

Report of  
**Asbestos and Lead Based Paint Survey for**  
**Louis A. Johnson VA Medical Center**  
1 Med Center Drive  
Clarksburg, West Virginia 26301

Prepared for  
Harrell Design Group, P.C.  
8016 Tower Point Drive  
Charlotte, North Carolina 28227

Prepared by  
Professional Service Industries, Inc.  
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October 12, 2017  
PSI Project #08162999

October 5, 2017

Harrell Design Group, P.C.  
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Charlotte, North Carolina 28227

Attention: Mr. Daniel E. Bush, RA  
Senior Project Manager  
[dbush@harrelldg.com](mailto:dbush@harrelldg.com)

Subject: **Asbestos and Lead based Paint Survey**  
Louis A. Johnson VA Medical Center  
1 Med Center Drive  
Clarksburg, West Virginia 26301  
PSI Project # 08162999

Mr. Bush:

Professional Service Industries, Inc. (PSI) performed the Asbestos Survey that you requested. PSI provided its services in general accordance with our agreement dated July 7<sup>th</sup>, 2017. PSI transmits one copy with this letter.

PSI thanks you for choosing us as your consultant for this project. Please contact us at 412-922-4000 if you have any questions or we may be of further service.

Respectfully Submitted,

**PROFESSIONAL SERVICE INDUSTRIES, INC.**



Doug Finke  
Project Manager



Jeff Chapman  
Principal Consultant

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## 1 EXECUTIVE SUMMARY

Professional Service Industries (PSI), Inc., was retained by Harrell Design Group, P.C. to conduct a survey for asbestos-containing materials (ACM) and lead based paint (LBP) at the Louis A. Johnson VA Medical Center, located at 1 Med Center Drive, Clarksburg, West Virginia 26301.

The subject portion of the building is approximately 16,000 square ft., 2-story, with basement, brick, concrete masonry unit (CMU) structure that was constructed in 1950. The subject structure was occupied during the inspection. The hospital is a multiple story building whose square footage was not supplied.

The purpose of the investigation and sampling was to provide information regarding the presence, condition, and estimated quantity of accessible ACMs and LBPs located at the facility prior to its planned renovation. Roof Systems were not included in the scope of this survey.

### Asbestos Survey

The asbestos inspection and sampling was conducted on September 26, 2017. A total of 51 samples were collected from 22 suspect asbestos-containing homogeneous materials during the survey. The samples were analyzed by polarized light microscopy (PLM).

**The following 10 ACMs (>1% asbestos) were identified during this investigation:**

- **(HA-02) Black Mastic** associated with Non- ACM 12"x12" Beige Mottle Floor Tile - Room B 145
- **(HA-03) White Acoustical Ceiling Plaster - Men's Locker Room**
- **(HA-04) Brown Compressed Paper and Associated Fittings-** Rooms 1135 thru 1143, 1146, 1148, 1149, 1152, 1154, Hallway for rooms 1135 thru 1154, Basement Men's Locker Room, assumed to be above plaster ceilings in basement rooms/offices
- **(HA-05) Black Mastic** associated with Non- ACM 12" White with Gray specks Floor Tile  
1<sup>st</sup> Floor Rooms 1129, 1129A, 1129B, 1135 thru 1156, 1159, 1160, 1161, 1165, 1167, 1168, 1169, 1171  
Basement – Hallway, B140, B 144, B146, B154 B155, B162, B165
- **(HA-08) "Mag Block" Pipe Insulation and Associated Fittings** – Room 1146/1148
- **(HA-09) "Air Cell" Pipe Insulation and Associated Fittings** - Rooms 1135 thru 1143, 1146, 1148, 1149, 1152, 1154, Hallway for rooms 1135 thru 1154, Assumed to be above plaster ceilings in basement rooms/offices
- **(HA-10) Black Mastic on Filler over Black Mastic** – Under HA-05 in Room 1152
- **(HA-20) 9" x 9" Red Floor Tile with Black Mastic** – Room B 163 – 130 SF (subject area only)
- **(HA-21) Black Mastic** associated with Non- ACM 12" x 12" Beige Mottled Floor Tile – Room B 163
- **(HA-22) Black Floor Tile with Yellow Mastic over Tan Floor Tile with Black Mastic** – Doorway Between Rooms B 155 and B 154

In addition, the following materials were not sampled due to inaccessibility, safety concerns, or in order to avoid compromising their integrity, and are assumed to be ACM:

- None

The identified or assumed ACMs were observed to be in good condition at the time of the field investigation.

ACMs should be maintained in a good non-damaged condition through use of an Operations and Maintenance (O&M) program. Regulated ACM (RACM) must be properly removed by a licensed asbestos abatement contractor prior to renovations or demolition that would disturb the material. Federal, State and Local regulations and guidelines should be strictly adhered to when removing the ACM.

In many areas, EPA Category I & II non-friable ACMs in good condition do not need to be removed prior to demolition. However, if demolition practices will cause these materials to be cut, sanded, ground or abraded, or otherwise made friable, they should be treated as RACM and removed prior to demolition. If non-friable ACM's are not removed prior to demolition, the generated debris cannot be recycled, burned or used as clean-fill.

In addition, prior to any future maintenance, renovation or demolition activities, any assumed ACMs should be tested, and any areas noted as inaccessible during this project, or any concealed areas, such as behind walls, where suspect ACMs are discovered, will require a survey for ACM.

The following materials were point counted and determined to contain  $\leq 1\%$  asbestos; therefore, they are not considered to be ACM by EPA or OSHA.

- None

These materials are unregulated by EPA, and are considered unclassified asbestos work per OSHA. Some OSHA work control practices and prohibitions will still apply, with the extent depending on whether the worker's exposure to airborne asbestos exceeds the OSHA PEL during the renovation/demolition process.

### **Lead-containing Paint Survey**

The scope of work for the limited lead paint chip screening included the collection of 25 paint chip samples from accessible and exposed interior painted building components from the subject building. Paint chip samples were collected to provide the client with a general idea of the potential presence of lead-containing paint. The sampling was not intended to be an exhaustive survey of all paints in the building but a representation of the type of materials and components painted with lead-containing paint.

A total of 25 paint chip samples were collected from the accessible exposed painted/coated surfaces within the building.

2 of the paint chip samples collected from the interior of the building had a lead concentration equal to or greater than the Federal standard for lead-based paint (LBP) of 0.5% lead by weight. However, 17 of the 25 samples did contain detectable lead concentrations in the paint. The paint was observed to be in an intact.

- (L-01) White Paint on Plaster in Room B 145
- (L-04) Cream Paint on Plaster in Room 1152

- (L-07) Cream Paint on Metal Door of Room 1166
- (L-09) White Paint on Plaster in Hallway outside of Room 193
- (L-10) White Paint on Metal Door Jamb leading into Room 194
- (L-11) White Paint on Metal Door Jamb leading into Room B 145
- **(L-12) Brown Paint on Metal Door Jamb leading into Men's Locker Room**
- (L-13) Tan Paint on Plaster in Hallway outside Room B 163
- (L-14) Tan Paint on Plaster in Hallway outside Room B 162
- (L-16) White Paint on Plaster above Ceiling Tile in Room B 155
- **(L-17) Brown Paint on Metal Door Jamb leading into Room B 154**
- (L-18) White Paint on Plaster outside room B 154
- (L-19) Cream Paint on Metal Door Jamb leading to room B 153
- (L-20) Brown Paint on Metal Door Frame in Hallway B 147
- (L-21) White Paint on Plaster in hallway outside room B 147
- (L-22) White Paint on Plaster in Men's Restroom
- (L-24) Gray Paint on Concrete flooring in room B 138
- (L-25) White Paint on plaster in Room B 126

The Occupational Safety & Health Administration (OSHA) regulates worker's exposure to lead paint concentrations in **any** amount. Therefore, in order to satisfy OSHA requirements, worker protection and monitoring may be required for work activities that disturb paints that contain lead in any amount. In accordance with the OSHA Construction Standard for Lead (29 CFR 1926.62), it is the contractors' responsibility to protect their workers when an employee may be occupationally exposed to lead.

In addition, if painted materials are to be disposed off-site, they should be tested to determine if the lead in the paint is at a level considered to be a hazardous waste. This testing consists of a toxicity characteristic leaching procedure (TCLP) test.

This summary does not contain all the information presented in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

## **2 INTRODUCTION**

### **2.1 SCOPE OF SERVICES**

The scope of services for this project consisted of conducting an asbestos survey, including inspection, sampling and analysis of accessible and exposed interior areas at the subject Louis A. Johnson VA Medical Center facility, excluding the roof.

The subject areas of the facility for this investigation included the scope of work area.

The investigation included a review of client-provided records or documents (if available), visual inspection of the subject area(s), sample collection, polarized light microscopy (PLM) sample analysis, quantification of ACMs, and report preparation & review.

### **2.2 PURPOSE**

The purpose of this survey was to provide general information for the subject building regarding the presence, condition, and quantity of accessible and/or exposed friable and non-friable, building materials that contain asbestos, and location of lead-containing painted surfaces prior to the planned renovation of the building.

### **2.3 AUTHORIZATION**

Authorization to perform this work was given on September 8, 2017 by Lee E. Harrell, Jr., President/ CEO, Harrell Design Group, PC. The project was conducted in accordance with the scope, terms and conditions of PSI Proposal No.816-215219 dated July 6<sup>th</sup>, 2017.

### **2.4 LIMITATIONS**

#### **Asbestos**

This asbestos survey was intended to meet the requirements of the National Emissions Standard for Hazardous Air Pollutants (NESHAP) for Asbestos demolition or renovation. The survey included a thorough inspection of the subject areas of planned renovation.

Due to the occupancy of the structure, PSI was generally not able to conduct 'destructive' sampling such as inside wall cavities or above plaster ceilings: therefore, the inspection was limited to areas that were accessible and exposed.

Roof Systems were not included in the scope of this survey.

Destructive sampling, such as behind finished surfaces (plaster/drywall walls, above hard ceilings, etc.), inside mechanical chases, behind mirrored walls, under carpet or tiled floors, etc., was not generally conducted to assess inaccessible or concealed materials.

Inaccessible is defined as areas of the building that were locked, or where admittance was not permitted. It also includes areas/materials that could not be tested (sampled) without destruction of the structure or a portion of the structure, and areas/materials that could not be safely reached by the inspector or inspection team. In the event that access to a portion of the building was not obtained (which otherwise would have been tested), such limitations specifically are identified in the Findings Section of this report.

PSI did not sample any system which presented a hazard to the inspection team such as energized electrical systems or within confined spaces.

PSI did not collect samples from building elements where the intended use would be compromised by testing, such as fire rated doors, vapor barriers, mirror mastics, etc.

### **Lead Paint**

The inspection for lead-containing paints was not intended to be an exhaustive survey of all paints in the building but a representation of the type of materials and components painted with lead-containing paint. The scope was intended to comply with the strict requirements of a HUD lead-based paint inspection. A total of 8 paint chip samples were collected from painted/coated surfaces in the building. The scope included the interior and exterior of the building.

## **2.5 WARRANTY**

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect ACM for the building structure. Professional Service Industries (PSI), Inc., warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the client with information regarding the presence of accessible and/or exposed suspect ACM existing at the time of the inspection. Test results are valid only for the material(s) tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. This inspection covered only those areas that were exposed and/or physically accessible to the Inspector. The study is also limited to the information available from the client at the time it was conducted.

As directed by the client, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminants in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

No other warranties are implied or expressed.



### 3 GENERAL BUILDING AND SURVEY INFORMATION

#### 3.1 BUILDING INFORMATION

<u>Subject Property:</u>	Louis A. Johnson VA Medical Center 1 Med Center Drive Clarksburg, West Virginia 26301
<u>Facility Construction Date:</u>	1950
<u>Previous Renovation Dates:</u>	Unknown
<u>Number of Floors:</u>	6-stories And Basement
<u>Subject Area Square Footage:</u>	16,000 Sq. Ft.
<u>Construction Type</u>	Concrete masonry unit, Brick (CMU) & glass
<u>Building Occupant(s):</u>	Staff and Patients
<u>Additional Information:</u>	The wing of the subject area including rooms 1135 through 1154 were under construction at the time of the survey. The ceiling tile was removed and pipe exposed.

#### 3.2 INSPECTION INFORMATION

<u>Name of PSI Inspector(s):</u>	Doug Finke #AI006919
<u>Date(s) of Inspection:</u>	9/26/2017
<u>Escort:</u>	Matt Hoke

## 4 METHODOLOGY

Inspection and sampling procedures were performed in general accordance with the guidelines published by the Environmental Protection Agency (EPA). The inspection and survey described below was performed by an EPA accredited and State of West Virginia licensed inspector.

### 4.1 RECORD DOCUMENT REVIEW

Prior to conducting the visual inspection, PSI reviewed documents provided by the client, including: drawings, floor plans, historical data, maintenance records, previous survey reports, laboratory reports, etc. for information regarding construction history and building materials.

The following documents were reviewed as a part of this Asbestos Survey:

- Scope of work area map

This data was used to focus the walk through and scope of work to be followed over the course of our visual inspection and sampling. Information obtained from the references is included in the findings section of the report.

### 4.2 ASBESTOS VISUAL INSPECTION PROCEDURES

An initial individual building structure walkthrough was conducted to determine the presence of suspect asbestos-containing materials that were accessible and/or exposed. Exterior areas, including the roof systems, were not included in the scope of this investigation.

The inspection and sampling was limited to those areas and materials that were accessible and did not involve destruction of walls, other building elements, physical barriers, or the structural integrity of the item being tested.

Materials which were similar in color, texture, general appearance and which appear to have been installed at the same time were grouped in Homogeneous Sampling Areas. Such materials are termed "homogeneous materials" by the EPA. During this walkthrough, the approximate locations of these homogeneous materials were also noted.

The inspector evaluated the overall condition of the material and determined whether the materials were friable or non-friable by touching the material, where practical. A friable material is defined as any material able to be crushed, crumbled, pulverized or reduced to a powder by hand press when dry.

Each material was further assessed for overall condition. Conditions were rated as good, damaged or significantly damaged. PSI's inspector also identified the EPA classification of the material: Regulated ACM (RACM), Category I non-friable ACM, and Category II non-friable ACM, based on the materials current condition. PSI's inspector provided estimated quantities of the materials identified as ACM, based only on materials that were accessible and exposed.

### 4.3 ASBESTOS SAMPLING PROCEDURES

Following the walkthrough, the Inspector collected samples of suspect materials.

EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous sampling area. While an effort was made to collect samples randomly, samples were taken preferentially from areas already damaged or areas which were the least visible to minimize disturbance of the material.

Each sample location was sprayed with amended water and was kept wet during the entire sampling process. Samples were collected by coring through the material from the surface down to the base substrate. All layers of the material were extracted and placed into a sample container for transport to the laboratory. Sample containers were sealed and labeled with a unique sample identification number. Where appropriate, sampled materials were sealed with an encapsulant or covered with tape after sampling. PSI is not responsible for restoring the sampled areas to their presampled condition.

In accordance with the agreement between PSI and the client, roofing materials were not sampled as part of this survey.

### 4.4 ASBESTOS ANALYSIS PROCEDURES

All samples were analyzed at Professional Service Industries, Inc. located at 850 Poplar Street, Pittsburgh, Pennsylvania 15220. The PSI Pittsburgh Asbestos Laboratory is a National Voluntary Laboratory Accreditation Program (NVLAP) Accredited (#101350-0) and an American Industrial Hygiene Association (AIHA) Accredited (#8222) Laboratory. A copy of the Laboratory's Accreditation Certificate is included in Appendix E.

The samples were analyzed for asbestos on a "positive-stop" basis by polarized light microscopy (PLM) in accordance with the "EPA Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116 July 1993). Analysis was performed by using bulk samples for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, actinolite/tremolite), and fibrous non-asbestos constituents (mineral wool, fiberglass, cellulose, etc.). Asbestos was identified by refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope.

The EPA method allows samples which are visually determined to have 10% or less asbestos to be quantified using a Point Count procedure. An ocular reticule (cross hair or point array) is used to visually superimpose a point or points on the microscope field of view. A total of 400 points superimposed on either asbestos fibers or nonasbestos matrix material must be counted over at least eight different preparations of representative subsamples. If an asbestos fiber and matrix particle overlap so that a point is superimposed on their visual intersection, a point is scored for

both categories. Point counting provides a quantification of the area percent asbestos. No samples were point counted for this survey.

## 4.5 LEAD-BASED PAINT SCREENING METHODOLOGY

A visual inspection for lead containing paints was performed throughout the subject portion of the facility. The scope included the interior and exterior of the building. Structural members or hidden/inaccessible areas were not included and all painted materials were not tested for lead concentrations in the paint. The scope was not intended to comply with the strict requirements of a HUD lead-based paint inspection. Federal efforts to regulate LBP began with the enactment of the Lead-Based Paint Poison Prevention Act (LBPPPA) in 1971. In 1973, the Consumer Product Safety Commission (CPSC) defined lead-based paint as paint having lead content equal to or greater than 0.5 percent by weight in a dry film of newly applied paint. In 1978, the CPSC lowered the allowable lead levels in new paint to 0.06%. Samples are defined as being positive for LBP if they contain more than 0.5% lead by weight for laboratory analysis of paint-chip samples or 1.0 mg/cm<sup>2</sup> by area for XRF testing.

OSHA does not define the amount of lead in paint to a regulatory requirement; rather the activities or task define when the regulation is in effect. Both Federal and state standards use the term “trigger task” activities. In the work place, employers must make certain assumptions of the exposure levels and comply with the regulations based on the level of disturbance rather than the lead level. The industry has interpreted this to mean that any detectable amount of lead is regulated. For example, employees who perform trigger tasks (such as manual demolition) are required to receive employer provided training, air monitoring, protective clothing, respirators, and hand washing facilities. In addition, there are standard work practices required such as the use of wet methods and HEPA vacuums.

PSI collected 25 paint chip samples from the interior of the facility. The condition of the paint was also assessed and was rated as damaged or intact. The samples were submitted to PSI's American Industrial Hygiene Association (AIHA), Environmental Lead Laboratory Accreditation Program (ELLAP) accredited industrial hygiene laboratory in Pittsburgh, PA (ID# 100373) for analysis of the lead concentration via flame Atomic Absorption using the PSI WI-503-815 method modified from EPA SW846 Method 7420.

## 5 FINDINGS

### 5.1 ASBESTOS RESULTS

A total of 51 samples were collected from 22 suspect homogenous materials during the asbestos survey. In addition, no suspect homogeneous materials were observed during the asbestos survey but were not sampled, and are assumed to contain asbestos until sampling and laboratory analysis can be conducted.

The "Report of Bulk Sample Analysis for Asbestos", the "Asbestos Bulk Sample Log", Sample Location diagram and Photographs are included in the Appendices. The Tables on the following pages list the suspect asbestos-containing materials observed throughout the building. Table 1 lists the materials that were sampled, along with the results of the inspection and laboratory analysis. Table 2 lists the suspect materials that were not sampled and are assumed to be ACM.

Both tables give a description of the materials, their general locations, condition, friability, EPA NESHAP Category, and estimated quantity, and an estimated cost estimate for abatement.

#### Inaccessible Areas

The following areas were inaccessible during the survey and therefore were not included in the scope of the survey.

- Room B 160
- Room B 149

These areas will require an asbestos inspection prior to any demolition or renovation activities within the areas.

#### Non-Suspect Materials

The following materials were observed but are considered 'non-suspect' ACM due to their composition (fiberglass, rubber, etc.) and were not sampled.

- Fiberglass pipe insulation, ceramic floor tiles

#### Regulatory Guidelines

**ACM Definition** - The EPA & OSHA consider a material to be asbestos-containing if at least one sample from the homogeneous area shows asbestos in an amount greater than 1%.

**Point Count Quantification** - If a material is found to contain 10% or less asbestos via visual estimation, it can be treated as non asbestos-containing per EPA Regulations, if verified to contain 1% or less asbestos by the Point Count Quantification Procedure. If not point counted, a sample in which asbestos was visually detected and estimated (including trace to  $\leq 1\%$ ) must be assumed to be greater than 1% and treated as ACM. Please refer to the laboratory analyses

for a more detailed description of the microscopic analysis of individual samples. No samples were quantified by the Point Count Procedure in this Asbestos Survey.

**EPA NESHAP Category** - EPA classifies ACM into several categories. A **regulated asbestos-containing material (RACM)** as defined by the Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP) is any (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations. A **Category I Non-friable ACM** includes packings, gaskets, resilient floor covering, and asphalt roofing products which contain more than one percent asbestos. A **Category II Non-friable ACM** includes any material, except for a Category I non-friable ACM, which contains more than one-percent asbestos and cannot be reduced to a powder by hand pressure when dry.

**The Occupational Safety and Health Administration (OSHA)** requires all suspect materials to be analyzed by layer, even materials such as drywall/joint compound, which may sometimes be composited per the EPA. If any layer contains asbestos in a concentration >1%, the material is considered an ACM.

OSHA has a classification system (I thru IV) for ACM depending on the type of material and the disturbance. Briefly, **'Class I'** work is defined as activities involving the removal of ACM or presumed ACM (PACM) that is thermal system insulation (TSI) and surfacing materials. **'Class II'** activities involve removal of ACM/PACM other than TSI or surfacing material. **'Class III'** work includes repair and maintenance operations which are likely to disturb ACM/PACM, and **'Class IV'** work includes maintenance and custodial activities during which employees contact but do not disturb ACM/PACM.

Materials where asbestos is detected, but where point counting is conducted and determined that the concentration is  $\leq 1\%$  asbestos, are not considered to be ACM by OSHA. However, these materials are considered unclassified asbestos work per OSHA. Some OSHA work control practices and prohibitions will still apply, with the extent depending on whether the worker's exposure to airborne asbestos exceeds the OSHA permissible exposure limit (PEL).

Additional details of the OSHA asbestos regulations related to the construction industry can be found in 29 CFR part 1926.1101.

## Quantification

Quantification of suspect asbestos-containing materials was conducted using visual estimation by a licensed asbestos inspector. This visual estimation was performed in accordance with generally accepted practices in the asbestos industry based on materials that were accessible and exposed. These values are sufficiently accurate for the purpose of documenting the presence of asbestos within its space for the purpose of identifying abatement control conditions or for general policy considerations. Actual quantities may differ between visually estimated values and physical measurements. If a licensed asbestos abatement contractor is engaged to remove asbestos containing materials, the abatement contractor is responsible for verifying reported quantities of ACM.

## **Abatement Cost Estimation**

PSI used recognized standard engineering principles in developing the unit cost budgetary estimate for removal of the listed asbestos-containing materials (ACM) contained in this facility. This is an estimate for removal only, intended for general policy decisions regarding program development and planning. The figures are as of the date of the report and cover only the removal contractor's fees. Not included are items such as indirect or hidden costs, such as employee relocation during the project, lost revenues, replacement costs, project design or monitoring, etc. These items are considered during the development of an engineering cost estimate, which is beyond the scope of this study. Other variables included in an engineering cost estimate are the project schedule and phasing, size of the project, and other factors that can affect project cost.

**TABLE 1 – SUSPECT ACMs - SAMPLED**

**Louis A. Johnson VA Medical Center Subject Area**

**Survey Date(s): 9/26/2017**

<b>MATERIAL # &amp; (# SAMP)</b>	<b>MATERIAL DESCRIPTION</b>	<b>MATERIAL LOCATION</b>	<b>F/NF<sup>1</sup></b>	<b>COND.<sup>2</sup></b>	<b>% ACM &amp; TYPE<sup>3</sup></b>	<b>EPA NESHAP CAT<sup>4</sup></b>	<b>EST. QTY.</b>	<b>EST. REMOVAL COST (\$)</b>
01 (7)	Plaster (Skim and Base Coat)	Throughout subject Area	NF	Good	Skim-NAD Base-NAD	NA	NA	NA
02 (2)	12" Beige mottle floor tile with black mastic	Room B 145	NF	Good	FT-NAD BM-3% Ch	Cat I NF	360 SF	\$900
03 (3)	White Acoustical Ceiling Plaster	Men's Locker Room B 156	F	Good	2% Ch	RACM	450 SF	\$4,500
04 (3)	Brown Compressed Paper around Pipes	Throughout Subject Area	F	Good	7%Ch	RACM	460 LF	\$4,600
05 (3)	12" White Floor Tile with gray specs with black mastic	Throughout Subject Area	NF	Good	FT-NAD BM-2% Ch	Cat I NF	10,600 SF	\$26,500
06 (2)	4" Cove Base with yellow mastic	Hallway outside 1136 Room 1138	NF	Good	CB-NAD YM-NAD	NA	NA	NA
07 (3)	Drywall and Joint compound	Throughout Subject Area	NF	Good	DW-NAD JC-NAD	NA	NA	NA
08 (1)	White Pipe insulation (Mag Block)	Outside rooms 1146 and 1148	F	Good	3% Ch 10% Am	RACM	15 LF	\$300
09 (1)	Gray pipe insulation (Air cell)	Throughout Subject Area	F	Good	50% Ch	RACM	Incl w/HA-04	Incl w/HA-04
10 (2)	Black Mastic on Filler over Black Mastic	Room 1152	NF	Good	BM-NAD F-NAD BM-5% Ch	Cat I NF	Incl w/HA-05	Incl w/HA-05

<sup>1</sup> F = Friable; NF = Non-friable

<sup>2</sup> Cond. = Condition Of Materials Either good, dam = damaged., sig. dam. = significant damage

<sup>3</sup> NAD = No Asbestos Detected, Ch = Chrysotile, Am = Amosite, PT = Point Count Analysis

<sup>4</sup> NESHAP Category - Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACBM, Cat II NF= Category II Non-Friable ACBM.



**TABLE 1 – SUSPECT ACMs - SAMPLED**

**Louis A. Johnson VA Medical Center Subject Area**

**Survey Date(s): 9/26/2017**

<b>MATERIAL # &amp; (# SAMP)</b>	<b>MATERIAL DESCRIPTION</b>	<b>MATERIAL LOCATION</b>	<b>F/NF<sup>1</sup></b>	<b>COND.<sup>2</sup></b>	<b>% ACM &amp; TYPE<sup>3</sup></b>	<b>EPA NESHAP CAT<sup>4</sup></b>	<b>EST. QTY.</b>	<b>EST. REMOVAL COST (\$)</b>
11 (2)	2"x2" Ceiling Tile	Room 1136	F	Good	CT-NAD	NA	NA	NA
12 (2)	1.5'x1.5' Light Brown and Tan Flooring with Yellow and Black Mastic	Hallway outside 1134 and waiting room area.	NF	Good	FT-NAD YM-NAD BM-NAD	NA	NA	NA
13 (2)	White Covering over Fiberglass Fitting	Hallway outside room 11137	NF	Good	WC-NAD	NA	NA	NA
14 (2)	2"x2" Worm Hole Ceiling Tile	Hallway outside room 1167	F	Good	CT-NAD	NA	NA	NA
15 (2)	12"x12" Gray with Rainbow Specs with Yellow Mastic	Rooms 1158 and 1162	NF	Good	FT-NAD YM-NAD	NA	NA	NA
16 (2)	12"x12" Tan Floor Tile with Yellow Mastic	Rooms 194 and 193	NF	Good	FT-NAD YM-NAD	NA	NA	NA
17 (2)	Red Fire Caulking	Above ceiling outside B 156 and Room B128	NF	Good	FC-NAD	NA	NA	NA
18 (2)	12"x12" Light Pink Floor Tile with Tan Specs with Yellow Mastic	Hallway outside B 165	NF	Good	FT-NAD YM-NAD	NA	NA	NA
19 (2)	12"x12" Gray Floor Tile with Tan Mastic	Room B 155	NF	Good	FT-NAD TM-NAD	NA	NA	NA
<b>20 (2)</b>	<b>9"x9" Red Floor Tile with Black Mastic</b>	<b>Room B 163</b>	<b>NF</b>	<b>Good</b>	<b>FT-7%Ch BM-4%Ch</b>	<b>Cat I NF</b>	<b>130 SF</b>	<b>\$500</b>

<sup>1</sup> F = Friable; NF = Non-friable

<sup>2</sup> Cond. = Condition Of Materials Either good, dam = damaged., sig. dam. = significant damage

<sup>3</sup> NAD = No Asbestos Detected, Ch = Chrysotile, Am = Amosite, PT = Point Count Analysis

<sup>4</sup> NESHAP Category - Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACBM, Cat II NF= Category II Non-Friable ACBM.

**TABLE 1 – SUSPECT ACMs - SAMPLED**

**Louis A. Johnson VA Medical Center Subject Area**

**Survey Date(s): 9/26/2017**

<b>MATERIAL # &amp; (# SAMP)</b>	<b>MATERIAL DESCRIPTION</b>	<b>MATERIAL LOCATION</b>	<b>F/NF<sup>1</sup></b>	<b>COND.<sup>2</sup></b>	<b>% ACM &amp; TYPE<sup>3</sup></b>	<b>EPA NESHAP CAT<sup>4</sup></b>	<b>EST. QTY.</b>	<b>EST. REMOVAL COST (\$)</b>
<b>21 (2)</b>	12"x12" Beige Mottle Floor Tile with <b>Black and Yellow Mastic</b>	<b>Room B 163</b>	<b>NF</b>	<b>Good</b>	FT-NAD BM/YM- 4%Ch	Cat I NF	HA-20	NA
<b>22 (2)</b>	Black Floor Tile with Yellow Mastic over <b>Tan Floor Tile with Black Mastic</b>	<b>Doorway between Rooms B 155 and B 154</b>	<b>NF</b>	<b>Good</b>	BFT-NAD YM-NAD TFT-5% Ch BM-3% Ch	Cat I NF	5 SF	\$500

<sup>1</sup> F = Friable; NF = Non-friable

<sup>2</sup> Cond. = Condition Of Materials Either good, dam = damaged., sig. dam. = significant damage

<sup>3</sup> NAD = No Asbestos Detected, Ch = Chrysotile, Am = Amosite, PT = Point Count Analysis

<sup>4</sup> NESHAP Category - Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACBM, Cat II NF= Category II Non-Friable ACBM.

## 5.2 LIMITED LBP SCREENING RESULTS

The only current Regulatory Standard for the definition of a Lead-Based Paint (LBP) is the “Federal Action Level” from the U.S. Department of Housing & Urban Development (HUD), “Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing”, 2012 Revision. The “Federal Action Level” for a paint chip is 0.5% by weight.

The Occupational Safety & Health Administration (OSHA) regulates workers exposure to lead paint concentrations in **any** amount. Therefore, in order to satisfy OSHA requirements, worker protection and monitoring may be required for work activities that disturb paints that contain lead in any amount. In accordance with the OSHA Construction Standard for Lead (29 CFR 1926.62), it is the contractors’ responsibility to protect their workers when an employee may be occupationally exposed to lead. In addition, contractors may be required to have the proper training in accordance with the EPA’s RRP Rule. This rule applies to all target housing (pre-1978) and child occupied facilities.

A total of 25 paint chip samples were collected from the interior areas of the subject area of the building located at 1 Med Center Drive. 17 of the samples contained measurable concentrations of lead paint, and two of the samples are considered to be LBP per EPA and HUD standards. All of the other painted surfaces not tested in the subject building should be assumed to contain lead.

A copy of the results of the paint chip sample analysis is included in **Appendix C**.

Sample #	Component	Substrate	Color	Location	% Pb by Weight
L-01	Wall	Plaster	White	B 143	0.15
L-02	Door Jamb	Metal	Tan	Room 1136	<0.014
L-03	Wall	Drywall	White	Hall outside 1136	<0.029
L-04	Wall	Plaster	Cream	Room 1152	0.014
L-05	Door Jamb	Metal	Cream	Room 1141	<0.027
L-06	Wall	Drywall	White	Room 1152	<0.020
L-07	Door	Metal	Cream	Room 1166	0.046
L-08	Wall	Plaster	Tan	Room 1129	<0.029
L-09	Wall	Plaster	White	Hall outside 193	0.25
L-10	Door Jamb	Metal	White	Room 194	0.062
L-11	Door Jamb	Metal	White	B 143	<0.029
<b>L-12</b>	<b>Door Jamb</b>	<b>Metal</b>	<b>Brown</b>	<b>B 156 Male Locker Room</b>	<b>1.9</b>
L-13	Wall	Plaster	Tan	Hall outside B163	0.27
L-14	Wall	Plaster	Tan	Hall outside B 162	0.20
L-15	Door Jamb	Metal	Brown	Hall outside B140 and B139	<0.017
L-16	Wall	Plaster	White	B 155 Above ceiling	0.33
<b>L-17</b>	<b>Door Jamb</b>	<b>Metal</b>	<b>Brown</b>	<b>B 154</b>	<b>1.5</b>
L-18	Wall	Plaster	White	Hall outside B 154	0.35
L-19	Door Jamb	Metal	Cream	B 153	0.25
L-20	Door Frame	Metal	Brown	Outside B 147	0.29

Sample #	Component	Substrate	Color	Location	% Pb by Weight
L-21	Wall	Plaster	White	Hall outside B 147	0.31
L-22	Wall	Plaster	White	Men's Bathroom	0.27
L-23	Block Wall	Concrete	White	B 138	<0.021
L-24	Floor	Concrete	Gray	B 128	0.35
L-25	Wall	Plaster	White	B 126	0.077

EPA & HUD – 0.5% Pb by weight  
OSHA – any amount of lead  
NA – Not Available

## **6 CONCLUSIONS & RECOMMENDATIONS**

### **6.1 CONCLUSIONS**

**Asbestos-containing materials (ACMs) were found in the Louis A. Johnson VA Medical Center.**

**Assumed ACMs were not found in Louis A. Johnson VA Medical Center.**

**Materials with low concentrations of asbestos (trace to 1%) were not identified in the subject Area facility.**

The identified or assumed ACMs were observed to be in good condition at the time of the field investigation.

Lead based and lead containing paint were found in Louis A Johnson VA Medical Center.

### **6.2 RECOMMENDATIONS**

ACMs should be maintained in a good non-damaged condition and periodically inspected through use of an Operations and Maintenance (O&M) program. Damaged or significantly damaged ACMs should be repaired, encapsulated, enclosed or removed.

Regulated ACM (RACM) must be properly removed by a licensed asbestos abatement contractor prior to renovations or demolition that would disturb the material. Federal, State and Local regulations and guidelines should be strictly adhered to when removing the ACM.

Category I & II Non-Friable asbestos containing material may often be left in place during demolition if not made friable by cutting, grinding or sanding. If left in place, these materials cannot be recycled, burned or used as clean fill.

Materials verified to contain low concentrations of asbestos (trace to 1%) are not considered ACM, and are not regulated by the EPA; however, some OSHA regulations will still apply based on the employee's airborne exposure.

In addition, prior to any future maintenance, renovation or demolition activities, any assumed ACMs should be tested. Any areas that were noted as being inaccessible during this project, or any concealed areas, such as behind walls, where suspect ACMs are discovered, will require a survey for ACM.

Prior to the initiation of a project that would involve abatement, a detailed engineering cost estimate and project design is recommended. The engineering cost estimate will incorporate such variables as scheduling and phasing of the project, the size and extent of the project, seasonal factors, operational factors and other restrictions, respiratory protection, alternate abatement options, and type of replacement material. An engineering cost estimate would also include professional fees, such as for project design and management, and other expenses, such as on-site air monitoring and construction supervision.

## **Lead Paint**

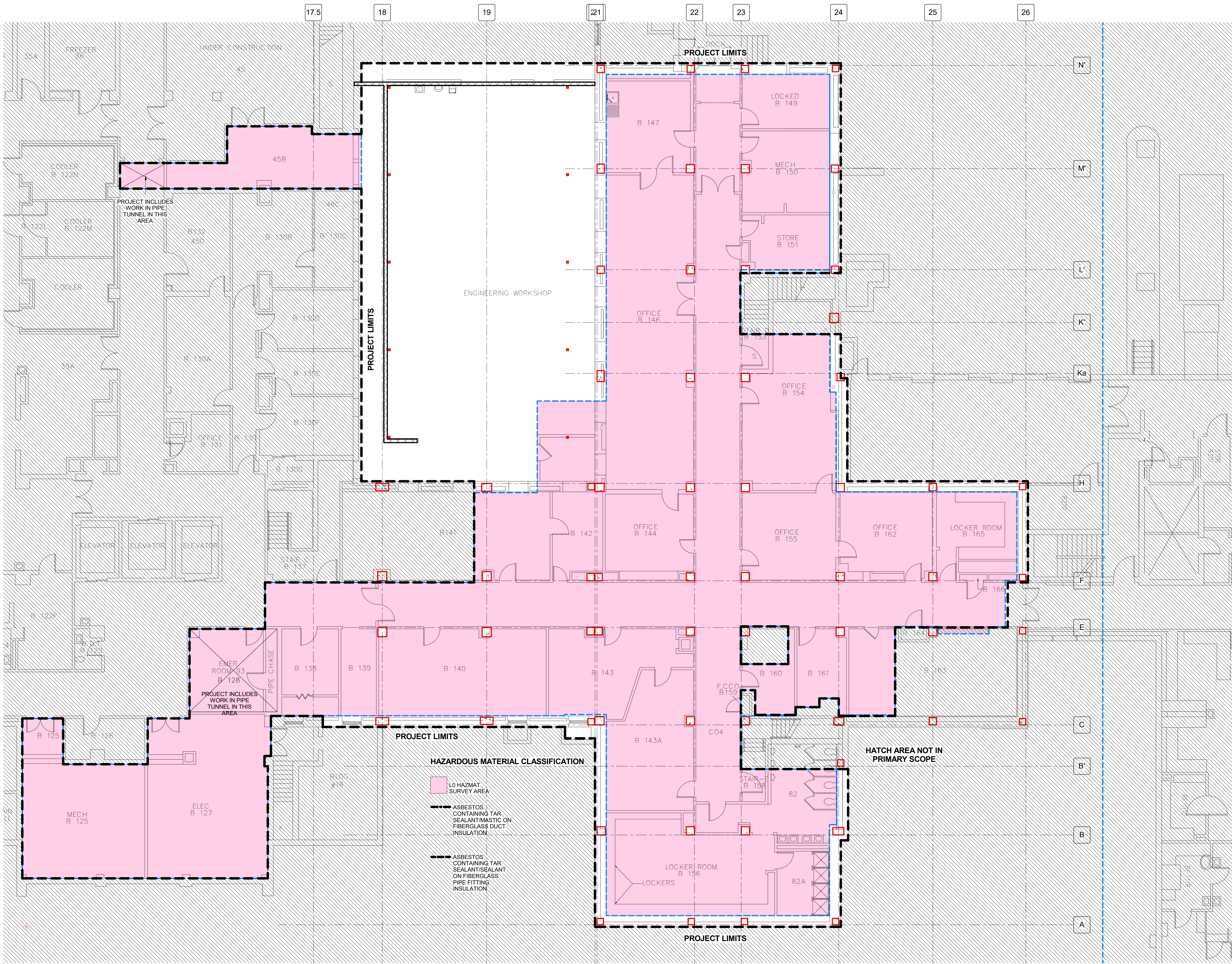
Lead containing paints are assumed to be located on all metal support beams and columns. OSHA regulates workers exposure to lead paint concentrations in any amount; therefore, in order to satisfy OSHA requirements, worker protection and monitoring may be required for work activities that disturb paints that contain lead in any amount. In accordance with the OSHA Construction Standard for Lead (29 CFR 1926.62), it is the contractors' responsibility to protect their workers when an employee may be occupationally exposed to lead.

In addition, if painted materials are to be disposed off-site, they should be tested to determine if the lead in the paint is at a level considered to be a hazardous waste. This testing consists of a toxicity characteristic leaching procedure (TCLP) test.

## **APPENDIX A – SCOPE OF WORK MAP**



three eighths inch = one foot  
one eighth inch = one foot  
one quarter inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
one and one half inches = one foot  
three inches = one foot



## GENERAL SHEET NOTES

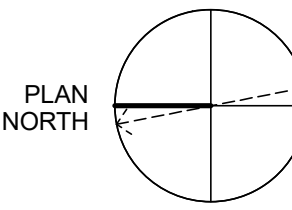
- REFER TO SHEET GH111 FOR CODE SUMMARY AND EGRESS CALCULATIONS.

## SHEET KEYNOTES

## PARTITION GRAPHICS

- PARTITION AND OPENING PHASING
- EXISTING ELEMENT TO REMAIN
  - EXISTING ELEMENT TO BE DEMOLISHED
  - TEMPORARY 1-HOUR RATED ELEMENT TO BE CONSTRUCTED AND DEMOLISHED IN SAME PHASE
- PARTITION RATING
- NO RATING
  - SMOKE RESISTIVE PARTITION - NON RATED
  - 1 HOUR FIRE BARRIER
  - 1 HOUR FIRE/SMOKE BARRIER
  - 2 HOUR FIRE BARRIER
  - 2 HOUR FIRE/ SMOKE BARRIER

## NORTH LEGEND



## D1 BASEMENT HAZARDOUS MATERIALS ABATEMENT PLAN

1/8" = 1'-0"



Revisions:		
No.	Description	Date

CONSULTANTS:	

Seal:	

ARCHITECT / ENGINEERS:	
8016 TOWER POINT DRIVE CHARLOTTE, NC 28227	
P 704.814.1320 F 704.321.0833	
formerly HARRELL, SALTRICK & HOPPER, PC	
HGP PROJECT: 16015	

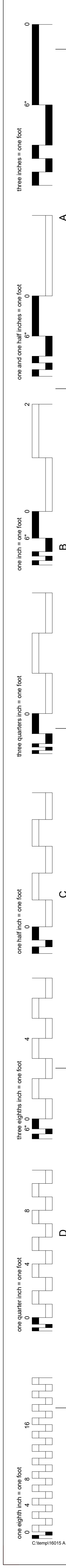
Drawing Title:	BASEMENT FLOOR HAZARDOUS ABATEMENT PLAN
Project Phase:	CONSTRUCTION DOCUMENTS /35%
FULLY SPRINKLERED	

Project Title:	MODERNIZE SPECIALTY CLINICS
Location:	LOUIS A. JOHNSON VA MEDICAL CENTER
Date:	05/26/2017
Checked:	Checker
Drawn:	Author

Project Number:	540-14-203
Building Number:	1
Drawing Number:	HA100




Office of Construction and Facilities Management	
VA	U.S. Department of Veterans Affairs







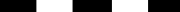



1. REFER TO SHEET GI111 FOR CODE SUMMARY AND EGRESS CALCULATIONS.

## PARTITION AND OPENING PHASING

	EXISTING ELEMENT TO REMAIN
	EXISTING ELEMENT TO BE DEMOLISHED
	TEMPORARY 1-HOUR RATED ELEMENT TO BE CONSTRUCTED AND DEMOLISHED IN SAME PHASE

### PARTITION RATING

	NO RATING
	SMOKE RESISTIVE PARTITION - NON RATED
	1 HOUR FIRE BARRIER
	1 HOUR FIRE/SMOKE BARRIER
	2 HOUR FIRE BARRIER
	2 HOUR FIRE/ SMOKE BARRIER

PLAN NORTH

<b>CONSULTANTS:</b>



**HARRELL**  
• DESIGN GROUP, PC •  
formerly HARRELL, SALTRICK & HOPPER, PC





**APPENDIX B – REPORT OF BULK SAMPLE ANALYSIS FOR  
ASBESTOS AND LEAD**

## REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

**TESTED FOR:** PSI, Inc.  
850 Poplar Street  
Pittsburgh, PA 15220  
Attn: Madeleine Hoopes

**Project ID:** 08162999  
Harrell Design  
VA Clarksburg

**Date Received:** 9/27/2017

**Date Completed:** 9/28/2017

**Date Reported:** 9/28/2017

**Analyst:** Alexander Edmonds

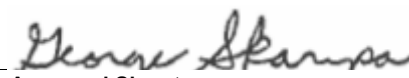
**Work Order:** 1709623

**Page:** 1 of 5

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
01-01	001A	(1) White, Plaster, Homogeneous (2) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
01-02	002A	(1) White, Plaster, Homogeneous (2) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
01-03	003A	(1) White, Plaster, Homogeneous (2) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
01-04	004A	(1) White, Plaster, Homogeneous (2) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
01-05	005A	(1) White, Plaster, Homogeneous (2) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
01-06	006A	(1) White, Plaster, Homogeneous (2) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
01-07	007A	(1) White, Plaster, Homogeneous (2) Gray, Plaster, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
02-01	008A	(1) Beige, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED 3% Chrysotile	None Reported None Reported
02-02	009A	(1) Beige, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED 3% Chrysotile	None Reported None Reported
03-01	010A	(1) White, Plaster, Homogeneous	2% Chrysotile	5% Cellulose Fiber

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA 600/M4-82-020). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

Respectfully submitted,  
PSI, Inc.

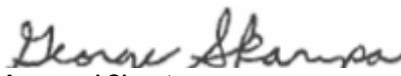
  
Approved Signatory  
George Skarupa

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
03-02	011A	Sample Not Tested		
03-03	012A	Sample Not Tested		
04-01	013A	(1) Brown, Paper, Homogeneous	7% Chrysotile	90% Cellulose Fiber
04-02	014A	Sample Not Tested		
04-03	015A	Sample Not Tested		
05-01	016A	(1) White, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
05-02	017A	(1) White, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
05-03	018A	(1) White, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	2% Chrysotile NO ASBESTOS DETECTED	None Reported None Reported
06-01	019A	(1) Black, Cove Base, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
06-02	020A	(1) Black, Cove Base, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
07-01	021A	(1) White, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	15% Cellulose Fiber None Reported
07-02	022A	(1) White, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	15% Cellulose Fiber None Reported
07-03	023A	(1) White, Drywall, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	15% Cellulose Fiber None Reported
08-01	024A	(1) White, Other, Homogeneous	3% Chrysotile 10% Amosite	None Reported

*Magblock*

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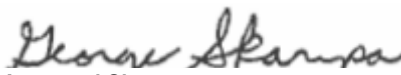
Respectfully submitted,  
PSI, Inc.

  
Approved Signatory  
George Skarupa

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
09-01	025A	(1) Gray, Insulation, Homogeneous	50% Chrysotile	20% Cellulose Fiber
10-01	026A	(1) Black, Mastic, Homogeneous (2) Gray, Other, Homogeneous <i>Filler</i>	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
		(3) Black, Mastic, Homogeneous	5% Chrysotile	None Reported
10-02	027A	(1) Black, Mastic, Homogeneous (2) Gray, Other, Homogeneous <i>Filler</i>	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported 2% Cellulose Fiber
		(3) Black, Mastic, Homogeneous	5% Chrysotile	None Reported
11-01	028A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	40% Cellulose Fiber 50% Fibrous Glass
11-02	029A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	40% Cellulose Fiber 50% Fibrous Glass
12-01	030A	(1) Tan, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous <i>Inseparable Yellow and Black Mastic</i>	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
12-02	031A	(1) Tan, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous <i>Inseparable Yellow and Black Mastic</i>	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
13-01	032A	(1) White, Other, Homogeneous <i>Covering</i>	NO ASBESTOS DETECTED	40% Fibrous Glass
13-02	033A	(1) White, Other, Homogeneous <i>Covering</i>	NO ASBESTOS DETECTED	40% Fibrous Glass
14-01	034A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	40% Fibrous Glass 50% Cellulose Fiber

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA 600/M4-82-020). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

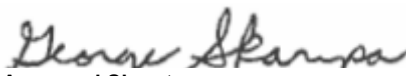
Respectfully submitted,  
PSI, Inc.

  
Approved Signatory  
George Skarupa

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
14-02	035A	(1) White, Ceiling Tile, Homogeneous	NO ASBESTOS DETECTED	40% Fibrous Glass 50% Cellulose Fiber
15-01	036A	(1) Gray, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
15-02	037A	(1) Gray, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
16-01	038A	(1) Tan, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
16-02	039A	(1) Tan, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
17-01	040A	(1) Red, Caulking, Homogeneous	NO ASBESTOS DETECTED	3% Fibrous Glass
17-02	041A	(1) Red, Caulking, Homogeneous	NO ASBESTOS DETECTED	3% Fibrous Glass
18-01	042A	(1) Pink, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous (3) White, Other, Homogeneous <i>Filler</i>	NO ASBESTOS DETECTED NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported None Reported
18-02	043A	(1) Pink, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
19-01	044A	(1) Gray, Floor Tile, Homogeneous (2) Tan, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported
19-02	045A	(1) Gray, Floor Tile, Homogeneous (2) Tan, Mastic, Homogeneous (3) White, Other, Homogeneous <i>Filler</i>	NO ASBESTOS DETECTED NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported None Reported
20-01	046A	(1) Red, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous	7% <b>Chrysotile</b> 4% <b>Chrysotile</b>	None Reported None Reported
20-02	047A	Sample Not Tested		

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Respectfully submitted,  
PSI, Inc.

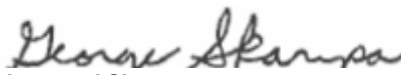
  
Approved Signatory  
George Skarupa

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
21-01	048A	(1) Beige, Floor Tile, Homogeneous	<b>NO ASBESTOS DETECTED</b>	None Reported
		(2) Black, Mastic, Homogeneous <i>Inseparable Black and Yellow Mastic</i>	2% <b>Chrysotile</b>	None Reported
21-02	049A	(1) Beige, Floor Tile, Homogeneous	<b>NO ASBESTOS DETECTED</b>	None Reported
		(2) Black, Mastic, Homogeneous <i>Inseparable Black and Yellow Mastic</i>	4% <b>Chrysotile</b>	None Reported
22-01	050A	(1) Black, Floor Tile, Homogeneous	<b>NO ASBESTOS DETECTED</b>	None Reported
		(2) Yellow, Mastic, Homogeneous <i>No Tan Floor Tile</i>	<b>NO ASBESTOS DETECTED</b>	None Reported
		(3) Brown, Other, Homogeneous <i>Filler</i>	<b>NO ASBESTOS DETECTED</b>	None Reported
22-02	051A	(1) Black, Floor Tile, Homogeneous	<b>NO ASBESTOS DETECTED</b>	None Reported
		(2) Yellow, Mastic, Homogeneous	<b>NO ASBESTOS DETECTED</b>	None Reported
		(3) Tan, Floor Tile, Homogeneous	5% <b>Chrysotile</b>	None Reported
		(4) Black, Mastic, Homogeneous	3% <b>Chrysotile</b>	None Reported

Report Notes: (PT) Point Count Results

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA 600/M4-82-020). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

Respectfully submitted,  
PSI, Inc.

  
Approved Signatory  
George Skarupa

**Analytical Report**  
**Analysis of Paint for Lead Determination**

**TESTED FOR:** PSI, Inc.  
850 Poplar Street  
Pittsburgh, PA 15220  
Attn: Madeleine Hoopes

**Project ID:** 08162999  
Harrell Design-VA Clarksburg  
1 Med Center Drive

**Date Received:** 9/27/2017      **Date Analyzed:** 9/27/2017      **Date of Issue:** 9/28/2017

**Analyst:** Jessica Mols

**Work Order:** 1709621

**Page:** 1 of 2

Lab Sample #	Client Sample #	Reporting Limit	
		% Lead by Weight	% Lead by Weight
001A	L-01	0.15	0.0079
002A	L-02	< 0.014	0.014
003A	L-03	< 0.029	0.029
004A	L-04	0.014	0.010
005A	L-05	< 0.027	0.027
006A	L-06	< 0.020	0.020
007A	L-07	0.046	0.010
008A	L-08	< 0.029	0.029
009A	L-09	0.25	0.016
010A	L-10	0.062	0.019
011A	L-11	< 0.029	0.029
012A	L-12	1.9	0.0092
013A	L-13	0.27	0.018
014A	L-14	0.20	0.011
015A	L-15	< 0.017	0.017
016A	L-16	0.33	0.023
017A	L-17	1.5	0.016
018A	L-18	0.35	0.0083
019A	L-19	0.25	0.014

**Analytical & Prep Method** PSI WI-506 mod. EPA SW846 7000B, Rev 2, 2007  
PSI WI-502 mod. EPA SW846 3050B, Rev 2, 1996  
*Analysis was performed by flame AA using a PE AAnalyst 400.*

Reporting limit = 30µg Pb per representative subsample.

Results are based on a representative subsample of the total sample submitted by the client.

AIHA-LAP, LLC #100373; NYELAP ID #10930; CA Lab ID #2377.

Unless otherwise noted, all samples were acceptable upon receipt.

Sample results are not corrected for blanks.

All quality control sample results are within the acceptance range, unless noted.

All results are calculated using dry weight and based on 2 significant figures. Results relate only to items tested.

Client submitted data is the determining factor in the accuracy of calculated results.

The attached Chain of Custody is incorporated into and becomes a part of the final report.

This report may not be reproduced, except in full, without written approval of PSI, Inc.

Respectfully submitted,  
PSI, Inc.

*Cathy McNamee*

Approved Signatory  
Cathy McNamee



**Analytical Report**  
**Analysis of Paint for Lead Determination**

**TESTED FOR:** PSI, Inc.  
850 Poplar Street  
Pittsburgh, PA 15220  
Attn: Madeleine Hoopes

**Project ID:** 08162999  
Harrell Design-VA Clarksburg  
1 Med Center Drive

**Date Received:** 9/27/2017      **Date Analyzed:** 9/27/2017      **Date of Issue:** 9/28/2017

**Analyst:** Jessica Mols

**Work Order:** 1709621

**Page:** 2 of 2

Lab Sample #	Client Sample #	% Lead by Weight	Reporting Limit
			% Lead by Weight
020A	L-20	0.29	0.018
021A	L-21	0.31	0.023
022A	L-22	0.27	0.018
023A	L-23	< 0.021	0.021
024A	L-24	0.35	0.022
025A	L-25	0.077	0.017

**Analytical & Prep Method** PSI WI-506 mod. EPA SW846 7000B, Rev 2, 2007  
PSI WI-502 mod. EPA SW846 3050B, Rev 2, 1996  
*Analysis was performed by flame AA using a PE AAnalyst 400.*

Reporting limit = 30µg Pb per representative subsample.

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AIHA-LAP, LLC #100373; NYELAP ID #10930; CA Lab ID #2377.

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Respectfully submitted,  
PSI, Inc.

*Cathy McNamee*

Approved Signatory  
Cathy McNamee

**APPENDIX C – ASBESTOS AND LEAD BULK SAMPLE LOG/CHAIN OF  
CUSTODY**

1709623(4)

**psi** Information  
To Build On  
Engineering • Consulting • Testing

**IH Laboratory  
850 Poplar Street  
Pittsburgh, PA 15220  
412-922-4001 ext. 228/425**

Send Invoice To:	
Company:	Same
Attn:	
Address:	
Telephone:	
Email:	

Stop at First Positive		
Y		N
<input checked="" type="checkbox"/>		<input type="checkbox"/>

Laboratory Use Only	Y	N
All Samples In Acceptable Condition:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments:		
Shipping Charges Apply:	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Relinquished by <i>Memo S. Gora</i>	Date/Time <i>9/27/17 9:00 AM</i>	Received by <i>Spencer 9/27/17</i>	Date/Time <i>9:00 AM</i>
--	-------------------------------------	---------------------------------------	-----------------------------

Special Instructions / Comments:	
----------------------------------	--

**ASBESTOS BULK SAMPLE LOG**

1709623

08162999

Project Number

Harrell Design VA-Clarksburg

Project Name

Doug Finke

Inspector

9/26/2017

Date

Harrell Design - VA Hospital

Building Name

AI 008919

Inspector License #

Sample #	Material Description	Sample Location	Analytical Results
01-01	Plaster	B145 Wall	
-02	" "	Hw of 1135	
-03	" "	Room 1152	
-04	" "	Hw outside 1134	
-05	" "	Hw outside 1167	
-06	" "	Hw outside Room B163	
-07	" "	" "	
02-01	12" Beige Black mastic	B145	
-02	mottle FT	B145	
03-01	White acoustical ceiling	<del>B14</del> Mens locker room	16x28
-02	Plaster	" "	
-03		" "	
04-01	Compressor Paper	Locker room mens	
-02		Rm 1136	
-03		Rm 1137	
05-01	12" white w gray specs	Hw outside of 1135	72x41
-02	w/ yellow + Black mastic	Rm 1152	
-03		Hw of 1136 Rm B140 EMS	
06-01	4" coverbase Black	Hw of 1136	
-02	w/ yellow mastic	1138	

Sampled By:

Date:

9/27/17

**CHAIN OF CUSTODY**

Relinquish Signature:

Date:

*Maddalena E. Rogers*

9/27/17

Signature of Recipient:

Date:

*gfl*

9/27/17 9:00 am

Signature of Recipient:

Date:

Disposition of Samples:



Return



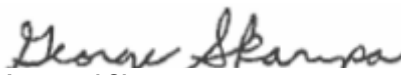
Dispose

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
21-01	048A	(1) Beige, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous <i>Inseparable Black and Yellow Mastic</i>	<b>NO ASBESTOS DETECTED</b> 2% <b>Chrysotile</b>	None Reported None Reported
21-02	049A	(1) Beige, Floor Tile, Homogeneous (2) Black, Mastic, Homogeneous <i>Inseparable Black and Yellow Mastic</i>	<b>NO ASBESTOS DETECTED</b> 4% <b>Chrysotile</b>	None Reported None Reported
22-01	050A	(1) Black, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous <i>No Tan Floor Tile</i>  (3) Brown, Other, Homogeneous <i>Filler</i>	<b>NO ASBESTOS DETECTED</b> <b>NO ASBESTOS DETECTED</b>  <b>NO ASBESTOS DETECTED</b>	None Reported None Reported  None Reported
22-02	051A	(1) Black, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous (3) Tan, Floor Tile, Homogeneous (4) Black, Mastic, Homogeneous	<b>NO ASBESTOS DETECTED</b> <b>NO ASBESTOS DETECTED</b> 5% <b>Chrysotile</b> 3% <b>Chrysotile</b>	None Reported None Reported None Reported None Reported

**Report Notes: (PT) Point Count Results**

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Interim Method for the Determination of Asbestos in Bulk Insulation Samples (EPA 600/M4-82-020). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight. NVLAP Lab Code 101350-0.

Respectfully submitted,  
PSI, Inc.

  
Approved Signatory  
George Skarupa

**Analytical Report**  
**Analysis of Paint for Lead Determination**

**TESTED FOR:** PSI, Inc.  
850 Poplar Street  
Pittsburgh, PA 15220  
Attn: Madeleine Hoopes

**Project ID:** 08162999  
Harrell Design-VA Clarksburg  
1 Med Center Drive

**Date Received:** 9/27/2017      **Date Analyzed:** 9/27/2017      **Date of Issue:** 9/28/2017

**Analyst:** Jessica Mols

**Work Order:** 1709621

**Page:** 1 of 2

Lab Sample #	Client Sample #	Reporting Limit	
		% Lead by Weight	% Lead by Weight
001A	L-01	0.15	0.0079
002A	L-02	< 0.014	0.014
003A	L-03	< 0.029	0.029
004A	L-04	0.014	0.010
005A	L-05	< 0.027	0.027
006A	L-06	< 0.020	0.020
007A	L-07	0.046	0.010
008A	L-08	< 0.029	0.029
009A	L-09	0.25	0.016
010A	L-10	0.062	0.019
011A	L-11	< 0.029	0.029
012A	L-12	1.9	0.0092
013A	L-13	0.27	0.018
014A	L-14	0.20	0.011
015A	L-15	< 0.017	0.017
016A	L-16	0.33	0.023
017A	L-17	1.5	0.016
018A	L-18	0.35	0.0083
019A	L-19	0.25	0.014

**Analytical & Prep Method** PSI WI-506 mod. EPA SW846 7000B, Rev 2, 2007  
PSI WI-502 mod. EPA SW846 3050B, Rev 2, 1996  
*Analysis was performed by flame AA using a PE AAnalyst 400.*

Reporting limit = 30µg Pb per representative subsample.

Results are based on a representative subsample of the total sample submitted by the client.

AIHA-LAP, LLC #100373; NYELAP ID #10930; CA Lab ID #2377.

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This report may not be reproduced, except in full, without written approval of PSI, Inc.

Respectfully submitted,  
PSI, Inc.

*Cathy McNamee*

Approved Signatory  
Cathy McNamee

**Analytical Report**  
**Analysis of Paint for Lead Determination**

**TESTED FOR:** PSI, Inc.  
850 Poplar Street  
Pittsburgh, PA 15220  
Attn: Madeleine Hoopes

**Project ID:** 08162999  
Harrell Design-VA Clarksburg  
1 Med Center Drive

**Date Received:** 9/27/2017      **Date Analyzed:** 9/27/2017      **Date of Issue:** 9/28/2017

**Analyst:** Jessica Mols

**Work Order:** 1709621

**Page:** 2 of 2

Lab Sample #	Client Sample #	Reporting Limit	
		% Lead by Weight	% Lead by Weight
020A	L-20	0.29	0.018
021A	L-21	0.31	0.023
022A	L-22	0.27	0.018
023A	L-23	< 0.021	0.021
024A	L-24	0.35	0.022
025A	L-25	0.077	0.017

**Analytical & Prep Method** PSI WI-506 mod. EPA SW846 7000B, Rev 2, 2007  
PSI WI-502 mod. EPA SW846 3050B, Rev 2, 1996  
*Analysis was performed by flame AA using a PE AAnalyst 400.*

Reporting limit = 30µg Pb per representative subsample.

Results are based on a representative subsample of the total sample submitted by the client.

AIHA-LAP, LLC #100373; NYELAP ID #10930; CA Lab ID #2377.

Unless otherwise noted, all samples were acceptable upon receipt.

Sample results are not corrected for blanks.

All quality control sample results are within the acceptance range, unless noted.

All results are calculated using dry weight and based on 2 significant figures. Results relate only to items tested.

Client submitted data is the determining factor in the accuracy of calculated results.

The attached Chain of Custody is incorporated into and becomes a part of the final report.

This report may not be reproduced, except in full, without written approval of PSI, Inc.

Respectfully submitted,  
PSI, Inc.

*Cathy McNamee*

Approved Signatory  
Cathy McNamee

**APPENDIX C – ASBESTOS AND LEAD BULK SAMPLE LOG/CHAIN OF  
CUSTODY**



1709623(4)

**psi** Information  
To Build On  
Engineering • Consulting • Testing

**IH Laboratory  
850 Poplar Street  
Pittsburgh, PA 15220  
412-922-4001 ext. 228/425**

Send Invoice To:	
Company:	Same
Attn:	
Address:	
Telephone:	
Email:	

Stop at First Positive		
Y		N
<input checked="" type="checkbox"/>		<input type="checkbox"/>

Laboratory Use Only	Y	N
All Samples In Acceptable Condition:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments:		
Shipping Charges Apply:	<input type="checkbox"/>	<input checked="" type="checkbox"/>

[illegible]

Relinquished by <i>Mina S. Gora</i>	Date/Time <i>9/27/17 9:00 AM</i>	Received by <i>Spencer 9/27/17</i>	Date/Time <i>9:00 AM</i>
--	-------------------------------------	---------------------------------------	-----------------------------

<b>Special Instructions / Comments:</b>	
---	--

**ASBESTOS BULK SAMPLE LOG**

1709623

08162999

Project Number

Harrell Design VA-Clarksburg

Project Name

Doug Finke

Inspector

9/26/2017

Date

Harrell Design - VA Hospital

Building Name

AI 008919

Inspector License #

Sample #	Material Description	Sample Location	Analytical Results
01-01	Plaster	B145 Wall	
-02	" "	Hw of 1135	
-03	" "	Room 1152	
-04	" "	Hw outside 1134	
-05	" "	Hw outside 1167	
-06	" "	Hw outside Room B163	
-07	" "	" "	
02-01	12" Beige Black mastic	B145	
-02	mottle FT	B145	
03-01	White acoustical ceiling	<del>B14</del> Mens locker room	16x28
-02	Plaster	" "	
-03		" "	
04-01	Compressor Paper	Locker room mens	
-02		Rm 1136	
-03		Rm 1137	
05-01	12" white w gray specs	Hw outside of 1135	72x41
-02	w/ yellow + Black mastic	Rm 1152	
-03		Hw of 1136 Rm B140 EMS	
06-01	4" coverbase Black	Hw of 1136	
-02	w/ yellow mastic	1138	

Sampled By:

Date:

9/27/17

**CHAIN OF CUSTODY**

Relinquish Signature:

Date:

*Maddalena E. Rogers*

9/27/17

Signature of Recipient:

Date:

*gfl*

9/27/17 9:00 am

Signature of Recipient:

Date:

Disposition of Samples:



Return



Dispose

**ASBESTOS BULK SAMPLE LOG**

1709623

08162999

Project Number

Harrell Design VA-Clarksburg

Project Name

Doug Finke

Inspector

9/26/2017

Date

Harrell Design

Building Name

AT 08919

Inspector License #

Sample #	Material Description	Sample Location	Analytical Results
17-01	Fire Caulking	HW ceiling outside B158	
-02		B128	
18-01	Light Pink 12" FT	HW outside B165	
-02	with tan specs	" "	
19-01	12" white w light Gray	B 155	
19-02	with tan mastic	" " B146	
20-01	9" Red w Black	B 163	
-02		" "	
21-01	12" Beige mottle	B 163	
-02		" "	
22-01	Black FT over tan FT over	<del>B144</del> B154	
-02	Black mastic	B155	

Sampled By:

Date:

9/27/17

**CHAIN OF CUSTODY**

Relinquish Signature:

Date:

9/27/17

Signature of Recipient:

Date:

9/27/17 9:00 am

Signature of Recipient:

Date:

Disposition of Samples:



Return



Dispose

1709621 (3)

**psi** Information  
To Build On  
Engineering • Consulting • Testing

**IH Laboratory  
850 Poplar Street  
Pittsburgh, PA 15220  
412-922-4001 ext. 228/425**

<b>Send Invoice To:</b>	
<b>Company:</b>	Same
<b>Attn:</b>	
<b>Address:</b>	
<b>Telephone:</b>	
<b>Email:</b>	

Stop at First Positive		
Y		N
<input checked="" type="checkbox"/>		<input type="checkbox"/>

Laboratory Use Only		Y	N
All Samples In Acceptable Condition:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Comments:			
Shipping Charges Apply:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Relinquished by <i>Mum &amp; Hays</i>	Date/Time <i>9/27/17 9:31</i>	Received by <i>Skinner</i>	Date/Time <i>9/27/17 9:15a</i>
--	----------------------------------	-------------------------------	-----------------------------------

Special Instructions / Comments:	
----------------------------------	--

1709621

PAINT CHIP SAMPLE FORM

PROJECT NO.: 08162999

DATE: 9/26/17

PROJECT NAME: Harrell Design - VA Clarksburg

INSPECTOR: Doug Finkle

SITE ADDRESS: 1 Med Center Drive

Clarksburg, WV 26301

KEY (SUBSTRATE TYPE):

M = Metal  
P = Plaster

C = Concrete  
D = Drywall

W = Wood  
B = Brick

SAMPLE NUMBER	SUBSTRATE TYPE	PAINT COLOR	SAMPLE LOCATION	% LEAD BY WEIGHT
L-01	P	White	B145	
L-02	M	Tan	Door Jamb 1136	
L-03	D	White	Hallway outside 1136	
L-04	P	cream	Rm 1152	
L-05	M	cream	Door Jamb of Rm 1141	
L-06	D	White	Rm 1152	
L-07	M	cream	Door on room 1166	
L-08	P	tan	Room 1129	
L-09	P	white	Hallway outside 193	
L-10	M	White	Door Jamb of 194	
L-11	M	white	Door Jamb of B145 <del>note</del>	
L-12	M	Brown	Door Jamb B156 male LR	
L-13	P	Tan	Hallway outside B163	
L-14	P	Tan	Hallway outside B162	

COMMENTS:

SW 9/27/17 9:15a

INSPECTOR SIGNATURE:

*D Finkle*

1709621

PAINT CHIP SAMPLE FORM

PROJECT NO.: 08162999

DATE: 9/26/17

PROJECT NAME: Harrel Design-VA Clarksville

INSPECTOR: Doug Finkle

SITE ADDRESS: 1 Med Center Drive

Clarksville WV 26301

KEY (SUBSTRATE TYPE):

M = Metal  
P = Plaster

C = Concrete  
D = Drywall

W = Wood  
B = Brick

SAMPLE NUMBER	SUBSTRATE TYPE	PAINT COLOR	SAMPLE LOCATION	% LEAD BY WEIGHT
L-15	M	Brown	Door Jamb Hallway Double Door outside B140-B139	
L-16	P	White	B155 above ceiling tile	
L-17	M	B	Door Jamb B154	
L-18	P	White	outside B154	
L-19	M	cream	B153 Door Jamb	
L-20	M	Brown.	Door Frame Hw B147	
L-21	P	White	Hw outside B147	
L-22	P	White	mens Bathroom	
L-23	C	White	B138	
L-24	C	gray	B128	
L-25	P	White	B126	

COMMENTS:

SW 9/27/17 9:15a

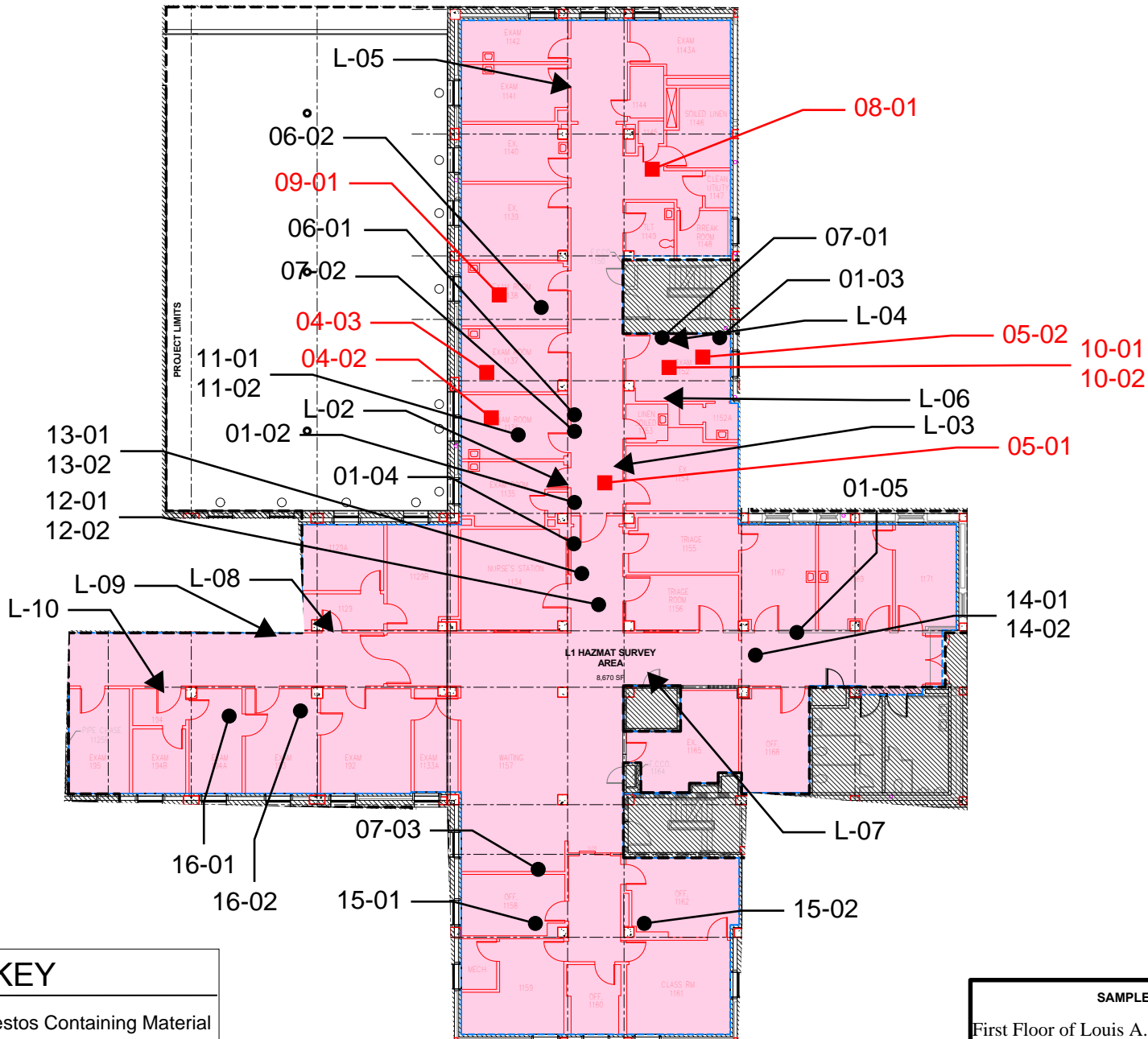
INSPECTOR SIGNATURE:

DFE

## **APPENDIX D – SITE LAYOUT AND SAMPLE LOCATION DRAWINGS**



## First Floor



## KEY

- — Non-Asbestos Containing Material  
■ — Asbestos Containing Material  
← — Lead Paint Chip Sample

### SAMPLE LOCATION MAP

First Floor of Louis A. Johnson VA Medical Center

**psi** Information  
To Build On  
Engineering • Consulting • Testing

08162999

PROJ NO.



[illegible]

● — Non-Asbestos Containing Material  
■ — Asbestos Containing Material  
← — Lead Paint Chip Sample

Basement of Louis A. Johnson VA Medical Center

DATE \_\_\_\_\_

08162999
----------

**ASBESTOS BULK SAMPLE LOG**

1709623

08162999

9/26/2017

Project Number

Date

Harrell Design VA-Clarksburg

Harrell Design

Project Name

Building Name

Doug Finke

A3008919

Inspector

Inspector License #

Sample #	Material Description	Sample Location	Analytical Results
07-01	DW + Joint compound	Rm 1152	
07-02	" "	Hw 1136	
-03		Waitroom outside Rm 1164	
08-01	magblack	outside Rms 1146 + 1148	
<del>09-01</del>	" Areocel "	" Rm 1138	
10-01	Black mastic on filler	<del>1136</del> 1152	
10-02	over Black mastic	1152	
11-01	2x2 CT	1136	
11-02	" "	1136	
12-01	1.5" Light Brown / tan Floorng	Hw outside 1134	
-02	with yellow / black	Hw waiting Rm outside 1164	
13-01	white covering over	Hw outside 1134	
-02	Fiberglass fitting	" "	
14-01	2x2 CT Worm	Hw outside 1167	
-02	" "	" "	
15-01	for 12" Gray with	1158, 1162	
-02	Rainbow spec yellow mastic	" " 1162	
16-01	Tan 12" FT with	1194 <del>1165</del>	
-02	yellow mastic	" Rm 1195 "	

Sampled By:

Date:

9/27/17

**CHAIN OF CUSTODY**

Relinquish Signature:

Date:

9/27/17

Signature of Recipient:

Date:

9/27/17 9:00am

Signature of Recipient:

Date:

Disposition of Samples:



Return



Dispose

**ASBESTOS BULK SAMPLE LOG**

1709623

08162999

Project Number

Harrell Design VA-Clarksburg

Project Name

Doug Finke

Inspector

9/26/2017

Date

Harrell Design

Building Name

AT 08919

Inspector License #

Sample #	Material Description	Sample Location	Analytical Results
17-01	Fire Caulking	HW ceiling outside B158	
-02		B128	
18-01	Light Pink 12" FT	HW outside B165	
-02	with tan specs	" "	
19-01	12" white w light Gray	B 155	
19-02	with tan mastic	" " B146	
20-01	9" Red w Black	B 163	
-02		" "	
21-01	12" Beige mottle	B 163	
-02		" "	
22-01	Black FT over tan FT over	<del>B144</del> B154	
-02	Black mastic	B155	

Sampled By:

Date:

9/27/17

**CHAIN OF CUSTODY**

Relinquish Signature:

Date:

9/27/17

Signature of Recipient:

Date:

9/27/17 9:00 am

Signature of Recipient:

Date:

Disposition of Samples:



Return



Dispose

1709621 (3)

**psi** Information  
To Build On  
Engineering • Consulting • Testing

**IH Laboratory  
850 Poplar Street  
Pittsburgh, PA 15220  
412-922-4001 ext. 228/425**

Send Invoice To:	
Company:	Same
Attn:	
Address:	
Telephone:	
Email:	

Stop at First Positive		
Y		N
<input checked="" type="checkbox"/>		<input type="checkbox"/>

Laboratory Use Only		Y	N
All Samples In Acceptable Condition:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Comments:			
Shipping Charges Apply:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Relinquished by <i>Mum &amp; Hays</i>	Date/Time <i>9/27/17 9:31</i>	Received by <i>Skinner</i>	Date/Time <i>9/27/17 9:15a</i>
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Special Instructions / Comments:	
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1709621

PAINT CHIP SAMPLE FORM

PROJECT NO.: 08162999

DATE: 9/26/17

PROJECT NAME: Harrell Design - VA Clarksburg

INSPECTOR: Doug Finkle

SITE ADDRESS: 1 Med Center Drive

Clarksburg, WV 26301

KEY (SUBSTRATE TYPE):

M = Metal  
P = Plaster

C = Concrete  
D = Drywall

W = Wood  
B = Brick

SAMPLE NUMBER	SUBSTRATE TYPE	PAINT COLOR	SAMPLE LOCATION	% LEAD BY WEIGHT
L-01	P	White	B145	
L-02	M	Tan	Door Jamb 1136	
L-03	D	White	Hallway outside 1136	
L-04	P	cream	Rm 1152	
L-05	M	cream	Door Jamb of Rm 1141	
L-06	D	White	Rm 1152	
L-07	M	cream	Door on room 1166	
L-08	P	tan	Room 1129	
L-09	P	white	Hallway outside 193	
L-10	M	White	Door Jamb of 194	
L-11	M	white	Door Jamb of B145 <del>note</del>	
L-12	M	Brown	Door Jamb B156 male LR	
L-13	P	Tan	Hallway outside B163	
L-14	P	Tan	Hallway outside B162	

COMMENTS:

SW 9/27/17 9:15a

INSPECTOR SIGNATURE:

*D. Finkle*

1709621

PAINT CHIP SAMPLE FORM

PROJECT NO.: 08162999

DATE:

9/26/17

PROJECT NAME: Harrel Design-VA Clarksville

INSPECTOR:

Doug Finkle

SITE ADDRESS: 1 Med Center Drive

Clarksville WV 26301

KEY (SUBSTRATE TYPE):

M = Metal  
P = Plaster

C = Concrete  
D = Drywall

W = Wood  
B = Brick

SAMPLE NUMBER	SUBSTRATE TYPE	PAINT COLOR	SAMPLE LOCATION	% LEAD BY WEIGHT
L-15	M	Brown	Door Jamb Hallway Double Door outside B140-B139	
L-16	P	white	B155 above ceiling tile	
L-17	M	B	Door Jamb B154	
L-18	P	white	outside B154	
L-19	M	cream	B153 Door Jamb	
L-20	M	Brown.	Door Frame Hw B147	
L-21	P	white	Hw outside B147	
L-22	P	white	mens Bathroom	
L-23	C	white	B138	
L-24	C	gray	B128	
L-25	P	white	B126	

COMMENTS:

SW 9/27/17 9:15a

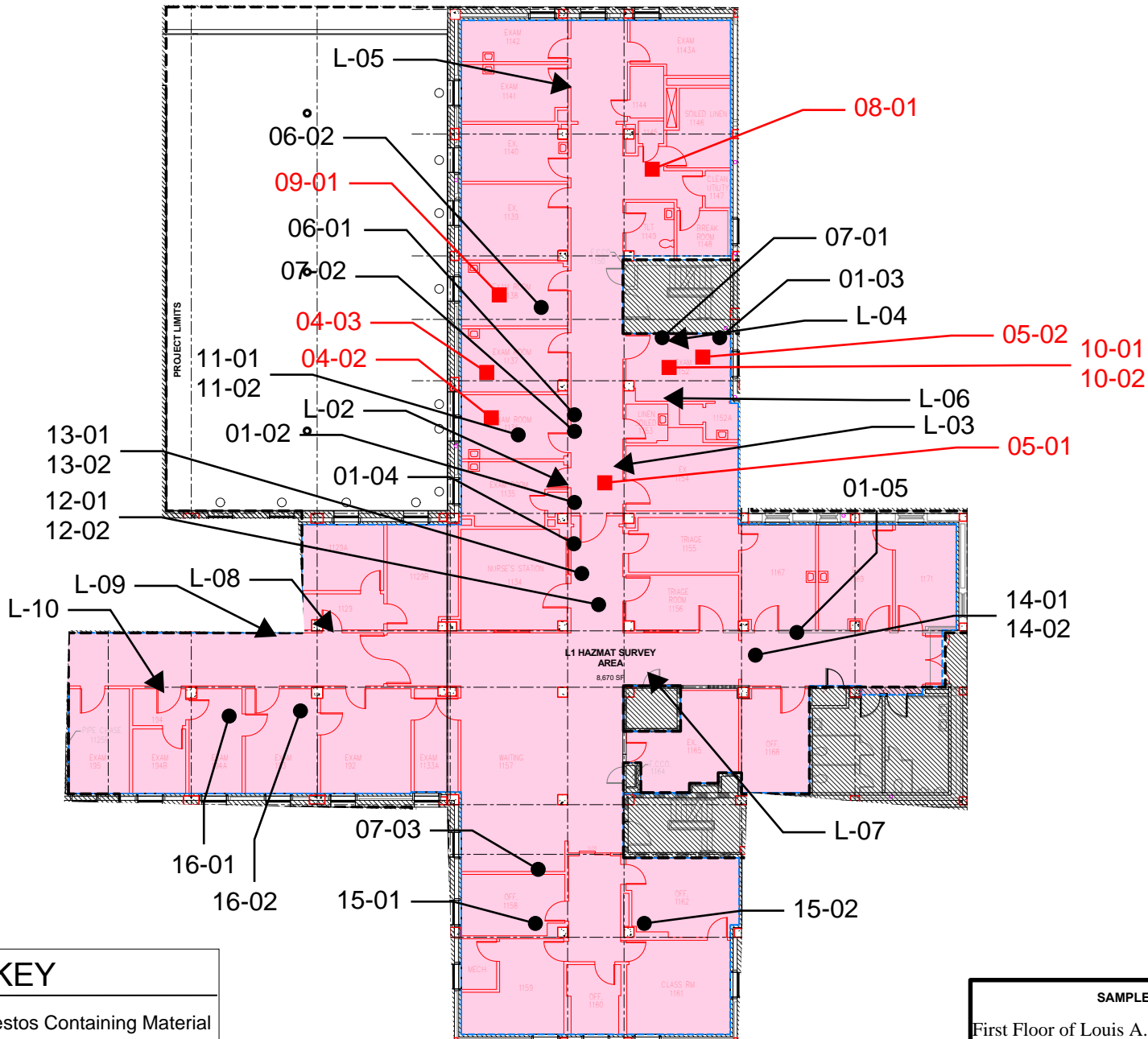
INSPECTOR SIGNATURE:

DFE

## **APPENDIX D – SITE LAYOUT AND SAMPLE LOCATION DRAWINGS**



## First Floor



## KEY

- — Non-Asbestos Containing Material  
 ■ — Asbestos Containing Material  
 ← — Lead Paint Chip Sample

### SAMPLE LOCATION MAP

First Floor of Louis A. Johnson VA Medical Center

**psi** Information  
To Build On  
Engineering • Consulting • Testing

08162999

PROJ NO.



● — Non-Asbestos Containing Material  
■ — Asbestos Containing Material  
← — Lead Paint Chip Sample

**psi** Information  
To Build On  
Engineering • Consulting • Testing

08162999

1709621 (3)

**psi** Information  
To Build On  
Engineering • Consulting • Testing

**IH Laboratory  
850 Poplar Street  
Pittsburgh, PA 15220  
412-922-4001 ext. 228/425**

Send Invoice To:	
Company:	Same
Attn:	
Address:	
Telephone:	
Email:	

Stop at First Positive		
Y		N
<input checked="" type="checkbox"/>		<input type="checkbox"/>

Laboratory Use Only		Y	N
All Samples In Acceptable Condition:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Comments:			
Shipping Charges Apply:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Relinquished by <i>Mum &amp; Hays</i>	Date/Time <i>9/27/17 9:31</i>	Received by <i>Skinner</i>	Date/Time <i>9/27/17 9:15a</i>
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Special Instructions / Comments:	
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1709621

PAINT CHIP SAMPLE FORM

PROJECT NO.: 08162999

DATE: 9/26/17

PROJECT NAME: Harrell Design - VA Clarksburg

INSPECTOR: Doug Finkle

SITE ADDRESS: 1 Med Center Drive

Clarksburg, WV 26301

KEY (SUBSTRATE TYPE):

M = Metal  
P = Plaster

C = Concrete  
D = Drywall

W = Wood  
B = Brick

SAMPLE NUMBER	SUBSTRATE TYPE	PAINT COLOR	SAMPLE LOCATION	% LEAD BY WEIGHT
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L-02	M	Tan	Door Jamb 1136	
L-03	D	White	Hallway outside 1136	
L-04	P	cream	Rm 1152	
L-05	M	cream	Door Jamb of Rm 1141	
L-06	D	White	Rm 1152	
L-07	M	cream	Door on room 1166	
L-08	P	tan	Room 1129	
L-09	P	white	Hallway outside 193	
L-10	M	White	Door Jamb of 194	
L-11	M	white	Door Jamb of B145 <del>note</del>	
L-12	M	Brown	Door Jamb B156 male LR	
L-13	P	Tan	Hallway outside B163	
L-14	P	Tan	Hallway outside B162	

COMMENTS:

SW 9/27/17 9:15a

INSPECTOR SIGNATURE:

*D Finkle*

1709621

PAINT CHIP SAMPLE FORM

PROJECT NO.: 08162999

DATE:

9/26/17

PROJECT NAME: Harrel Design-VA Clarksville

INSPECTOR:

Doug Finkle

SITE ADDRESS: 1 Med Center Drive

Clarksville WV 26301

KEY (SUBSTRATE TYPE):

M = Metal  
P = Plaster

C = Concrete  
D = Drywall

W = Wood  
B = Brick

SAMPLE NUMBER	SUBSTRATE TYPE	PAINT COLOR	SAMPLE LOCATION	% LEAD BY WEIGHT
L-15	M	Brown	Door Jamb Hallway Double Door outside B140-B139	
L-16	P	white	B155 above ceiling tile	
L-17	M	B	Door Jamb B154	
L-18	P	white	outside B154	
L-19	M	cream	B153 Door Jamb	
L-20	M	Brown.	Door Frame Hw B147	
L-21	P	white	Hw outside B147	
L-22	P	white	mens Bathroom	
L-23	C	white	B138	
L-24	C	gray	B128	
L-25	P	white	B126	

COMMENTS:

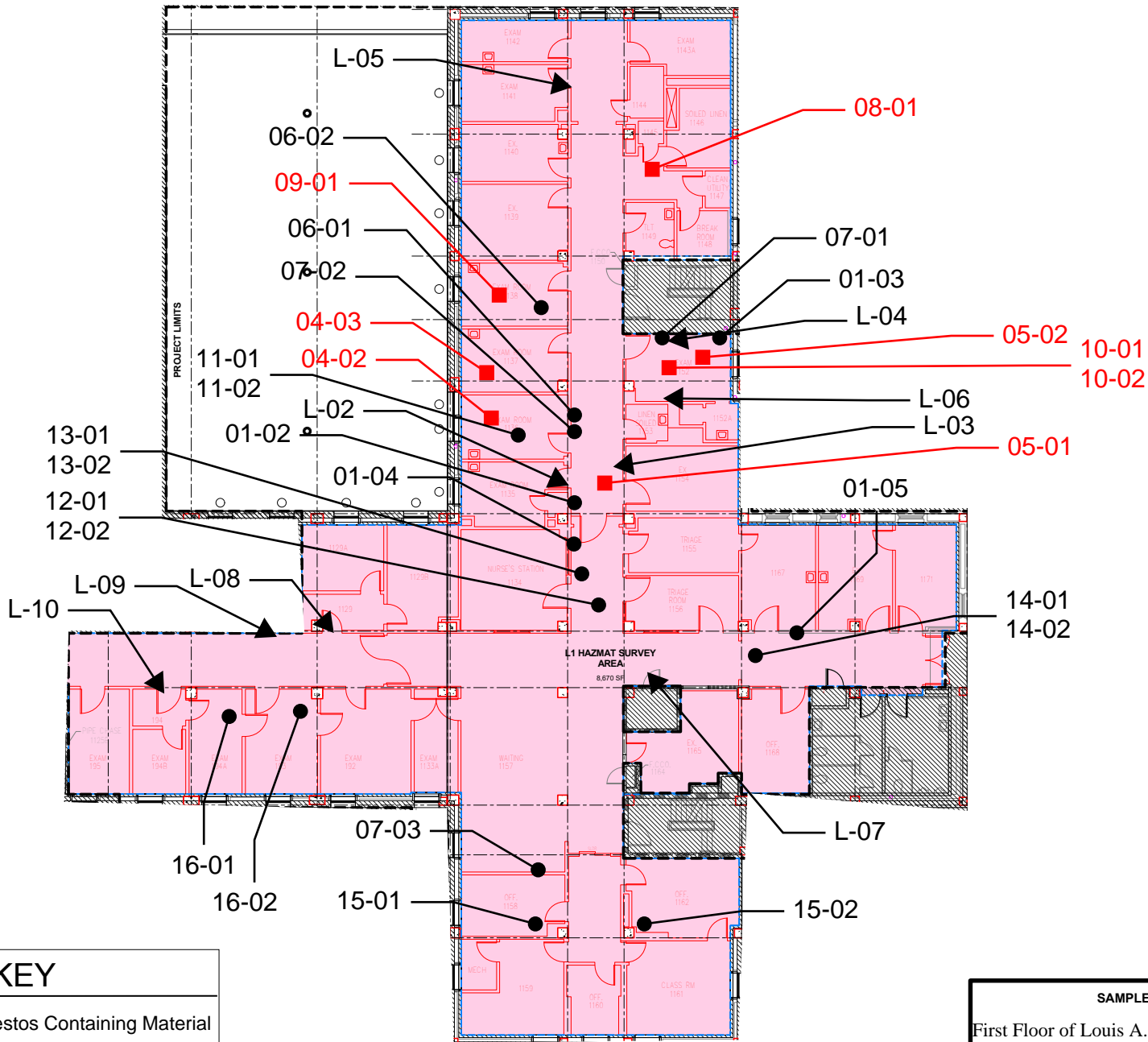
SW 9/27/17 9:15a

INSPECTOR SIGNATURE:

DFE

## **APPENDIX D – SITE LAYOUT AND SAMPLE LOCATION DRAWINGS**

## First Floor



## KEY

- Non-Asbestos Containing Material  
■ Asbestos Containing Material  
← Lead Paint Chip Sample

### SAMPLE LOCATION MAP

First Floor of Louis A. Johnson VA Medical Center

**psi** Information  
To Build On  
Engineering • Consulting • Testing

08162999

PROJ NO.

PROJ NO.

● — Non-Asbestos Containing Material  
■ — Asbestos Containing Material  
← — Lead Paint Chip Sample

**psi** Information  
To Build On  
Engineering • Consulting • Testing

08162999



## **APPENDIX E – INSPECTOR & LABORATORY CERTIFICATIONS**