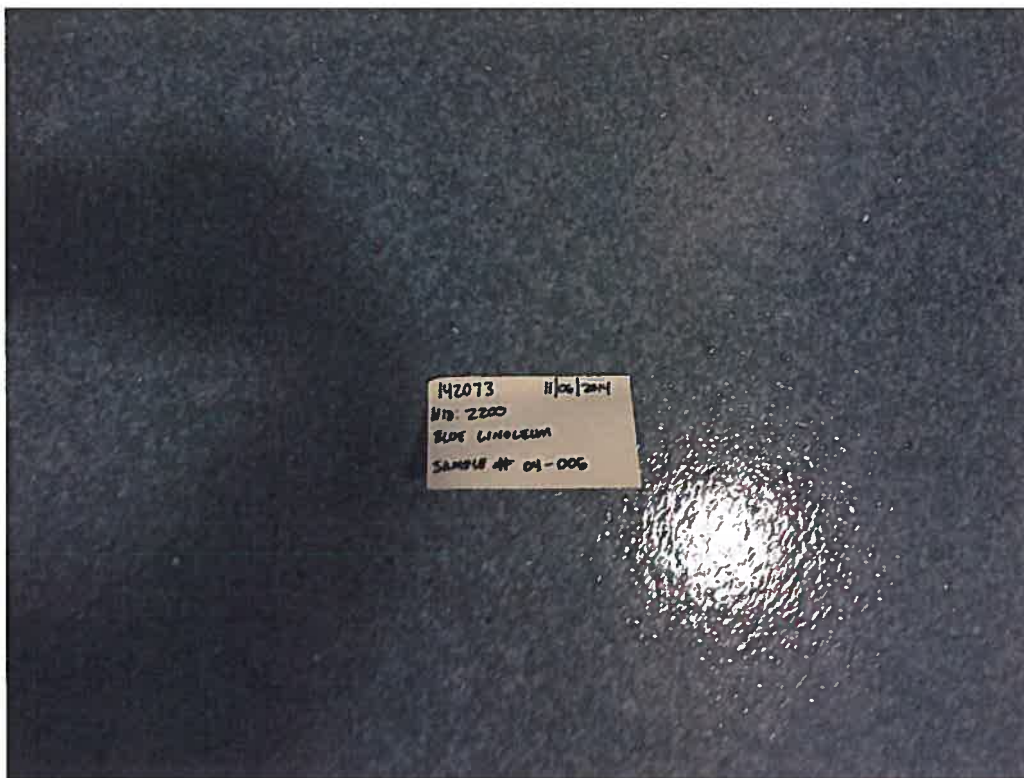


Figure 3: HID#2200 – Blue Linoleum

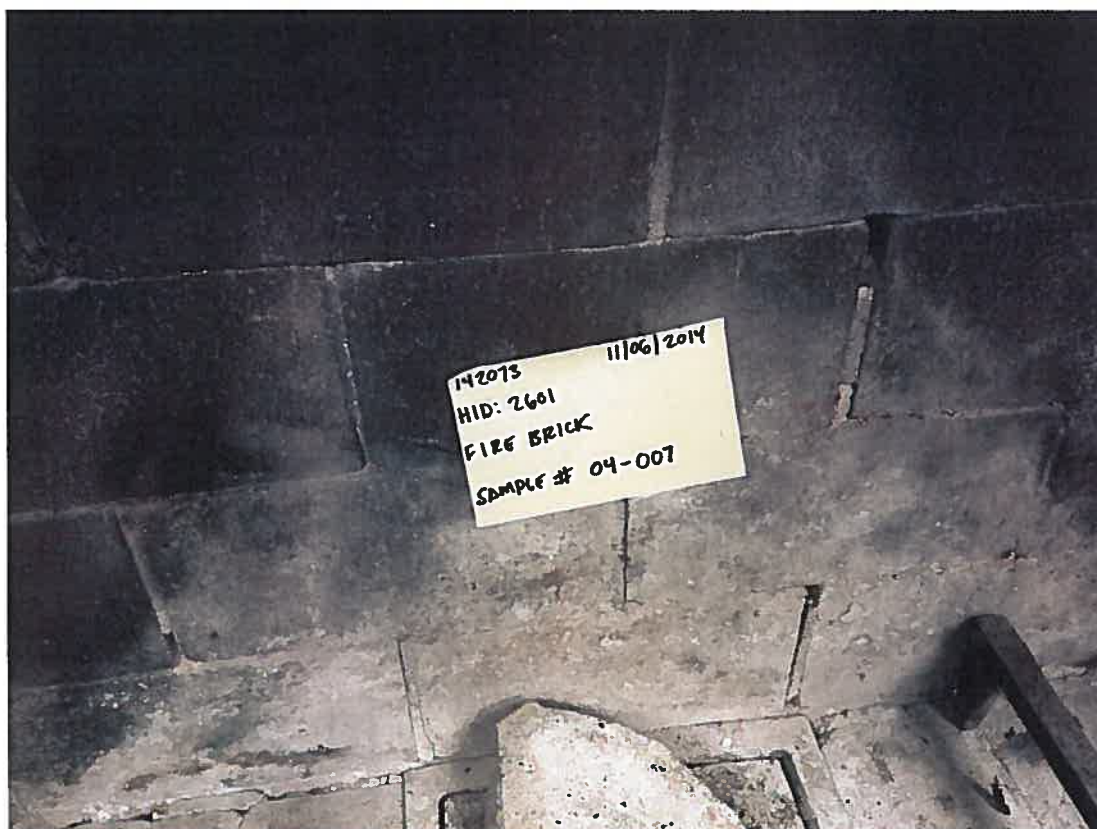


Figure 4: HID#2601 – Fire Brick



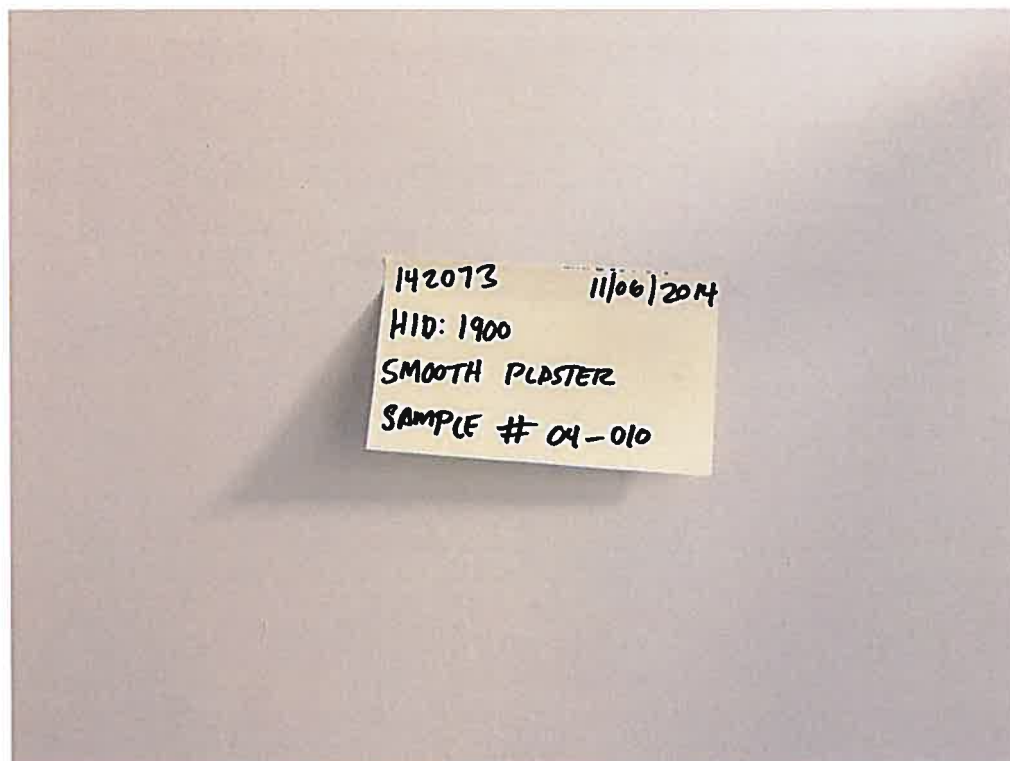


Figure 5: HID#1900 – Smooth Plaster

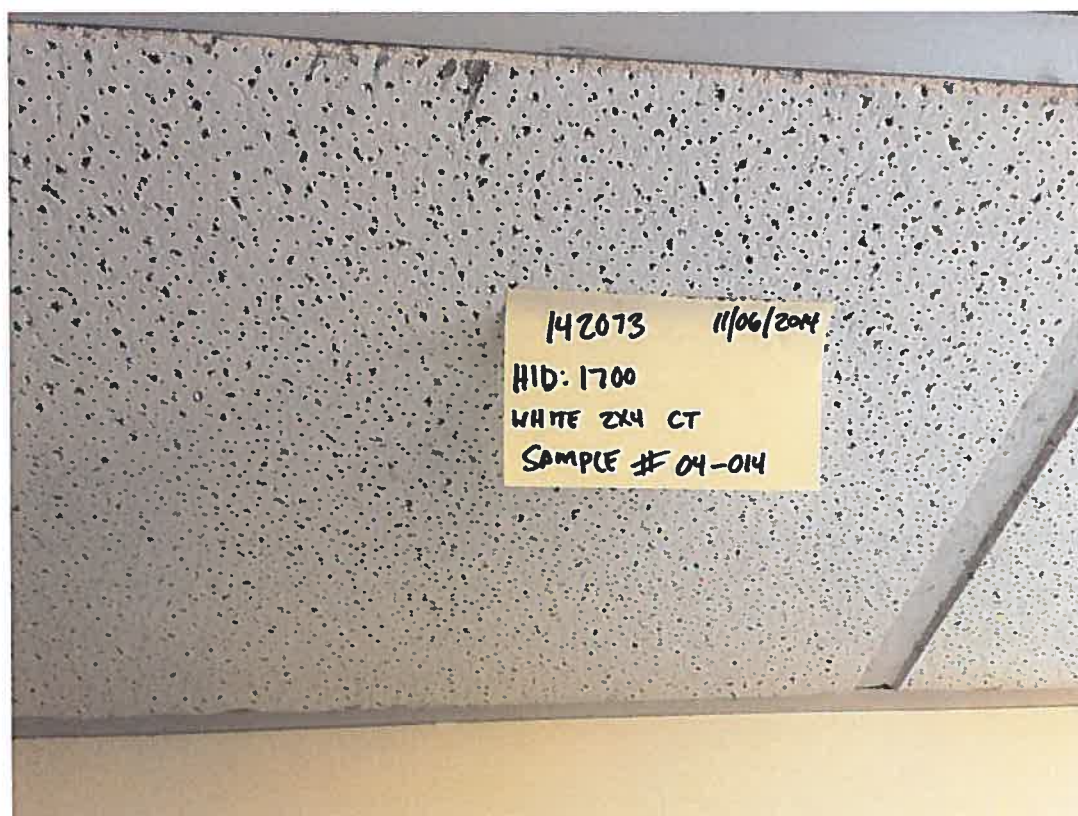


Figure 6: HID#1700 – White 2'x4' Lay-In Ceiling Tile

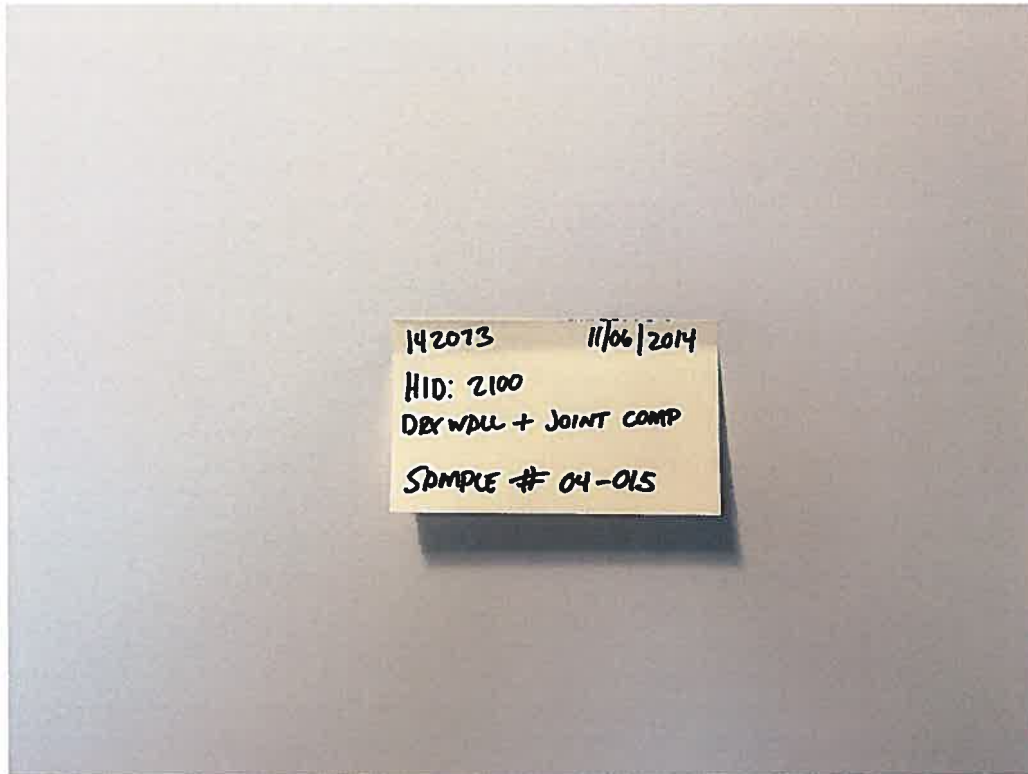


Figure 7: HID#2100 – Drywall with Joint Compound

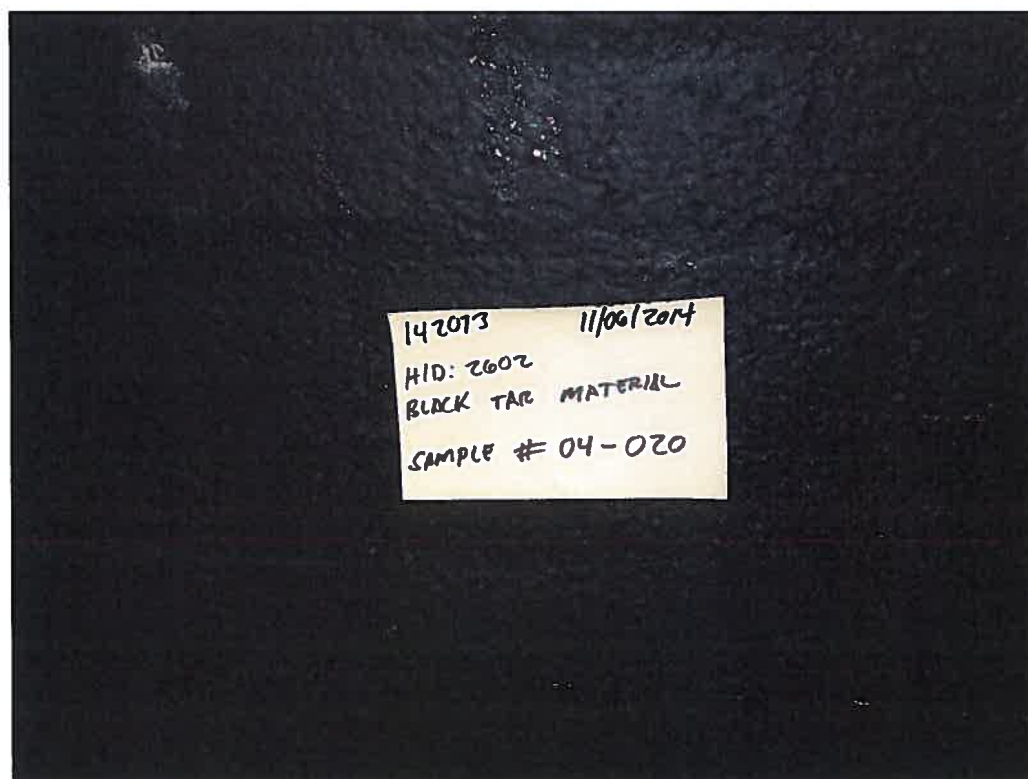


Figure 8: HID#2602 – Black Tar Material

## **8.0 CERTIFICATIONS**

**PENNSYLVANIA ASBESTOS CERTIFICATION**

**050322**



Sex: M Height: 5'11" Eyes: BRN Birth Date: 01/16/1987  
Expires: 01/07/2015 Issue Date: 01/16/2014  
Class: INSPECTOR  
RYAN HUNTER  
1433 S HICKS STREET  
PHILADELPHIA PA 19146

*R. Hunter*

1.0 0417 141 03

**If found, please contact:**  
**Department of Labor & Industry**  
**Certification, Accreditation & Licensing Division**  
**651 Boas Street, Room 1606**  
**Harrisburg, PA 17121.**  
**(717) 772-3396**





PENNSYLVANIA ASBESTOS CERTIFICATION

050059



*C. Gratz*

Sex: M Height: 5'00" Eyes: BLU Birth Date: 01/29/1988

Expires: 09/09/2015 Issue Date: 09/24/2014

Class:  
INSPECTOR

CRAIG M GRATZ  
7950 HENRY AVENUE  
APT. 338  
PHILADELPHIA PA 19128

1.0



0260 489 10

If found, please contact:

Department of Labor & Industry  
Certification, Accreditation & Licensing Division  
651 Boas Street, Room 1606  
Harrisburg, PA 17121.  
(717) 772-3396

