REPORT OF
HAZARDOUS AND REGULATED MATERIAL SURVEY

KEESLER HOSPITAL MODERNIZATION
BUILDINGS: 468, 824, AND 5901
KEESLER AIR FORCE BASE, MISSISSIPPI
CONTRACT # W91275-13-D-6001; DO-CL0001

- Prepared By -

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J.E. DUNN PROJECT NO. 13076900
AMEC PROJECT NO. 6376-13-0046.01

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Subject: **Report of Hazardous and Regulated Materials Survey**
Keesler Hospital Modernization
Buildings 468, 824, and 5901
Keesler Air Force Base, Mississippi
Contract # W91275-13-D-6001; DO-CL0001
J.E. Dunn Project No. 13076900
AMEC Project No. 6376-13-0046.01

Mr. Rogers:

AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to present to J.E. Dunn Construction Company this report of consulting services to be used to plan the renovation and demolition activities for the Keesler Hospital Modernization at Keesler Air Force Base, in Biloxi, Mississippi. This report includes background information, findings of our survey, recommendations and supporting documentation.

We appreciate the opportunity to provide our consulting services on this project. If you have any questions or require additional information or services, please contact us.

Respectfully,
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

Richard J. Brown
Project Manager

Russell E. Stauffer, P.E.
Project Principal
For **R.E. Stauffer** with Permission

Attachments: As Referenced

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EXECUTIVE SUMMARY

Under a contract agreement between J.E. Dunn Construction Company (J.E. Dunn) and AMEC, AMEC was contracted to perform a Hazardous and Regulated Material Survey for the planned renovation and demolition associated with the Keesler Hospital Modernization at Keesler Air Force Base, Biloxi, Mississippi. The project involves renovation and demolition of the following:

Renovation Areas
Building 468 (Keesler Hospital): Select areas of the Ground Floor, 1st, 2nd, 3rd, 4th, and 5th Floors (Approximately 163,000 feet of renovation area).

Building 5901 (Arnold Mental Health Center): Renovation for temporary office space.

Demolition
Building 824 (Dental Clinic).

This report presents information obtained during the Hazardous and Regulated Material Survey and includes the following:

- NESHAP Asbestos Survey;
- Paint Containing Lead (PCL) Survey;
- Visual Survey for Hazardous and Regulated Materials;
- Visual Observation for Mold Suspect.

Field activities for the above referenced tasks were initiated on October 28, 2013 and completed on October 31, 2013. The following is a summary of findings:

ASBESTOS-CONTAING MATERIALS:

The following materials were found to contain asbestos:

Building 468 (Keesler Hospital)

First Floor:

9” x 9” Vinyl Floor Tile
Black floor tile mastic
Black and White Duct Mastic

Second Floor:
Black, beige and white duct/mastic
12” x 12” Vinyl Floor tile
Black floor tile mastic
Thermal System Insulation

Third Floor:

12” x 12” Vinyl floor tile
White and black duct mastic
Thermal System Insulation

Fourth Floor:

12” x 12” Vinyl floor tile
Black floor tile mastic
Black and white duct mastic
Duct seam wrap
Spray-applied texture
Black Sink Undercoating

Fifth Floor:

12” x 12” Vinyl floor tile
White and black duct mastic
Black floor tile mastic

Building 824 (Dental Clinic)

Black Duct Mastic
Exterior Window Caulking
Exterior Window Sealant

Building 5901 (Arnold Mental Health Center)

None

The friable ACMs and non-friable ACMs that may become friable during disturbance typically require removal by a State of Mississippi Licensed Asbestos Abatement Contractor prior to any renovation or demolition activities that may disturb the materials.

Paint Containing Lead (PCL) Survey

Paint-Containing Lead (PCL), detectable levels, was identified on various building components. If any of the items coated with PCL are planned to be impacted during the planned renovations we recommend proper removal and handling. Any renovation/demolition actions that impact these components should utilize proper engineering controls and work procedures to comply with the OSHA Construction Standard for Lead (29 CFR 1926.62). If these PCL coated components are not going to be removed as part of the project they can be managed in place using an Operations and Maintenance Program (OMP).

Hazardous / Regulated Materials Survey:

The following hazardous / regulated materials were identified:

Building 468 (Hospital)

Mercury-containing fluorescent lamps
Potential PCB containing electrical insulating fluids in lighting ballasts and electrical equipment
Chlorofluorocarbons (CFCs) in water fountains, refrigerators, and HVAC equipment
Fire extinguishers
Batteries in exit signs, emergency lighting, clocks, and smoke detectors
Lead lining in X-ray rooms
Medical Air in operating areas
Pharmaceuticals
High intensity discharge lamps
Petroleum Products in compressors and escalator equipment

Building 824 (Dental Clinic)

Mercury-containing fluorescent lamps
Potential PCB containing electrical insulating fluids in lighting ballasts and electrical equipment
Batteries in exit signs, emergency lights, clocks, and smoke detectors
Chlorofluorocarbons (CFCs) in water fountains, refrigerators and HVAC equipment
High intensity discharge lamps
Fire extinguishers
Pad-mounted transformer
Petroleum Products in compressors and escalator equipment
Lead lining in X-ray rooms

Building 5901 (Arnold Mental Health Center)

Mercury-containing fluorescent lamps
Potential PCB containing electrical insulating fluids in lighting ballasts and electrical equipment
Batteries in exit signs, emergency lights, clocks, and smoke detectors
Chlorofluorocarbons (CFCs) in water fountains

These materials will require special handling and disposal or recycling in accordance with USEPA and Mississippi Department of Environmental Quality (MDEQ) requirements prior to demolition.

Visual Observations for the Suspect Mold

Suspect mold growth was observed in Building 486 in the following areas: thermal system insulation, and duct insulation on HVAC Units located in mechanical rooms, and thermal system insulation and above ceiling tiles on in the vicinity of Room 1F232.

1.0 PROJECT INFORMATION

The Keesler Hospital (Building 468) which houses the 81st Medical Group was originally constructed in the 1950s with multiple major additions and renovations over the years. We understand that J.E. Dunn has been awarded the Design/Build contract for the Keesler Hospital Modernization by the Little Rock District of the U.S. Army Corps of Engineers. J.E. Dunn's design partner is Hoefer Wysocki Architects, LLC (HWA). Under a contract agreement between J.E. Dunn Construction Company (J.E. Dunn) and AMEC, AMEC was contracted to perform a Hazardous and Regulated Material Survey for the planned renovation and demolition associated with the Keesler Hospital Modernization at Keesler Air Force Base, Biloxi, Mississippi. The project involves renovation and demolition of the following:

Renovation Areas
Bldg 468 (Keesler Hospital): Select areas of Ground Floor,1st, 2nd, 3rd, 4th, and 5th Floors (Approximately 163,000 feet of renovation area).
Building 5901 (Arnold Mental Health Center): Renovation for temporary office space.

Demolition
Bldg 824 (Dental Clinic).

Figure 1: Building Location Plan presented in Appendix A identifies the location of the subject buildings.

1.1 PURPOSE AND SCOPE

The purpose of the Hazardous and Regulated Material survey is to provide an indication of the presence and extent of potentially hazardous or regulated building materials, equipment, and fixtures (i.e. components) within the structures that will be directly or indirectly affected by the planned project. Specifically, our survey included the areas of Building 468 identified in Figures 1A through 1f: HRM Survey Location Areas (Building 468). The Survey area also included the interior and exterior of Building 824 (excluding roofing), and the interior of Building 5901. AMEC's services for the project included the following:

- NESHAP Survey for Asbestos Containing Materials (ACMs) that involved the collection of representative samples of suspect ACMs for laboratory analysis of asbestos content by Polarized Light Microscopy.
- Paint Containing Lead (PCL) Survey to identify PCL using a portable X-Ray Fluorescent (XRF) analyzer and confirmatory laboratory analysis of paint chips.

- Visual survey for Hazardous and Regulated Materials to attempt to identify potentially hazardous materials in the buildings and/or suspect building components which could be regulated by governmental agencies.

- Visual observations for mold to attempt to identify the presence of obvious mold growth.

- Provide recommendations for asbestos abatement and safe handling and disposal of PCL and other hazardous and / or regulated materials identified in the survey.

AMEC performed the field survey between October 28 and 30, 2013 and March 12 and 13, 2014. The PCL survey was performed by Mr. James Marsh of AMEC, a State of Mississippi Lead Paint Risk Assessor. The Asbestos and HRM Survey team was led by Mr. Michael Cobb of AMEC, a State of Mississippi Asbestos Building Inspector.

2.0 ASBESTOS SURVEY

AMEC performed a National Emissions Standards for Hazardous Air Pollutants (NESHAP) [40 CFR Part 61 Subpart M] compliant asbestos survey on select areas of the ground floor through 5th floor of Building 468, select areas of Arnold Hall in Building 5901 and Building 824 in its entirety. In Appendix C, we present the following:

- Asbestos Lead Coating, HRM and Mold Protocol; and
- Qualifications of the Report.

2.1 PURPOSE AND SCOPE

The EPA and MDEQ regulate the handling and disposal of asbestos-containing materials (ACM). OSHA regulates the protection of workers whose work may expose them to asbestos. The EPA's rules concerning asbestos were issued under the National Emissions Standards for Hazardous Air Pollutants (NESHAP) [40 CFR Part 61, Subpart M]. The NESHAP specifically requires that regulated asbestos-containing materials (RACM) be removed from any regulated facility prior to renovation or demolition. The NESHAP also requires that buildings to be renovated or demolished be surveyed for ACM.

The purpose of the NESHAP ACM survey is to identify the regulated ACM in the structures scheduled for renovation or demolition. In Building 468 our services were limited to select renovation areas as identified on the AMEC HRM Survey Location Plan presented in the Appendix. Our services were limited to the interior of Building 5901. Building 824 is scheduled for demolition and all accessible areas were sampled with the exception of the roof. These findings will be used to assist in renovation design and demolition activities.

The scope of the asbestos survey included the observation of accessible interior and exterior (where applicable) building components for suspected ACM. The suspect materials observed were categorized by type, homogeneous area, general condition, and friability. A homogeneous area contains material that is uniform in texture and appearance, was installed at one time. The EPA has defined as "friable" those materials that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Samplings of homogeneous areas of suspect materials were collected in general accordance with current EPA Asbestos Hazard Emergency Response Act (AHERA) bulk sampling guidelines.

This protocol has been found to reduce the likelihood of "false negative" analyses. The samples were analyzed in accordance with AHERA "first positive analysis" protocol recommended by the EPA. Additional details of the sampling protocols are presented in Appendix C.

2.2 SURVEY TASKS

The following tasks were performed as part of this asbestos survey:

1. A visual survey was performed to identify homogeneous areas of suspect ACM and to assess potential for damage/disturbance during demolition/renovation operations and their potential to expose demolition/renovation workers to asbestos fibers.
2. Samples of accessible suspect materials were collected and analyzed by AMEC's subcontracted laboratory following EPA-recommended procedures. The locations and extents of identified and assumed ACMs were estimated.
3. Report our findings and present recommendations for further actions to accommodate demolition/renovation.

2.3 ASBESTOS BULK SAMPLING AND ANALYSIS

AMEC representatives Mr. Angel Vizcarrondo and Mr. Michael Cobb performed the survey on October 28, 2013 through October 31, 2013 and on March 12 and 13, 2014. AMEC utilized accredited asbestos inspectors in accordance with the EPA Model Accreditation Program (MAP) and State of Mississippi requirements. Bulk sample analyses were performed by AMEC's subcontract laboratory, Cates Laboratories located in Dallas, Texas. The laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP No. 200569-0) to analyze samples of suspect asbestos-containing material using polarized light microscopy (PLM). The bulk sample analysis was performed in accordance with EPA Method 600/R-93/116. Point counting was not included in our scope of work.

A total of 540 bulk samples were collected: 421 samples in Building 468, 58 samples in Building 824, and 61 samples in Building 5901. Copies of laboratory analyses reports and bulk sample Chain of Custodies are included in Appendix D.

The following suspect materials (materials thought to possibly contain asbestos) were sampled during the survey.

Building 468 (Keesler Hospital)

- 12”x12” floor tile with mastic
- 9” x 9” floor tile with mastic
- Cove base with mastic
- Drywall with joint compound
- 2 ’x 2’ ceiling tile
- 2’ x 4’ ceiling tile
- Wall Surfacing Material
- Putty (Fire stop)
- Caulking
- Duct mastics and wraps
- Vinyl sheet flooring
- Thermal System Insulation (TSI)
- Mortar
- Spray applied fire proofing
- Sink undercoating
- Vibration damper
- Expansion joint material
- Stair tread mastic

Building 824 (Dental Building)

- Cove base with mastic
- Drywall with joint compound
- Vinyl sheet flooring
- 2’x2’ ceiling tile
- Duct mastics/tapes
- Pipe and elbow insulation
- 12”x12” floor tiles with mastic
- Carpet with mastic
- Mortar
- Caulking
- Window sealant
- Surfacing material

Building 5901 (Arnold Mental Health Center)

- 2’x2’ ceiling tile
- Drywall with joint compound
- Cove base with mastic
- Carpet with mastic
- Mortar
- 12”x12” floor tile with mastic
- Duct mastic
- Pipe wrap
- Sink insulation

2.4 CONCLUSIONS AND RECOMMENDATIONS (ASBESTOS)

The following materials were found to contain asbestos:

Building 468 (Keesler Hospital)

First Floor:

9" x 9" Vinyl Floor Tile
Black floor tile mastic
Black and White Duct Mastic

Third Floor:

12" x 12" Vinyl floor tile
White and black duct mastic
Thermal System Insulation (Custodial Closet)

Fifth Floor:

12" x 12" Vinyl floor tile
White and black duct mastic
Black floor tile mastic

Second Floor:
Black, beige and white duct/mastic
12" x 12" Vinyl Floor tile
Black floor tile mastic
Thermal System Insulation

Fourth Floor:

12" x 12" Vinyl floor tile
Black floor tile mastic
Black and white duct mastic
Duct seam wrap
Spray-applied texture
Black sink undercoating

Building 824 (Dental Clinic)

Black Duct Mastic
Exterior Window Caulking
Exterior Window Sealant

Building 5901 (Arnold Mental Health Center)

None

Refer to Appendix B, Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials for detailed information regarding sample location, ACM location, quantity, condition, and other information. It should be noted that the quantities provided in Table 1 are estimates only and should not be relied upon for cost estimation without verification. See Drawings 001 through 014 for Asbestos Location Plans.

2.4.1 GENERAL RECOMMENDATIONS

There are four recognized response actions to manage ACMs in buildings and abate potential hazards to human health and the environment:

- **Removal**
- **Enclosure**
- **Encapsulation**

- **Repair** of damaged materials in conjunction with special **Operations and Maintenance (O&M)** and re-observation programs.

The selection of a particular response action should be based upon intended usage of the building, actual exposure rates and cost. The EPA has Federal regulations regarding asbestos removal associated with renovation and demolition projects conducted in "facilities" as defined in the regulations. The EPA NESHAP rule includes several important definitions. The definitions that greatly affect abatement alternatives are the categories of ACM. These categories are as follows:

- **Friable ACM** means any material that can be reduced to powder by hand pressure when dry.
- **Category I Non-Friable ACM** means packing, gaskets, resilient floor coverings and roofing products that contain more than one- percent asbestos.
- **Category II Non-Friable ACM** means any material, excluding Category I Non-Friable ACM that contains more than one- percent asbestos, and is not friable.
- **Regulated ACM (RACM)** includes all friable ACM; Category I Non-Friable ACM that will be or has been subject to sanding, grinding, cutting or abrading; Category I Non-Friable ACM that has become friable; and Category II Non-Friable ACM that has a high probability of becoming, or has become crumbled, pulverized, or reduced to a powder by forces expected to act on the material in the course of demolition or renovation operations.

OSHA also has rules which govern maintenance, renovation, or demolition work which impacts ACM, including removal, in public and commercial buildings. The OSHA construction rules for asbestos establish four distinct classes of work. Each class of asbestos work requires specialized training and engineering controls. The OSHA classes of asbestos work are:

- **Class I Asbestos Work** means activities involving the removal of ACM insulation on mechanical systems (i.e. pipes, boilers, ducts, etc.) and applied to surfaces (i.e. fireproofing, acoustical treatments, and plaster).
- **Class II Asbestos Work** means activities involving the removal of materials which are not on mechanical systems or applied to surfaces (i.e. floor coverings, gypsum wallboard, mastics, roofing, etc.).
- **Class III Asbestos Work** means activities involving the disturbance, for maintenance purposes only, small amounts of ACM up to that amount which will fit in one waste bag.
- **Class IV Asbestos Work** means clean up of ACM dust and debris on construction projects.

2.4.2 SPECIFIC ASBESTOS RECOMMENDATIONS

Duct Mastics (Building 468 and Building 824)

The EPA NESHAP classifies these materials as Non-Friable Category I ACM. While these materials are non-friable, disturbance of the materials may render them friable. Removal as RACM is required by NESHAP prior to any activities that subject this material to cutting, sanding,

grinding, abrading, or otherwise rendering them friable during demolition activities. The OSHA Construction Standard classifies disturbance, removal, or demolition of structures with this material as Class II asbestos work, which requires specialized training and engineering controls, etc. 11 Mississippi Administrative Code Part 2 Chapter 10 generally requires that a state licensed asbestos abatement contractor perform the removal, repair, or encapsulation of this type material.

Floor Coverings and Adhesive Mastics (Building 468)

The EPA NESHAP classifies these materials as Category I, non-friable ACM. Removal as RACM is required by NESHAP prior to any activities that subject this material to cutting, sanding, grinding, abrading, or otherwise rendering them friable during demolition activities. The OSHA Construction Standard classifies disturbance, removal, or demolition of structures with this material as Class II asbestos work, which requires specialized training and engineering controls, etc. 11 Mississippi Administrative Code Part 2 Chapter 10 generally requires that a state licensed asbestos abatement contractor perform the removal, repair, or encapsulation of this type material.

Spray Applied Texture (Building 468)

The EPA NESHAP classifies these materials as Friable ACM. Removal as RACM is required by NESHAP prior to any activities that disturb the material during demolition activities. The OSHA Construction Standard classifies disturbance, removal, or demolition of structures with this material as Class I asbestos work, which requires specialized training and engineering controls, etc. 11 Mississippi Administrative Code Part 2 Chapter 10 generally requires that a state licensed asbestos abatement contractor perform the removal, repair, or encapsulation of this type of material.

Window Sealant and Window Caulking (Building 824)

The EPA NESHAP classifies these materials as Category I, non-friable ACM. Removal as RACM is required by NESHAP prior to any activities that subject this material to cutting, sanding, grinding, abrading, or otherwise rendering them friable during demolition activities. The OSHA Construction Standard classifies disturbance, removal, or demolition of structures with this material as Class II asbestos work, which requires specialized training and engineering controls, etc. 11 Mississippi Administrative Code Part 2 Chapter 10 generally requires that a state licensed asbestos abatement contractor perform the removal, repair, or encapsulation of this type material.

2.4.3 STATE OF MISSISSIPPI ASBESTOS REGULATIONS

11 Mississippi Administrative Code Part 2 Chapter 10 generally requires that a state licensed asbestos abatement contractor perform the removal, repair, or encapsulation of the types of ACM identified in this report.

Notification Requirements

The State of Mississippi requires that prior to any demolition, renovation or asbestos abatement activities a ten working day written notification be completed. A State of Mississippi Demolition/Renovation Notification Form must be completed and submitted to the MDEQ office in Jackson, Mississippi.

2.4.4 INTERIM MEASURES

We recommend occupants of Building 468 and Building`824 be made aware of the presence of the ACM and also instructed to minimize disturbance of the material until removal. If removal is not cost effective at this time, we recommend that control measures be established for any other personnel who may enter the structure to minimize their exposure to asbestos. Also, periodic reassessment of the condition of the asbestos-containing materials should be undertaken and precautions and procedures should be in writing and be thoroughly documented. These features, in addition to others such as training, etc., can be implemented by the adoption of an Operations and Maintenance (O&M) Program.

2.4.5 LEGAL AND MEDICAL CONSIDERATIONS

Due to the health hazards and legal ramifications involved in asbestos exposure in public buildings, an interdisciplinary approach between the engineering, medical and legal communities should be involved when determining an asbestos control program. There is presently a tremendous amount of litigation in the courts concerning present and past asbestos exposure in public and private facilities, as well as in the workplace environment. One basis for much of the litigation stems from the lack of adequate notification by the building owner to building occupants/employees following the identification of asbestos in buildings. As a minimum, building owners should notify building employees, occupants, vendors, and others as required in the OSHA Asbestos Standards (29 CFR 1910.1001 and 29 CFR 1926.1101). We recommend that you involve appropriate legal counsel in your asbestos control program to address these very important issues.

If, during renovation activities, additional suspect ACMs are revealed, bulk samples should be obtained to determine asbestos content.

3.0 PAINT CONTAINING LEAD (PCL) SURVEY

3.1 PURPOSE AND SCOPE

The EPA and MDEQ regulate the disposal of lead which, over a certain leachable threshold, is defined as a hazardous waste. OSHA regulates the protection of workers whose work may expose them to lead that may be inhaled or ingested. The purpose of the PCL testing was to identify the lead containing paint located in the renovation areas. Paint coatings visually representative (area/color) were evaluated during this testing.

3.2 LEAD TESTING PROCEDURES

Mr. James Marsh of AMEC performed the PCL survey between October 28 and 29, 2013. Mr. Marsh is a State of Mississippi Lead Risk Assessor. The PCL testing was performed using the Lead Paint Analyzer (LPA-1), manufactured by the Radiation Monitoring Devices (RMD). The LPA-1 is a portable, in-situ test and measurement instrument that operates on the principal of X-Ray Fluorescence.

During the testing of walls, the test equipment was placed on the wall at varying vertical heights (high, middle, low). During the testing of the floors, the test equipment was placed near a corner of the floor surface. During the testing of ceilings, the equipment was placed near the center of the room/area being tested. The areas tested were chosen by Mr. Marsh based on accessibility. The specific test locations are identified in Table 3: PCL Field Test Locations and Results in Appendix B attached to this report.

We also obtained 10 paint chip samples for laboratory analysis. The purpose of the paint chip sample collection and analysis was to compare to the XRF readings as an accuracy check. Appendix B, Table 2: PCL Laboratory Test Results summarizes the paint chip sample analysis. Additional details of protocols utilized for the PCL survey are provided in Appendix C.

3.3 TESTING CRITERIA AND RESULTS

During the testing 582 XRF tests were performed at the project site, 444 in the Hospital, 92 in the Dental Clinic and 46 in the Arnold Mental Health Center. Table 3 in Appendix B identifies test locations and results of the testing.

We obtained 10 paint chips (six from Hospital and four from Dental Clinic) during the XRF testing for laboratory analysis for lead to quality control the XRF field test results. The result of that analysis is provided in Table 2: PCL Laboratory Test Results presented in Appendix B. Based on the results of the XRF testing (detectable concentrations) and analysis of the 10 paint chip samples, the following is a summary of testing results:

Building 468 (Keesler Hospital)

- 41 XRF tests showed detectable concentrations of lead (0.1 mg/cm^2 and above) on tested coatings.
- Two of the six paint chips showed lead concentrations above the 2009 Consumer Product Safety Commission (CPSC) definition of 90 parts per million (ppm) for lead-based paint.

Building 824 (Dental Clinic)

- Thirteen XRF tests showed detectable concentrations of lead (0.1 mg/cm^2 and above) on tested coatings.
- Two of the four paint chips showed lead concentrations above the 2009 Consumer Product Safety Commission (CPSC) definition of 90 parts per million (ppm) for lead-based paint.

Building 5901 (Arnold Mental Health Center)

Two XRF tests showed detectable concentrations of lead (0.1 mg/cm^2 and above) on tested coatings.

3.4 CONCLUSIONS AND RECOMMENDATIONS

As a result of the field XRF testing and paint chip sample analysis it appears that lead containing coatings include the following:

Building 468 (Hospital)

Ground Floor:

- Hall at 027 — West Drywall Wall
- Pediatrics — N.W. Stair Handrail
- Pediatrics — N.W. Stairwell Handrail Support
- Stairs GF-1 — West Concrete Wall
- Stairs GF-1 — Handrail
- Stairs GB-2 — Handrail
- Escalator Ground Floor — West Drywall Chase

First Floor:

- Stairs 1F-1 — Metal Door
- Stairs 1F-1 — South Concrete Wall
- Mechanical 1F400 — West Concrete Wall
- Exam Room 1F-126 — Wood Door
- Classroom 1F-118 — East Drywall Wall
- Exam Room 1G-435 — South Drywall Wall
- Hall @ 1G-410 — West Drywall Wall
- Stairs 1B-1 — Handrail
- 1B-408 (Men's RR) — Wall Tile
- 1B-407 (Ladies RR) — Wall Tile
- 1A-126 Lobby — Drywall Light Chase

Second Floor:

- South Elev Lobby — North Wall Corner Guard
- Elev 1-4 Lobby — East & West Concrete Walls
- Freight Elev Lobby — East Concrete Wall
- Room 2B-131 — Wood Door
- OR #3 — Door Frame
- OR Hall @2C-135 — North Wall
- OR Hall @2C-135 — South Wall
- OR Hall @ OR #6 — North Wall

Third Floor:

- Room 3C-125 — East Plaster Wall
- Stairs 3B-2 — West Concrete Wall
- Room 3B-140 — South Drywall Wall
- Room 3B-140 — East Plaster Wall
- Room 3B-123 — North Plaster Wall

Fourth Floor:

- Room 4A-176 East Drywall Wall
- Room 4A-167 South Drywall Wall
- Room 4A-139 West Drywall Wall
- Room 4A-139 Bath Drywall Ceiling

Fifth Floor:

- Room 5A-174 Wood Door
- Mech 5A-106 Wood Door
- Mech 5A-106 North Concrete Wall
- Mech 3C Metal Door
- Mech 6 Metal Door Frame
- Mech 6 Metal Door
- Mech 6 East Concrete Wall
- Mech 6 Roof Access Door Frame
- Elevator Loft Ladder Stringer
- Elevator Loft Ladder Handrail
- Elevator Loft Ladder Step

Building 824 (Dental Clinic)

- H-79 Plaster Ceiling
- F-46 West Plaster Wall
- B-30 Metal Door Frame
- B-27 Metal Door Frame
- A-116 East Plaster Wall
- Dental Lab Waiting West Plaster Wall
- Room 129 South Plaster Wall
- Hall @ Room 14 South Plaster Wall
- South Entry Lobby East Brick Wall
- South Entry Lobby South Brick Wall

Building 5901 (Arnold Mental Health Center)

- Room B-01 Wood Door
- Occupational Therapy Lobby North Drywall Column
- Occupational Therapy East Drywall Wall

Within Building 468, we recommend all components coated with orange paint and ceramic wall tiles be assumed to be coated with PCL. The high lead concentrations on the OR hall walls appears to be related to leaded shielding rather than wall coatings based on the paint chip sample analysis results.

Components with detectable lead concentrations may be impacted during renovations. Should renovations necessitate the removal of paint with detectable lead concentrations on components, the coatings or component would need to be removed by a contractor with lead experience and training. If the PCL coated components are to remain, the PCL can be managed in place using an Operations and Maintenance Program (OMP).

The OSHA regulations require that exposures to construction workers and general industry personnel be controlled by proper work procedures, proper worker training, respiratory training, etc. Any renovation/demolition actions should utilize the proper engineering controls and comply with the OSHA Construction Standards for Lead (29 CFR 1926.62).

Regarding PCL disposal, removed coatings and components should be segregated from the renovation/demolition waste stream and coatings tested for leachate lead in accordance with Toxicity Characteristics Leachate Procedure (TCLP). If testing indicates the PCL waste is within acceptable levels the waste may be disposed as typical construction and demolition waste. If not, the waste may require disposal as a hazardous waste.

Metal building components removed intact can be exempt from TCLP testing, if removed and sent for recycling.

Any chips, dusts, contaminated soils and sludges containing lead based paint debris generated by renovation or demolition would have to be characterized and managed in accordance with the RCRA hazardous waste rules.

Torch cutting metals coated with lead concentrations of concern should be avoided. Areas that must be torch cut to facilitate component removal should have the torch cut area coatings remove by a lead removal contractor prior to the torch cutting in compliance with the requirements of the OSHA Lead Construction Standard.

4.0 HAZARDOUS AND / OR REGULATED MATERIALS SURVEY

4.1 PURPOSE AND SCOPE

AMEC's scope of services included performance of visual observations for other hazardous and regulated materials including mercury found in lighting components and switches, polychlorinated biphenyls (PCB) found in electrical insulating oils, and hydrocarbon fluids in mechanical equipment. The purpose of the observations is to provide an indication of the presence and extent of potentially hazardous or regulated building materials, equipment and fixtures (i.e. components) within the three buildings planned for renovation or demolition.

4.2 FINDINGS

The following hazardous or regulated materials were identified on the site:

Building 468 (Hospital)

- Mercury-containing fluorescent lamps
- Potential PCB containing electrical insulating fluids in lighting ballasts and electrical equipment
- Chlorofluorocarbons (CFCs) in water fountains, refrigerators, and HVAC equipment
- Fire extinguishers
- Batteries in exit signs, emergency lighting, clocks, and smoke detectors
- Lead lining in X-ray rooms
- Medical Air in operating areas
- Pharmaceuticals
- High intensity discharge lamps
- Petroleum Products in compressors and escalator equipment

Building 824 (Dental Clinic)

- Mercury-containing fluorescent lamps
- Potential PCB containing electrical insulating fluids in lighting ballasts and electrical equipment
- Batteries in exit signs, emergency lights, clocks, and smoke detectors
- Chlorofluorocarbons (CFCs) in water fountains, refrigerators and HVAC equipment
- High intensity discharge lamps
- Fire extinguishers
- Pad-mounted transformer
- Petroleum Products in compressors and escalator equipment

Building 5901 (Arnold Mental Health Center)

- Mercury-containing fluorescent lamps
- Potential PCB containing electrical insulating fluids in lighting ballasts and electrical equipment
- Batteries in exit signs, emergency lights, clocks, and smoke detectors
- Chlorofluorocarbons (CFCs) in water fountains

4.3 CONCLUSIONS AND RECOMMENDATIONS

The identified hazardous and regulated materials should be properly removed and handled before renovation and demolition activities begin in the buildings. A removal plan should be developed that includes worker training and protection, identification and removal procedures, storage, transport and disposal procedures. The following sections generally provide appropriate disposal options for the indentified materials.

Fluorescent Light Tubes

The suspect mercury-containing fluorescent lamps should be disposed of or recycled in accordance with 40 CFR Part 273, the Standards for Universal Waste Treatment, unless they are determined not to contain mercury by analysis or manufacturer's documentation. If present, reliance on the green markings on light tubes designating lamps as "low mercury, non-hazardous" may be appropriate. Generally, these materials may be disposed of in a lined, sanitary (Class I) landfill. These materials cannot be disposed of as Construction and Demolition (C&D) waste in a C&D (Class III) unlined landfill. Also, no mercury (of any concentration) lamps can be incinerated, therefore, in areas where waste is incinerated, disposal in said waste is not allowed. The responsible disposal option for fluorescent bulbs is recycling and arrangements should be made with an appropriate recycler.

High Intensity Discharge Lamps

High intensity discharge (HID) bulbs may contain mercury vapor, high pressure sodium, and metal halide lamps. The regulations governing the devices as a waste are the same as those documented above for fluorescent light tubes. HID lamp bulbs can be recycled and arrangements should be made with an appropriate recycler.

Lighting Ballasts, Electrical Equipment, Transformers

The suspect PCB-containing materials should also be disposed of or recycled in accordance with the Standards for Universal Waste Treatment and Toxic Substances Control Act (TSCA), 40 CFR Part 261, unless they can be determined not to contain regulated concentrations of PCBs. The recommended disposal option is to collect all materials potentially containing electrical insulating fluids and recycle through an appropriate recycler.

Batteries

Batteries may contain lead, nickel, and cadmium and their disposal is regulated by RCRA and the MDEQ. Batteries may not be disposed of in a landfill or municipal waste incinerator. Arrangements should be made for recycling with an appropriate waste recycler.

Lead Lining

X-ray rooms are suspected to be lined with rolled lead sheathing walls, ceilings, and floors. Disposal of these materials is regulated by RCRA and the MDEQ. These materials should be recycled by an appropriate recycler.

Petroleum Products

Petroleum products including hydraulic fluids should be properly drained from equipment prior to dismantling. Petroleum product disposal is regulated by the MDEQ. Petroleum products should be recycled by an appropriate recycler.

Household Chemicals, Paints, and Solvents

Household chemicals, paints, and solvents are regulated by RCRA and the MDEQ. These materials may be disposed as special wastes at the local MDEQ permitted landfill, but must be segregated from the overall project waste stream.

Pharmaceuticals

Pharmaceuticals should be disposed in accordance with the proper manufacturer's instructions and all applicable Federal, State and local regulations.

Chlorofluorocarbons (CFCs)

Refrigerants are regulated under Section 608 of the Clean Air Act. The State of Mississippi abides by Section 608 of the Clean Air Act and does not have state specific laws regarding CFCs. During removal and disposal, refrigerants may not be knowingly vented to the atmosphere. Instead, refrigerants should be recovered. Refrigerants should be reclaimed and recycled by a qualified CFC reclamation contractor prior to disturbance. Recycling of refrigerants should be performed in accordance with Section 40 CFR 82, Subpart F, Protection of Stratospheric Ozone Recycling and Emission Radiation.

Fire Extinguishers

The contents of fire extinguishers may be considered hazardous and the contents are often under pressure. Fire extinguishers should be collected from the renovation area and recycled.

5.0 OBSERVATIONS FOR SUSPECT MOLD

5.1 PURPOSE AND SCOPE

AMEC's scope of services included performance of visual observations for the presence of obvious suspect mold growth. No testing for the presence of mold was performed. Our observations were performed in readily accessible locations that coincided with our asbestos and HRM survey. The purpose of the services was to document locations where suspect mold growth is present within the work areas.

5.2 FINDINGS

Suspect mold growth was observed in the survey areas as further described below:

Building 468 (Hospital)

Suspect mold growth was observed in Building 486 in the following areas: thermal system insulation, and duct insulation on HVAC Units located in mechanical rooms, and thermal system insulation above the drop ceiling in the vicinity of Room 1F232.

Building 824 (Dental Clinic)

None

Building 5901 (Arnold Mental Health Center)

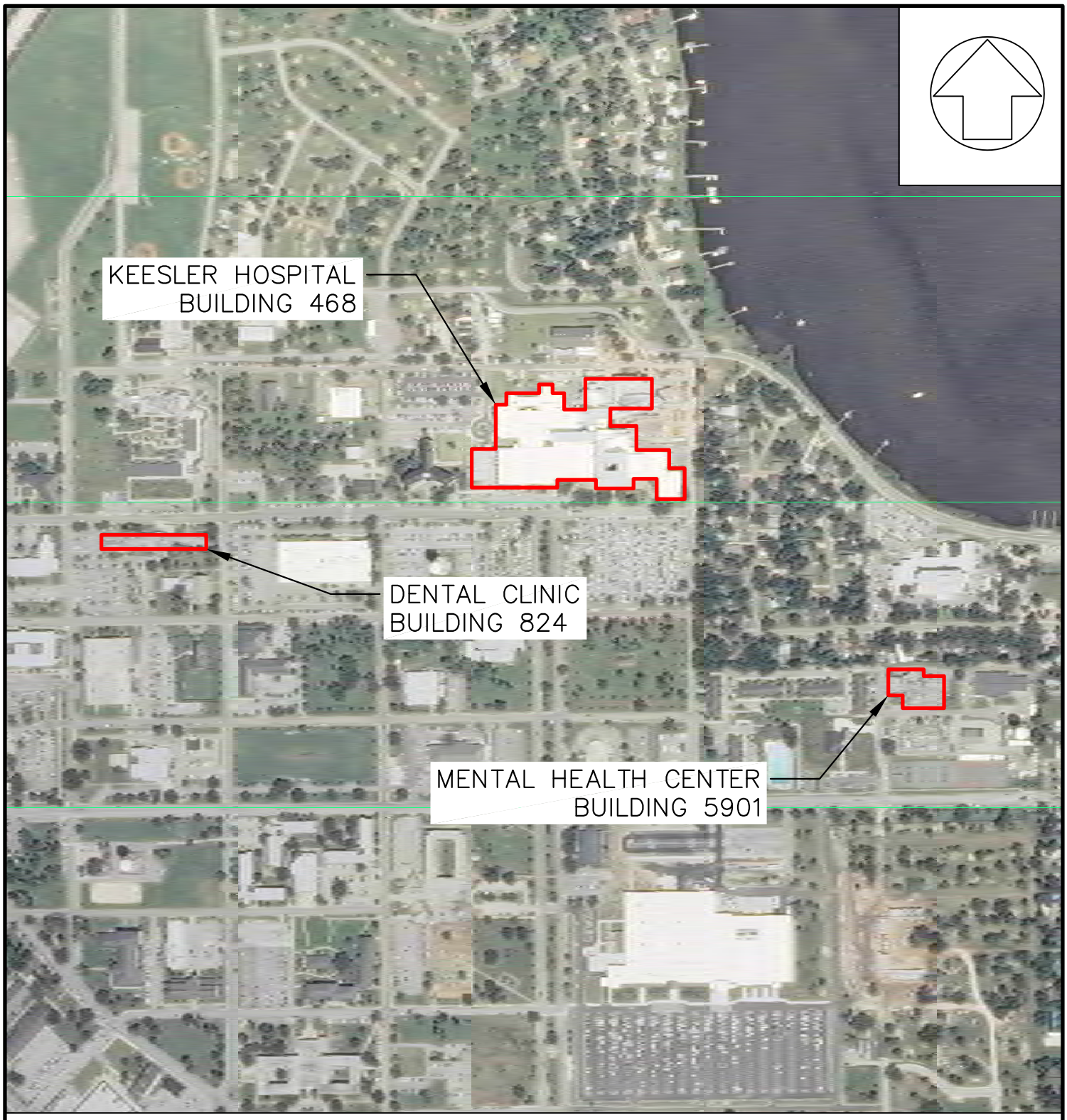
None

5.3 CONCLUSIONS AND RECOMMENDATIONS

We recommend that additional investigation of the areas containing mold growth is performed to evaluate conditions that contribute to the mold growth. Remedying conditions that contribute to mold growth should be performed.

If the project impacts the areas of components containing mold growth, a remediation plan for the proper removal and/or cleaning of the materials should be developed and implemented.

APPENDIX A
FIGURES



SOURCE:
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"BILOXI"
WWW.USGS.GOV

0 600' 1200'

SCALE:1"=600'

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
9211 NORTH DAVIS HIGHWAY, PENSACOLA, FLORIDA 32514
PH: (850) 478-8100 FX: (850) 478-0990

PROJECT NO.: 6376-13-0046.01

BUILDING LOCATION PLAN

REPORT OF HAZARDOUS AND REGULATED MATERIAL SURVEY
KEESLER HOSPITAL MODERNIZATION
KEESLER AIR FORCE BASE, MISSISSIPPI

SCALE: 1:500
DATE: 12/19/2013
DESIGN: N/A
DRAWN: J. PRESCOTT
CHECKED: R. BROWN

PHASE NO.
FIGURE 2

P:\2013\0046.01-Keesler\CAD\6376130046.01_Building Location Plan.dwg Dec 23, 2013 - 8:49am

Figure 1A: HRM Survey Location Areas (Building 468)

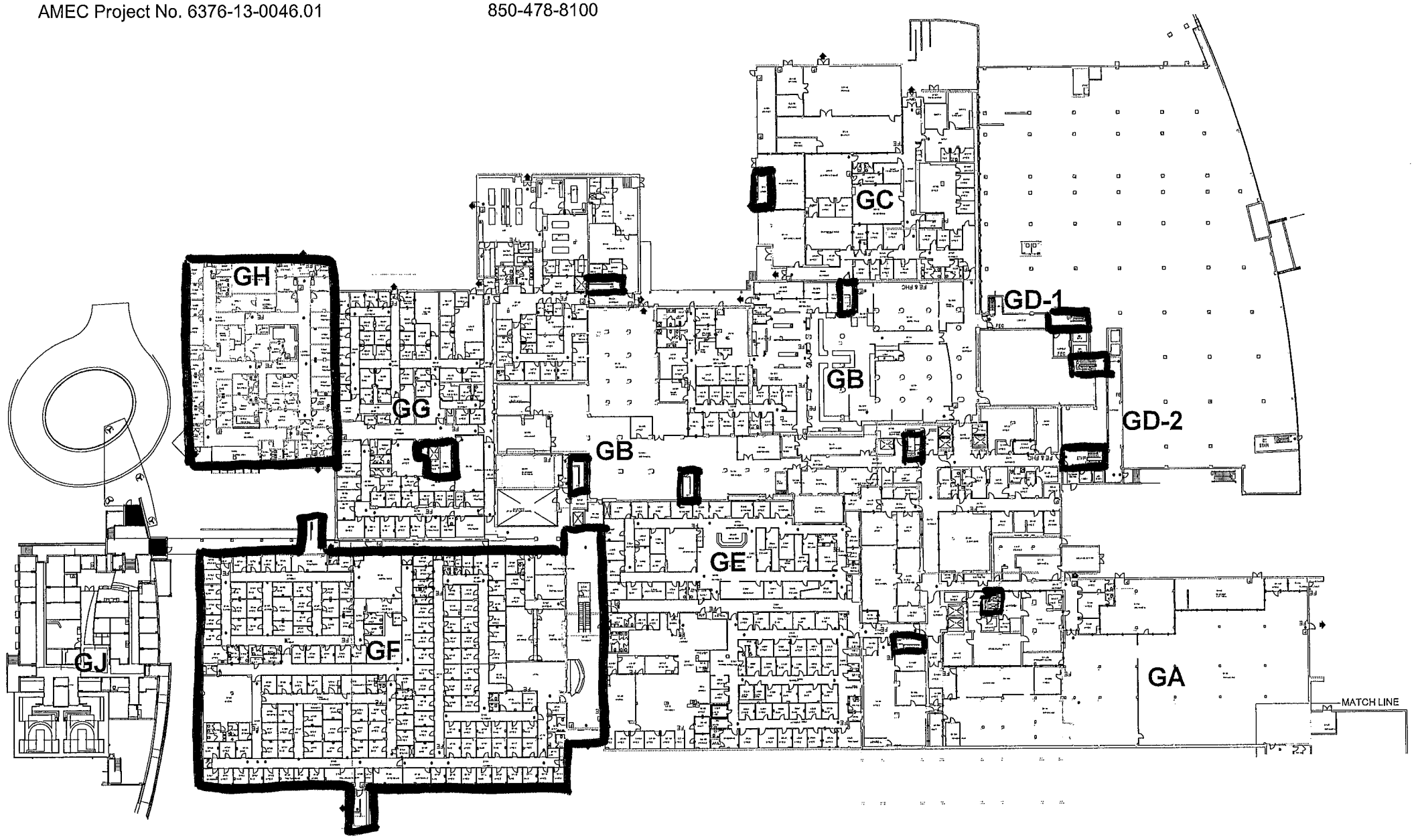
Legend

Boundary of Survey Area

Prepared By: R.J. Brown December 18, 2013

Report of Hazardous and Regulated Material Survey
Keesler Hospital Modernization Project
Keesler Air Force Base
AMEC Project No. 6376-13-0046.01

AMEC Environment & Infrastructure, Inc.
9211 North Davis Highway
Pensacola, Florida 32514
850-478-8100



1 A1.00 Ground Floor Plan - Overall
1" = 30'-0"

HWA Hoefer Wysocki Architects, LLC

JE DUNN+HWA

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

Project Name
PROJECT ADDRESS
Ground Floor Plan - Overall

Sheet Reference Number
A1.00

9/25/2013 10:40:09 AM

Figure 1B: HRM Survey Location Areas (Building 468)

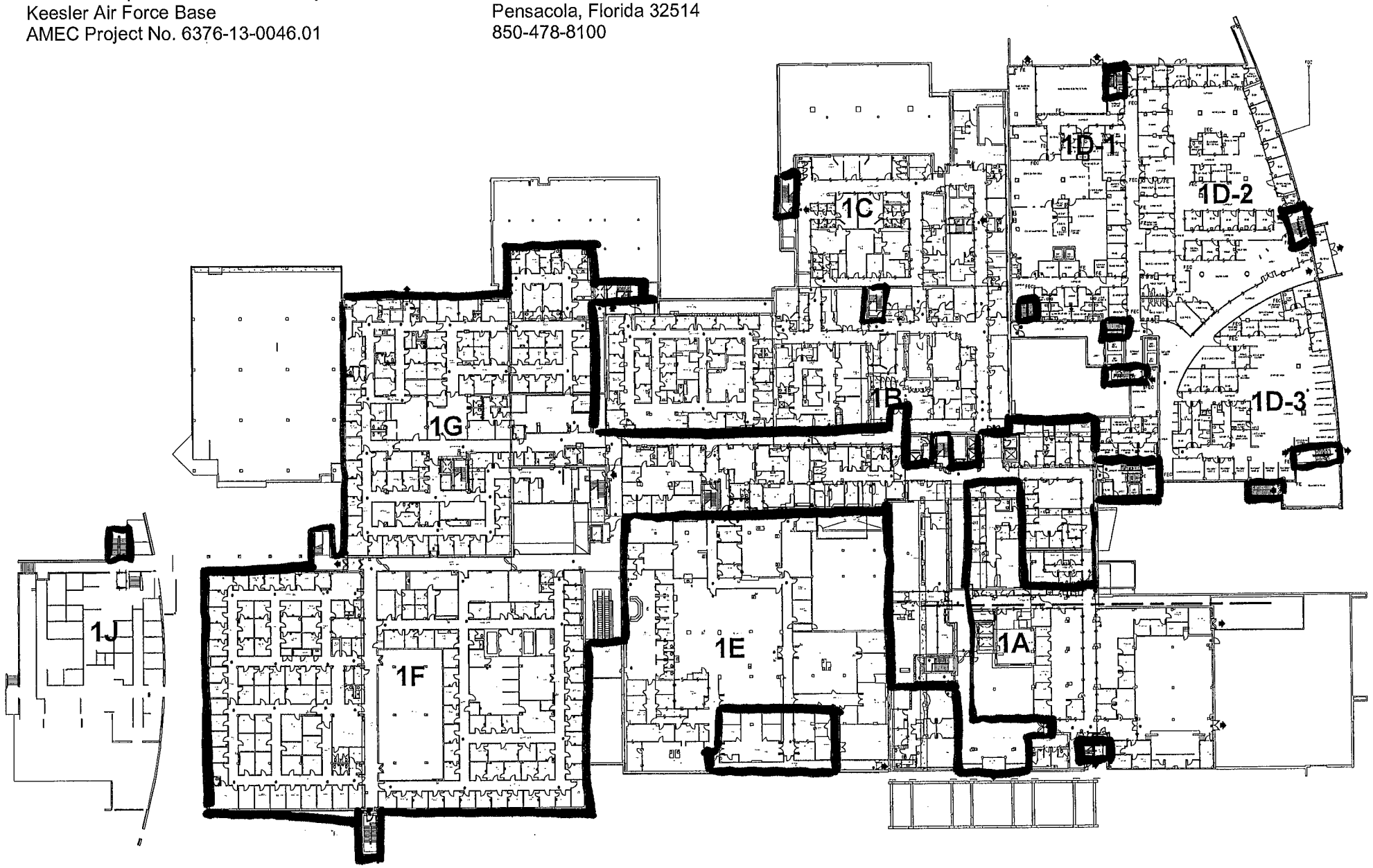
Legend

Boundary of Survey Area

Prepared By: R.J. Brown December 18, 2013

Report of Hazardous and Regulated Material Survey
Keesler Hospital Modernization Project
Keesler Air Force Base
AMEC Project No. 6376-13-0046.01

AMEC Environment & Infrastructure, Inc.
9211 North Davis Highway
Pensacola, Florida 32514
850-478-8100



1st Floor Plan - Overall
1" = 30'-0"

HWA Hoefer Wysocki Architects, LLC

JE DUNN+HWA

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

Keesler Hospital Modernization
301 FISHER ST., KEESLER AFB, MS 39534

1st Floor Plan Overall

Sheet Reference Number
A1.01

Figure 1C: HRM Survey Location Areas (Building 468)

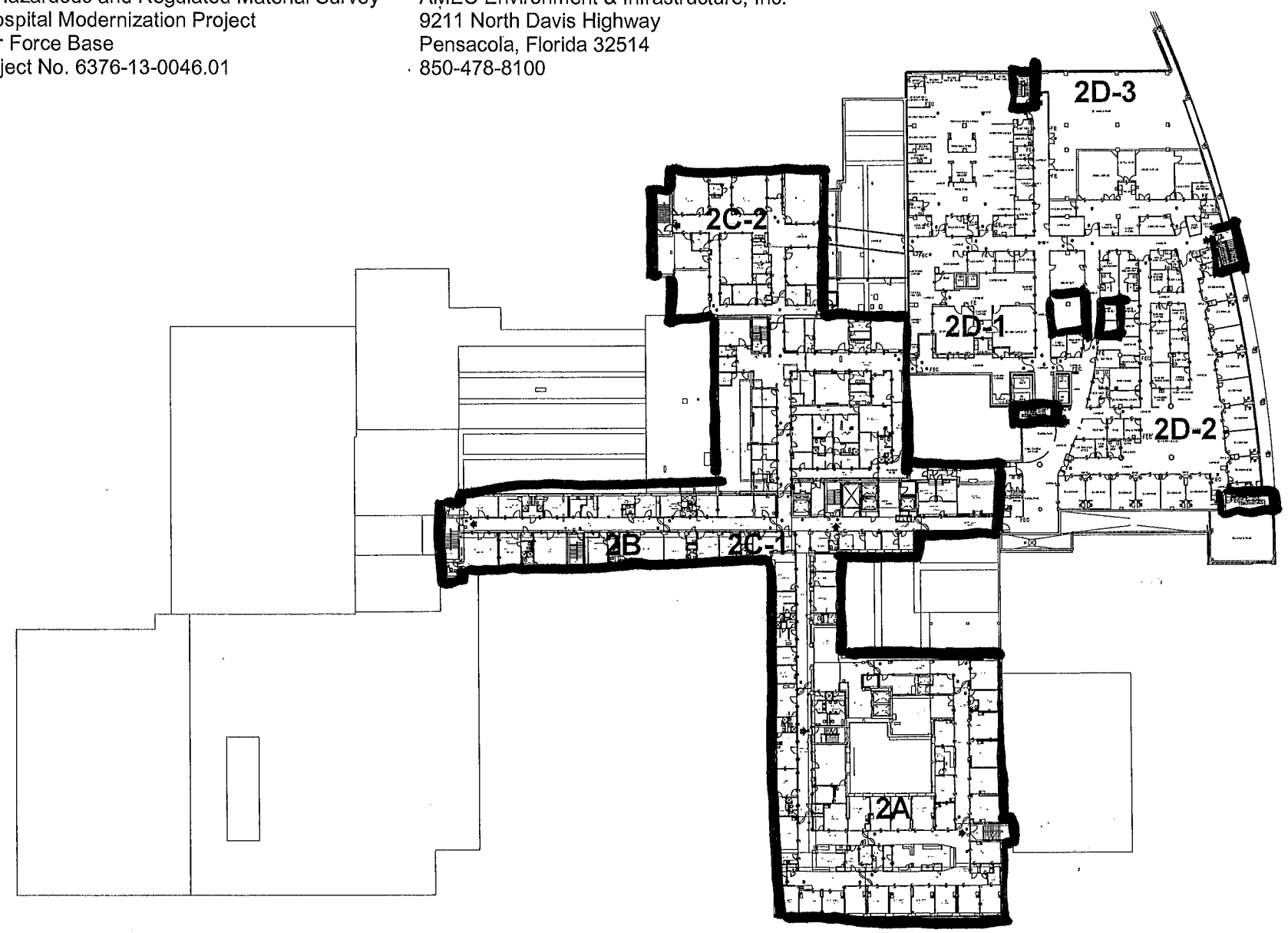
Legend

Boundary of Survey Area

Prepared By: R.J. Brown December 18, 2013

Report of Hazardous and Regulated Material Survey
Keesler Hospital Modernization Project
Keesler Air Force Base
AMEC Project No. 6376-13-0046.01

AMEC Environment & Infrastructure, Inc.
9211 North Davis Highway
Pensacola, Florida 32514
850-478-8100



1 A1.02 2nd Floor Plan - Overall
1" = 30'-0"

HWA Hoefer Wysocki Architects, LLC

JE DUNN+HWA

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CEPW)
RECOMMENDED
CHIEF ENGINEERING BRANCH (CEP)
APPROVED
LASE CHIEF, ENGINEERING DIVISION

ENGINEER/DESIGNER Designed | DATE Date Issued Date | REV
DRAWN BY Drawn By | CHECKED BY Checked | SOLICITATION NUMBER
DESIGN TEAM ____ CEPW ____ CONTRACT NUMBER
SCALE 1" = 30'-0" | LIBRARY AGENCY
Enter Project Status

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

Project Name
PROJECT ADDRESS
2nd Floor Plan - Overall

Sheet Reference Number
A1.02

9/25/2013 10:57:13 AM

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Figure 1D: HRM Survey Location Areas (Building 468)

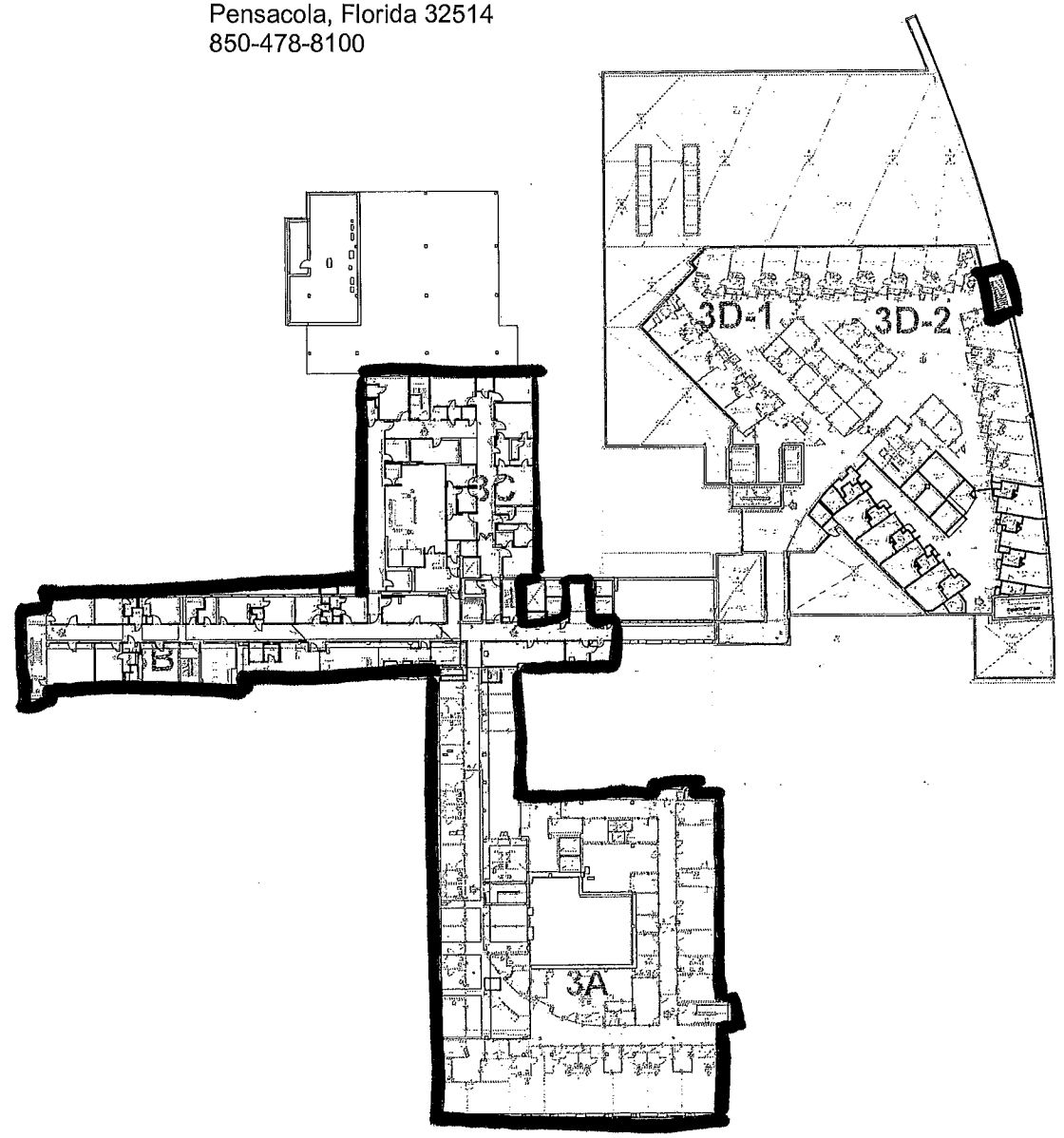
Legend

Boundary of Survey Area

Prepared By: R.J. Brown December 18, 2013

Report of Hazardous and Regulated Material Survey
Keesler Hospital Modernization Project
Keesler Air Force Base
AMEC Project No. 6376-13-0046.01

AMEC Environment & Infrastructure, Inc.
9211 North Davis Highway
Pensacola, Florida 32514
850-478-8100



1 A1.03 3rd Floor Plan - Overall
1" = 30'-0"

HWA Hoefer Wysocki Architects, LLC

JE DUNN+HWA

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION-KEFW
RECOMMENDED
CHIEF ENGINEERING FLIGHT-KEFW
APPROVED
BASE CIVIL ENGINEER/CONTRACTING

DESIGNED/DRAWN BY: Author
DESIGN TEAM
CHECKED BY: Checker
CEFW
DATE: As Shown Date
REV
SOLICITATION NUMBER
CONTRACT NUMBER
SERVICE AGENCY
SCALE: 1"=30'
Enter Project Status

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

Project Name
PROJECT ADDRESS
3rd Floor Plan - Overall

Sheet Reference Number
A1.03

9/25/2013 11:05:07 AM

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Figure 1E: HRM Survey Location Areas (Building 468)

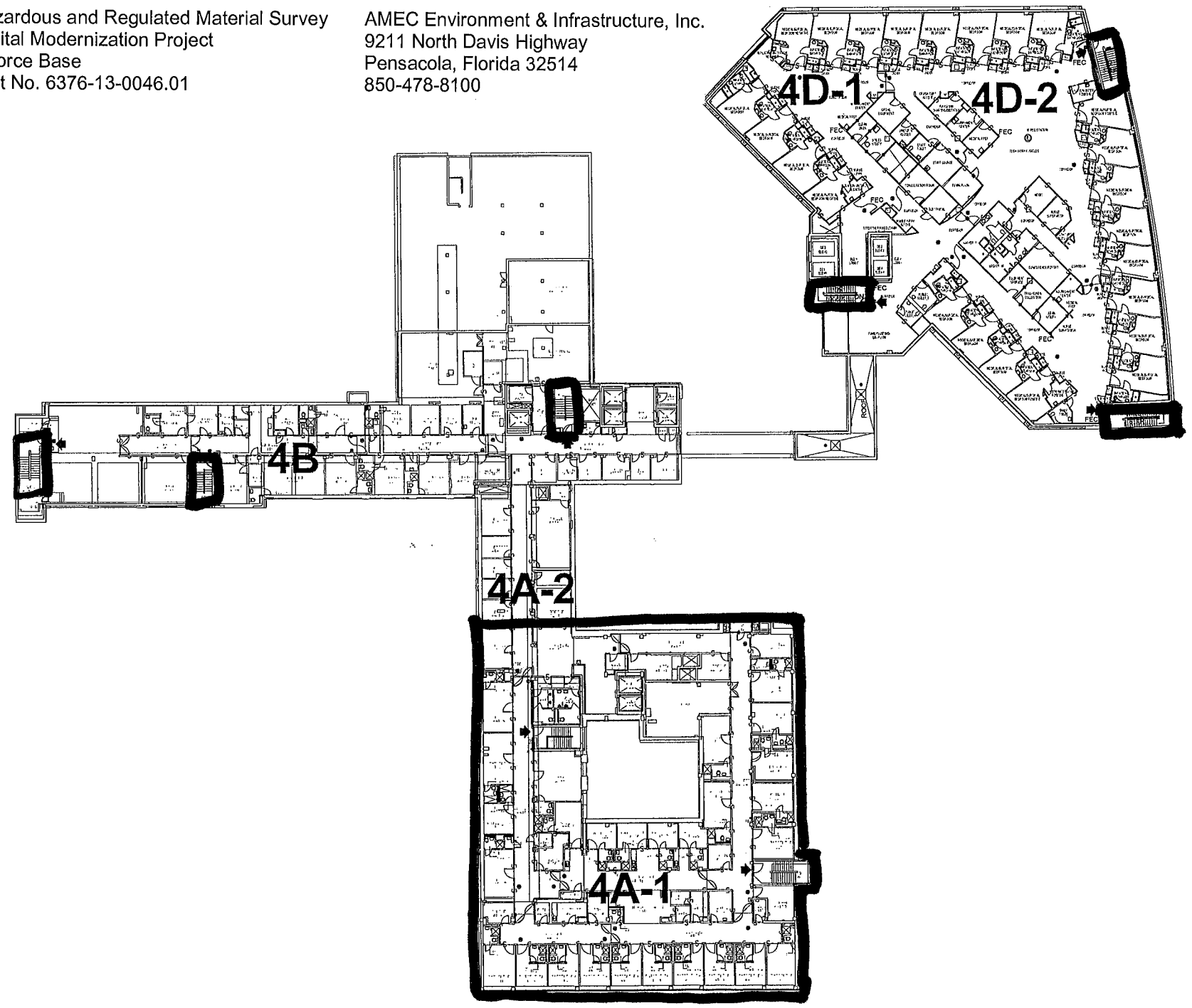
Legend

Boundary of Survey Area

Prepared By: R.J. Brown December 18, 2013

Report of Hazardous and Regulated Material Survey
Keesler Hospital Modernization Project
Keesler Air Force Base
AMEC Project No. 6376-13-0046.01

AMEC Environment & Infrastructure, Inc.
9211 North Davis Highway
Pensacola, Florida 32514
850-478-8100



1 A1.04 4th Floor Plan - Overall
1" = 20'-0"

HWA Hoefer Wysocki Architects, LLC

JE DUNN+HWA

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

Project Name
PROJECT ADDRESS
4th Floor Plan - Overall

Sheet Reference Number
A1.04

9/25/2013 11:10:55 AM

Figure 1F: HRM Survey Location Areas (Building 468)

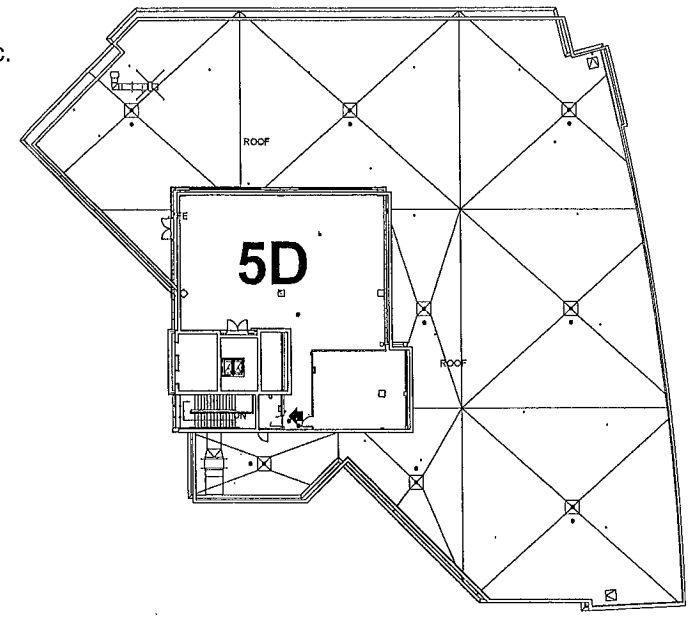
Legend

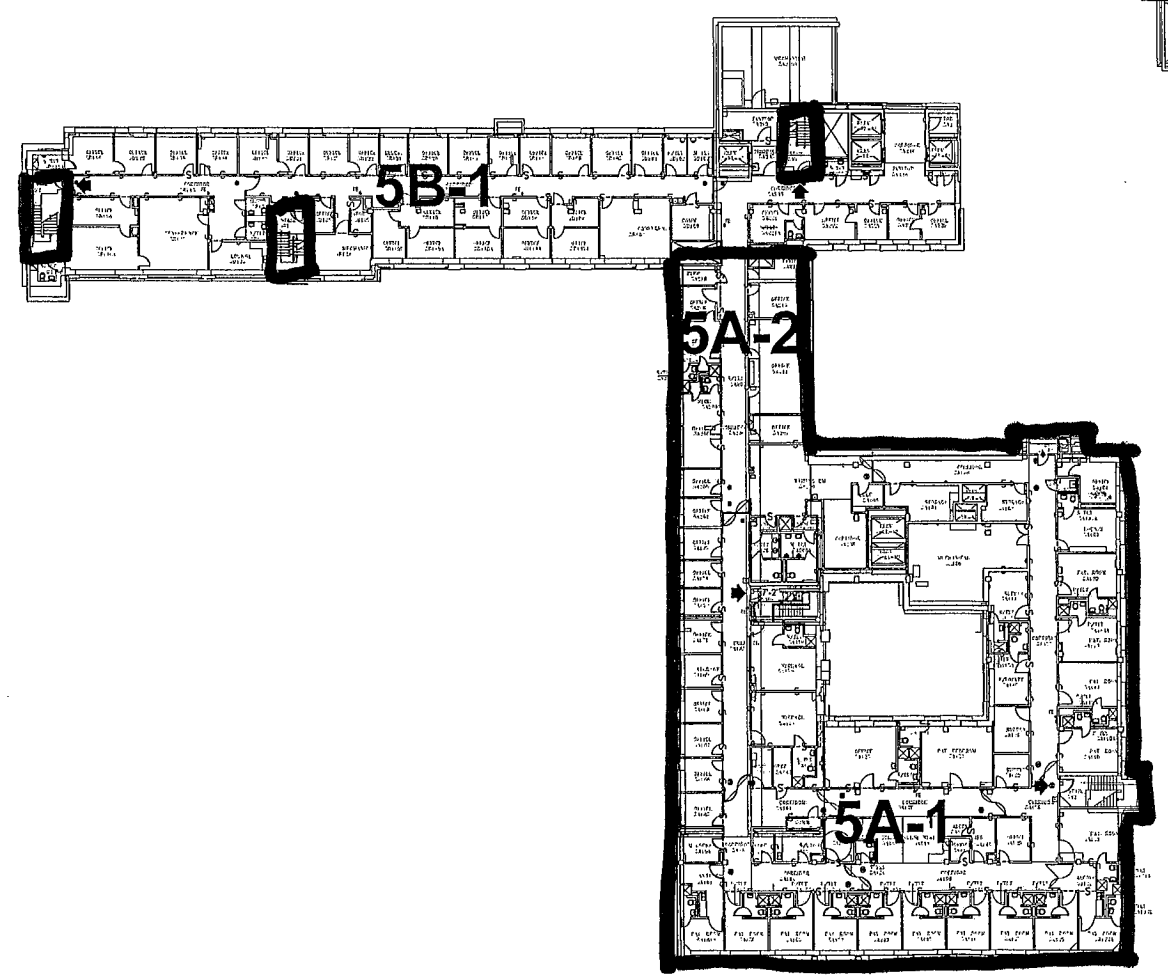
Boundary of Survey Area

Prepared By: R.J. Brown December 18, 2013

Report of Hazardous and Regulated Material Survey
Keesler Hospital Modernization Project
Keesler Air Force Base
AMEC Project No. 6376-13-0046.01

AMEC Environment & Infrastructure, Inc.
9211 North Davis Highway
Pensacola, Florida 32514
850-478-8100





1 A1.05 5th Floor Plan - Overall
1" = 20'-0"

HWA Hoefer Wysocki Architects, LLC

JE DUNN+HWA

Symbol	Description	Tracking No.	Atten	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CEPM)
RECOMMENDED
CHIEF ENGINEERING & CONT. DIV.
APPROVED
MAJ GEN, DISTRICT ENGINEER

ENGINEER/ARCHITECT Designer | DATE Date Issued | REV
Drawn BY | CHECKED BY | SOLICITATION NUMBER
DESIGN TEAM | CEPM | CONTRACT NUMBER
SCALE 1"=20'-0" | SURVEY/ACCT
Enter Project Status

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

Project Name
PROJECT ADDRESS
5th Floor Plan - Overall

Sheet Reference Number
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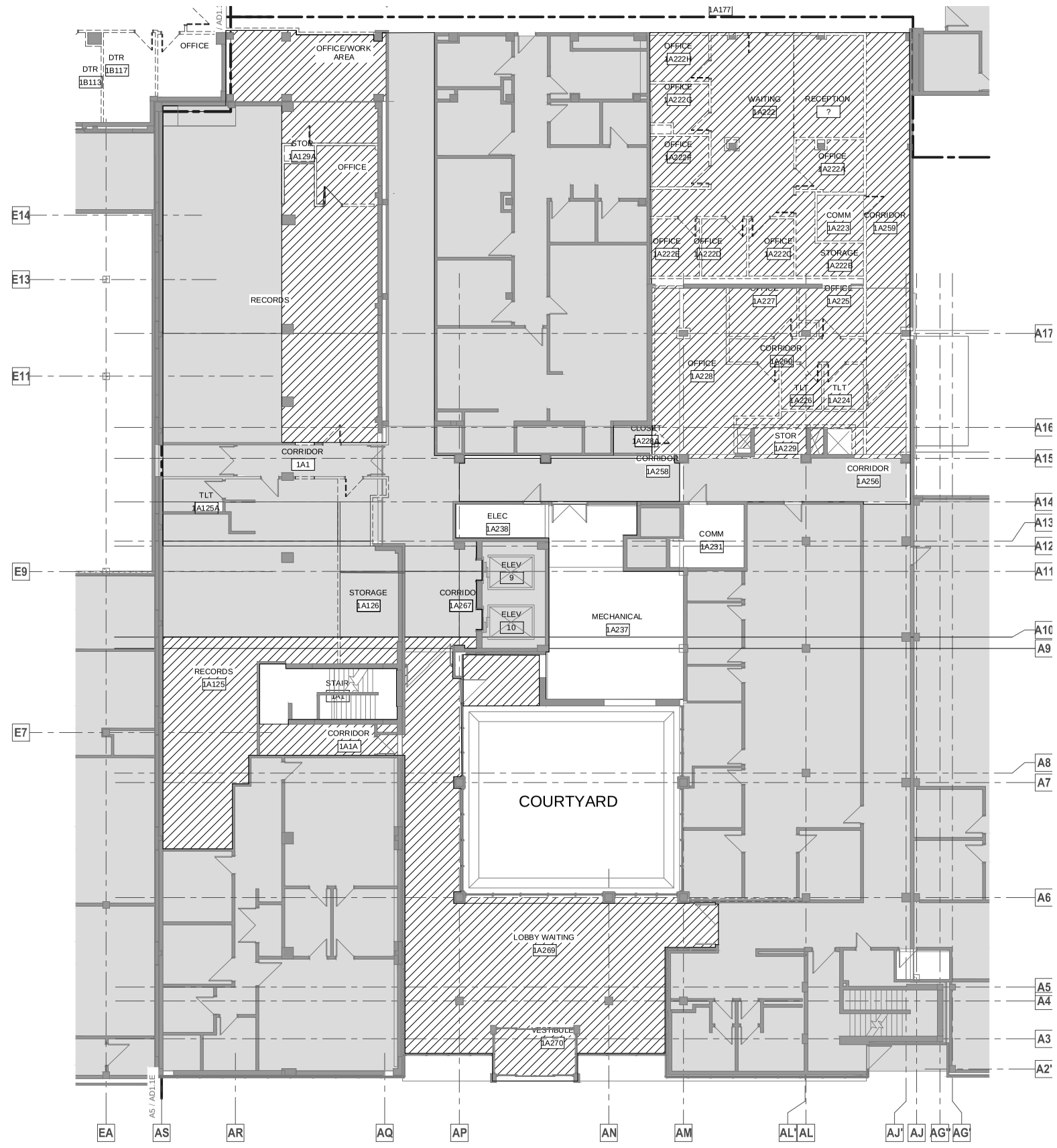


SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.1A
8/27/2012

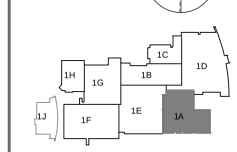
ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA A
1/8" = 1'-0"

0 4' 8' 16'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

PLAN NORTH



Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL REHABILITATION DESIGN BUILD TEAM

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
9211 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: 850-476-0480 FAX: 850-476-0500
PROJECT NO: 6235-12-0464-0

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF, CONTRACTS SECTION (CEPA)
RECOMMENDED
CHIEF, TECHNICAL ENGINEERING (CEP)
APPROVED
PROJECT MANAGER/ENGINEER

ENGINEER/DESIGNER: Hoefer Wysocki	DATE: 4/24/2014	REV:	
DRAWN BY: T. Kim	CHECKED BY: T. Kim	SOLICITATION NUMBER:	
PROJECT TEAM: AMEC	CEPA	CONTRACT NUMBER:	
SCALE: As indicated	USING AGENCY:		

ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA A

001

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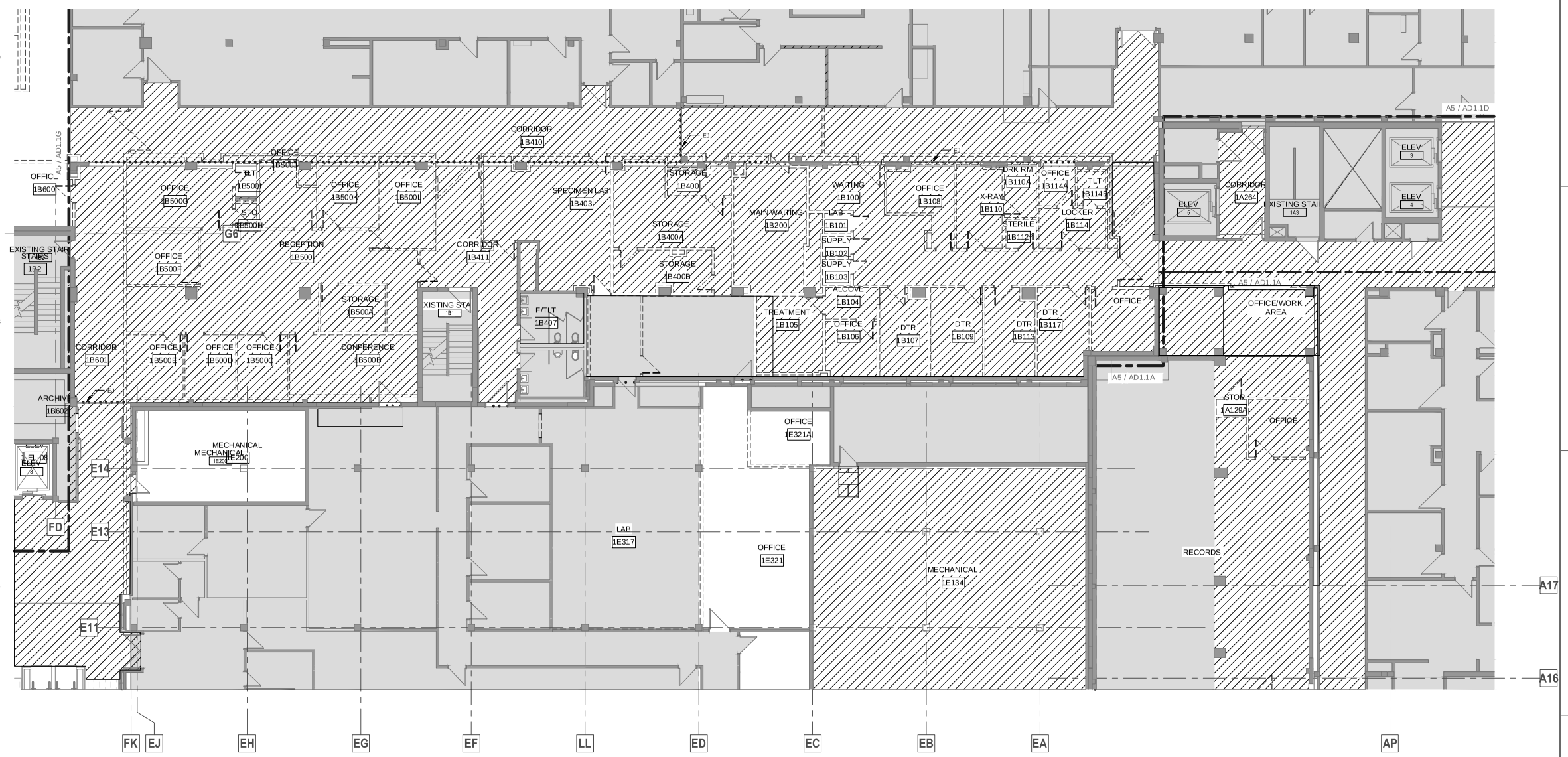


SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.1B
8/27/2012

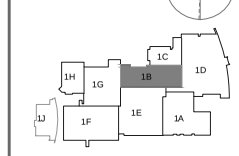
ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA B
1/8" = 1'-0"

0 4' 8' 16'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

PLAN NORTH



HWA
Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL REGATTA DRIVE DORSON RIDGE TEAM

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
5011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: 850-476-0480 FAX: 850-476-0580
PROJECT NO 1234-12-0442

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF, CONTRACTS SECTION (CEPA)
RECOMMENDED
CHIEF, ENGINEERING FLIGHT (CEP)
APPROVED

ENGINEERING DESIGNER: AMEC Environment & Infrastructure
DATE 4/30/2014 REV
DRAWN BY: Thomas Ryan
CHECKED BY: Thomas Ryan
SOLICITATION NUMBER: F-3-PW
CONTRACT NUMBER: CEPA
PERFORMANCE AREA: 4-468
SCALE: 1/8"=1'0"
USING AGENCY: USPFO
ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA B

002

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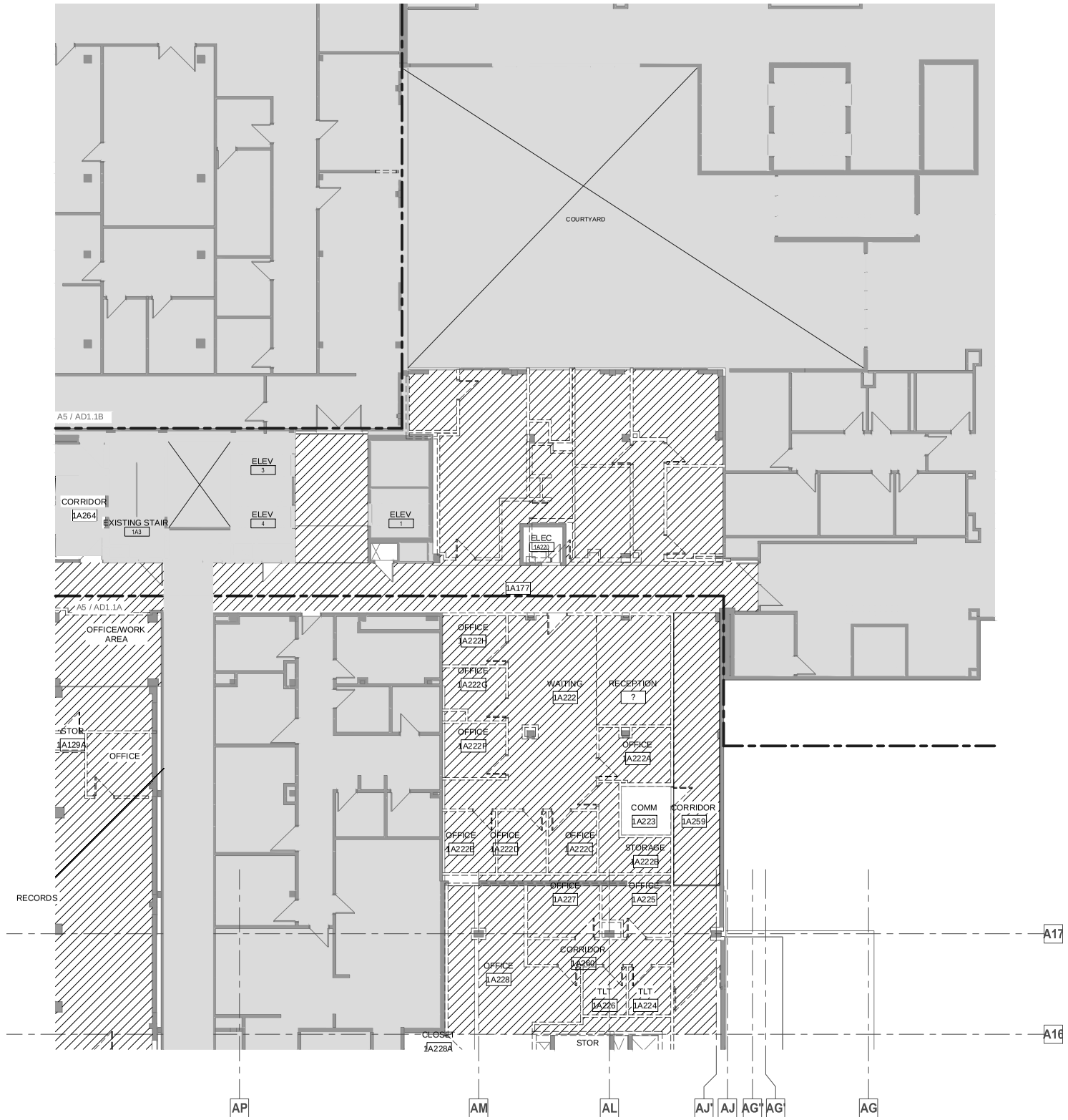
12/10/2013 9:14:02 AM



SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.1D
8/27/2012

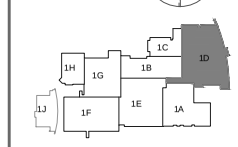
ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA D
1/8" = 1'-0"

0 4' 8' 16'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

PLAN NORTH



HWA
Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL HEALTH CARE DESIGN-BUILD TEAM

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
5011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: 850-476-0480 FAX: 850-476-0560
PROJECT NO: 6254-13-0442

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF, CONTRACTS SECTION (CEPM)
RECOMMENDED
CHIEF, TECHNICAL PROJECT LEAD (CEPT)
APPROVED
CHIEF, DESIGN (CEPD)

ENGINEER/DESIGNER: Hoefer Wysocki Architects
DATE: 4/24/2014
REV:
DRAWN BY: T. Pyle
CHECKED BY: T. Pyle
SOLICITATION NUMBER: TBD
CONTRACT NUMBER: TBD
PROJECT TEAM: AMEC
USING AGENCY: USACE
SCALE: As indicated
ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

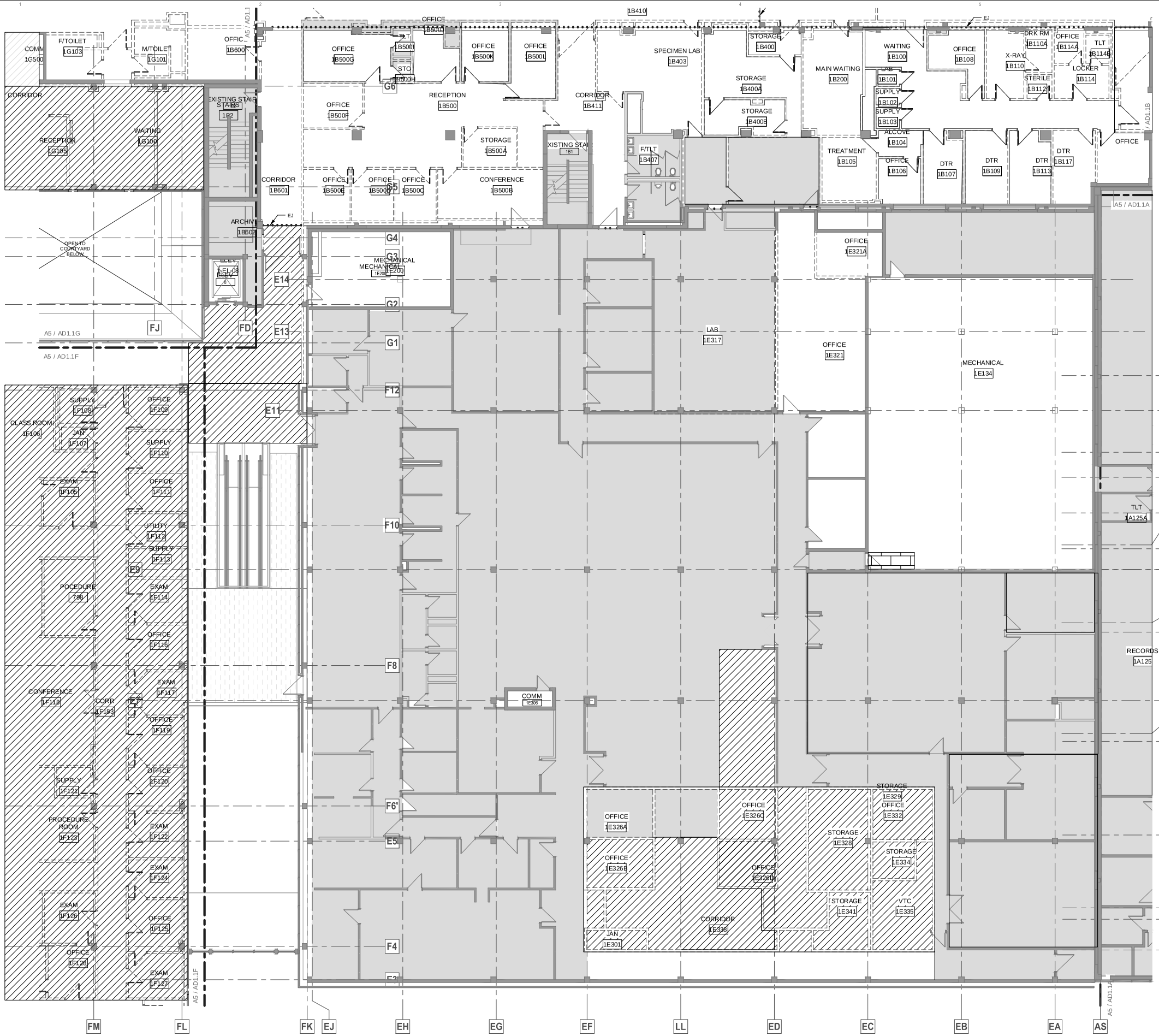
HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA D

003

C:\Users\crzeneke\Documents\34111_A13_MATOC_Keesler_1st_Floor_crzeneke.rvt



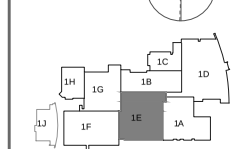
SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.1E
8/27/2012

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA E
1/8" = 1'-0" 0 4' 8' 16'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

PLAN NORTH



Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL REGIONAL MEDIUM & HIGH TECH

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
5011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: (850) 474-1951 FAX: (850) 474-0900
PROJECT NO: 6256-12-0442

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED: CHIEF, CONTRACTS SECTION (CEPA)
RECOMMENDED: CHIEF, TECHNICAL ENGINEERING (CEP)
APPROVED: CHIEF, ENGINEERING DIVISION

ENGINEERING ENDORSEMENT: DATE 4/24/2014 REV
DRAWN BY: CHECKED BY: SOLICITATION NUMBER
CERTIFICATION: CONTRACT NUMBER
AMEC
SCALE: USING AGENCY
ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA E

004

12/10/2013 9:14:11 AM

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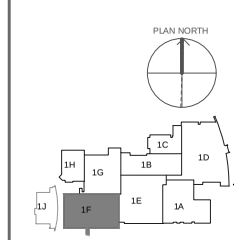
12/10/2013 9:14:19 AM

SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.1F
8/27/2012

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA F
1/8" = 1'-0" 0 4' 8' 16'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER



Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL REGIONAL OFFICE IN DALLAS/FORT WORTH

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
5011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: 850-476-0480 FAX: 850-476-0580
PROJECT NO. 1-CH-1-04-0-0

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CEPA)
RECOMMENDED
CHIEF, TUNNELING FLIGHT (CEP)
APPROVED
ASE OFFICE, ENGINEERING/CONTY

ENGINEERING/DESIGN		DATE	REV
PROJECT ENGINEER		4/30/2014	
DRAWN BY	CHECKED BY	SOLICITATION NUMBER	
K. Kerr	K. Kerr		
DESIGN TEAM		CONTRACT NUMBER	
AMEC			
SCALE		USING AGENCY	
As shown			

ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

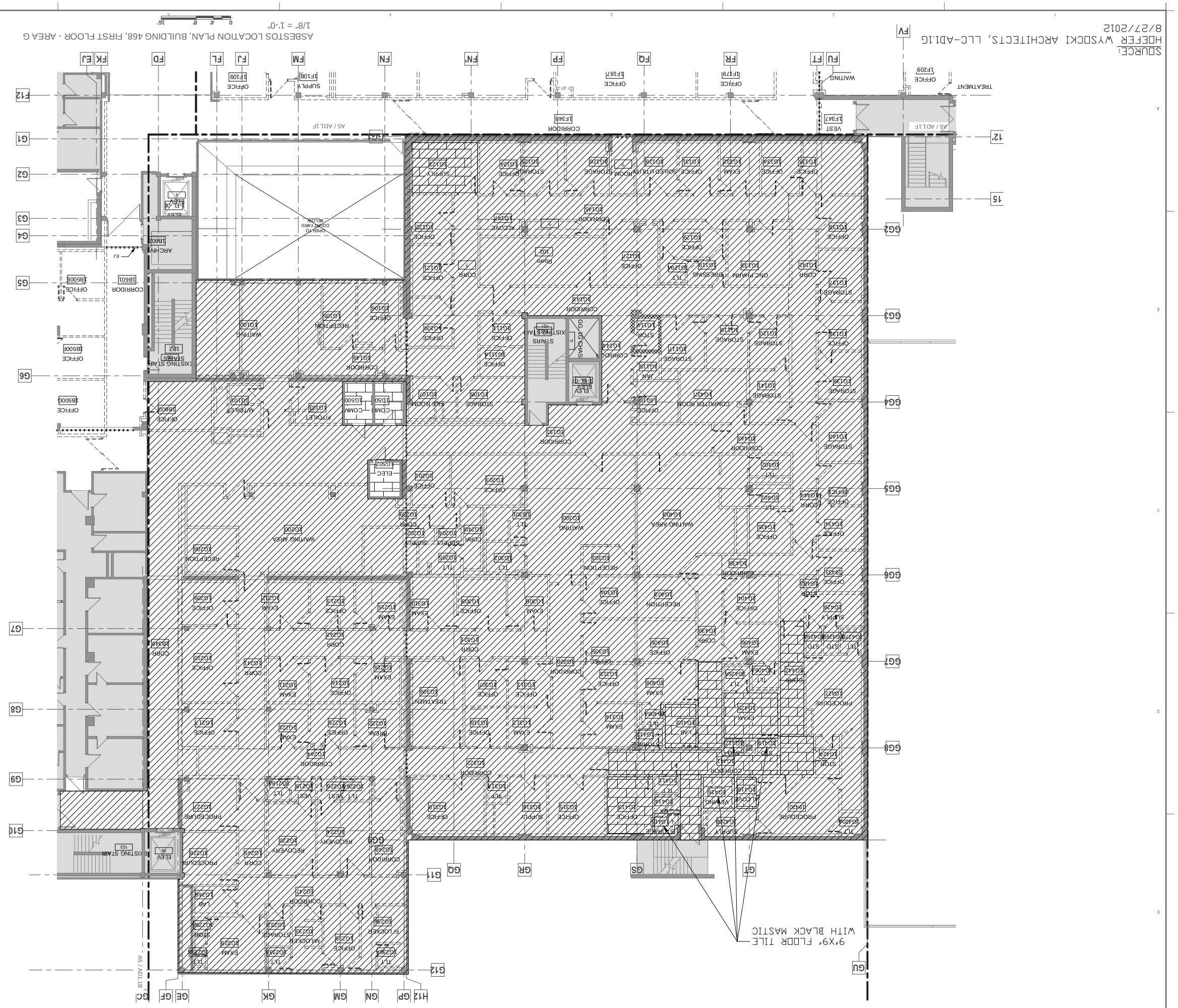
HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA F

005

C:\Users\krzanek\Documents\34111_A13_IMATOC_Keesler_1st_Floor_crzanek.rvt



PLAN NORTH

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

Symbol	Description	Tracking No.	Action	Date

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FIRST FLOOR - AREA G

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

ENGINEER/ARCHITECT: Hoefer Wysocki Architects, LLC
DRAWN BY: | CHECKED BY: | DATE: 4/26/2014 | REV:
DESIGN TEAM: AMEC | CSTV | SOLICITATION NUMBER:
CONTRACT NUMBER:
SCALE: As shown | USACE AGENCY:

ASBESTOS LOCATION PLAN

CHIEF CONTRACTS SECTION (CCSM) RECOMMENDED
CHIEF DESIGN BRANCH (CDB) RECOMMENDED
CHIEF CONSTRUCTION DIVISION (CCD) APPROVED
CHIEF, CONTRACTS DIVISION (CTD) APPROVED

RECOMMENDED

HWA Hoefer Wysocki Architects, LLC

JE DUNN + HWA

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
6011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32504-7337
PH: 850-478-9761 FX: 850-476-0900
www.amec.com

900

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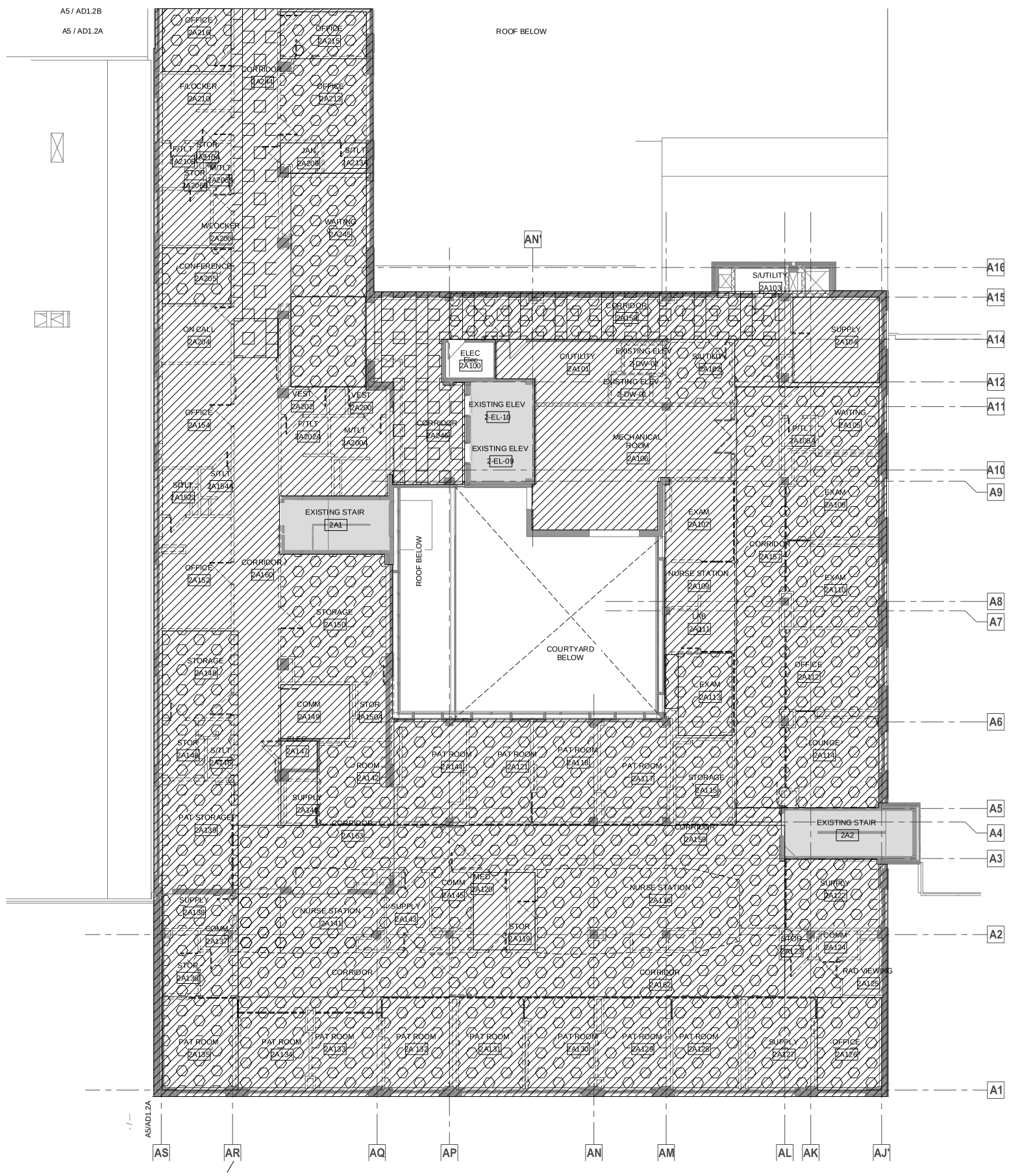
12/10/2013 9:22:15 AM



SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.2A

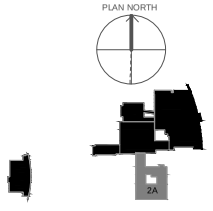
ASBESTOS LOCATION PLAN, BUILDING 468, SECOND FLOOR - AREA A
1/8" = 1'-0"

0 16' 32' 64'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

PLAN NORTH



Hoefer Wysocki Architects, LLC

JE DUNN + HWA

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
5011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32503
PH: (850) 479-9700 FX: (850) 479-9990
PROJECT NO. 6154-13-00842

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CEPN)
RECOMMENDED
CHIEF ENGINEERING DIVISION (CEPE)
APPROVED
CHIEF, PLANNING & PROJECT MANAGEMENT DIVISION (CEPP)

ENGINEER DESIGNER: Jeffrey Bowen
DRAWN BY: Jeffrey Bowen
CHECKED BY: Jeffrey Bowen
DATE: 4/25/2011
REV:
DESIGN TEAM: AMEC
CEPN:
SOLICITATION NUMBER:
CONTRACT NUMBER:
SCALE: As Noted
USING AGENCY:
ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, SECOND FLOOR - AREA A

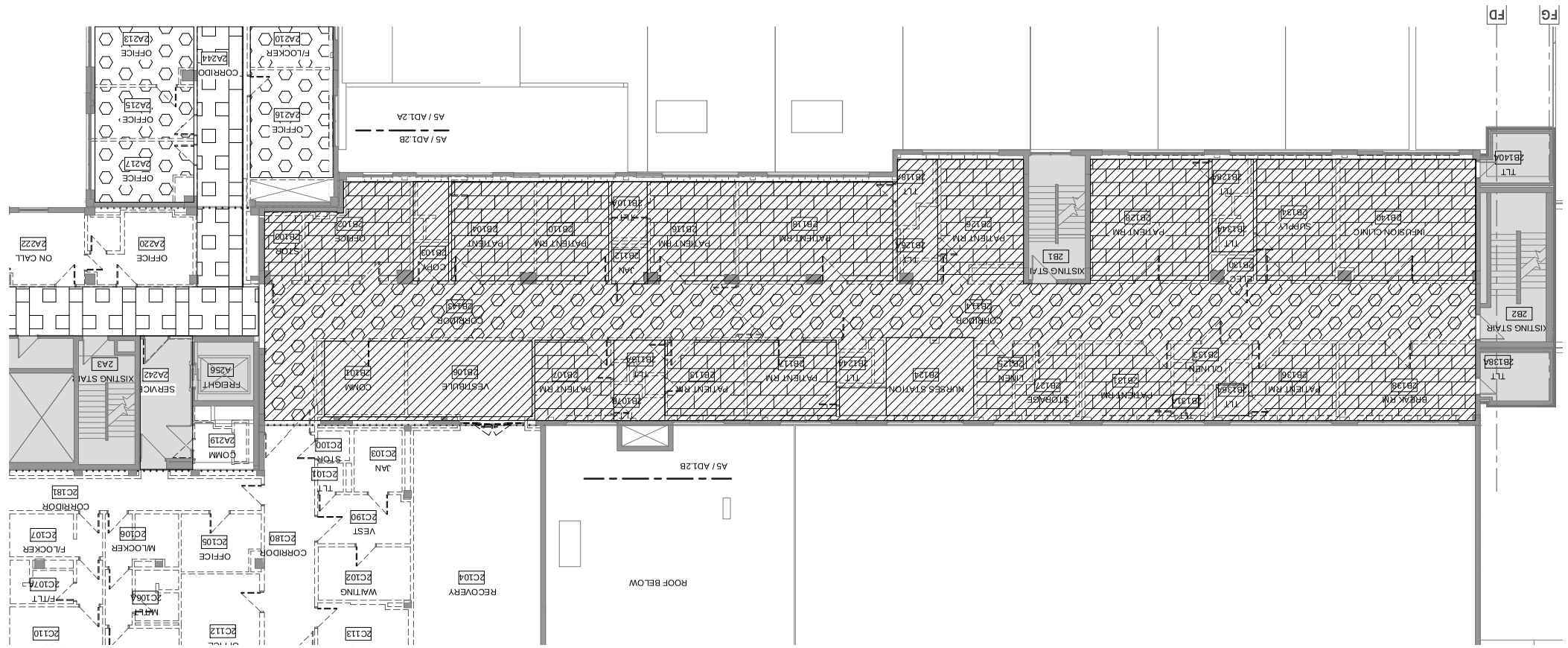
007

C:\Users\scrawford\Documents\24111_A13_MATOC_Keesler_2nd_Floor_crawford.rvt

SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.2B
8/27/2012

ASBESTOS LOCATION PLAN, BUILDING 468, SECOND FLOOR - AREA B
1/8" = 1'-0"

0 16' 32' 64'



PLAN NORTH

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

008

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, SECOND FLOOR - AREA B

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

ENGINEER/ARCHITECT: Hoefer Wysocki
DATE: 4/26/2014 REV
DRAWN BY: J. Hoefer
CHECKED BY: J. Hoefer
SOLICITATION NUMBER:
CONTRACT NUMBER:
CONTRACTOR:
USING AGENCY:
FILE NAME: 468-AD1.2B-Asbestos.dwg

ASBESTOS LOCATION PLAN

RECOMMENDED: CHIEF, CONTRACTS SECTION (CEPM)
RECOMMENDED: CHIEF, CONTRACTS DIVISION (CEP)
APPROVED: CHIEF, PROJECTS DIVISION (CEP)
NAME DATA ENGINEER/SPECIALIST

Symbol	Description	Tracking No.	Action	Date

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
9211 NORTH CYRIS HIGHWAY
LITTLE ROCK, ARKANSAS 72116-5460
Ph: (501) 219-2700 Fx: (501) 219-2999
www.amec.com

JE DUNN + HWA
NATIONAL RESEARCH CENTER FOR WOMEN & CHILDREN

HWA
Hoefer Wysocki Architects, LLC

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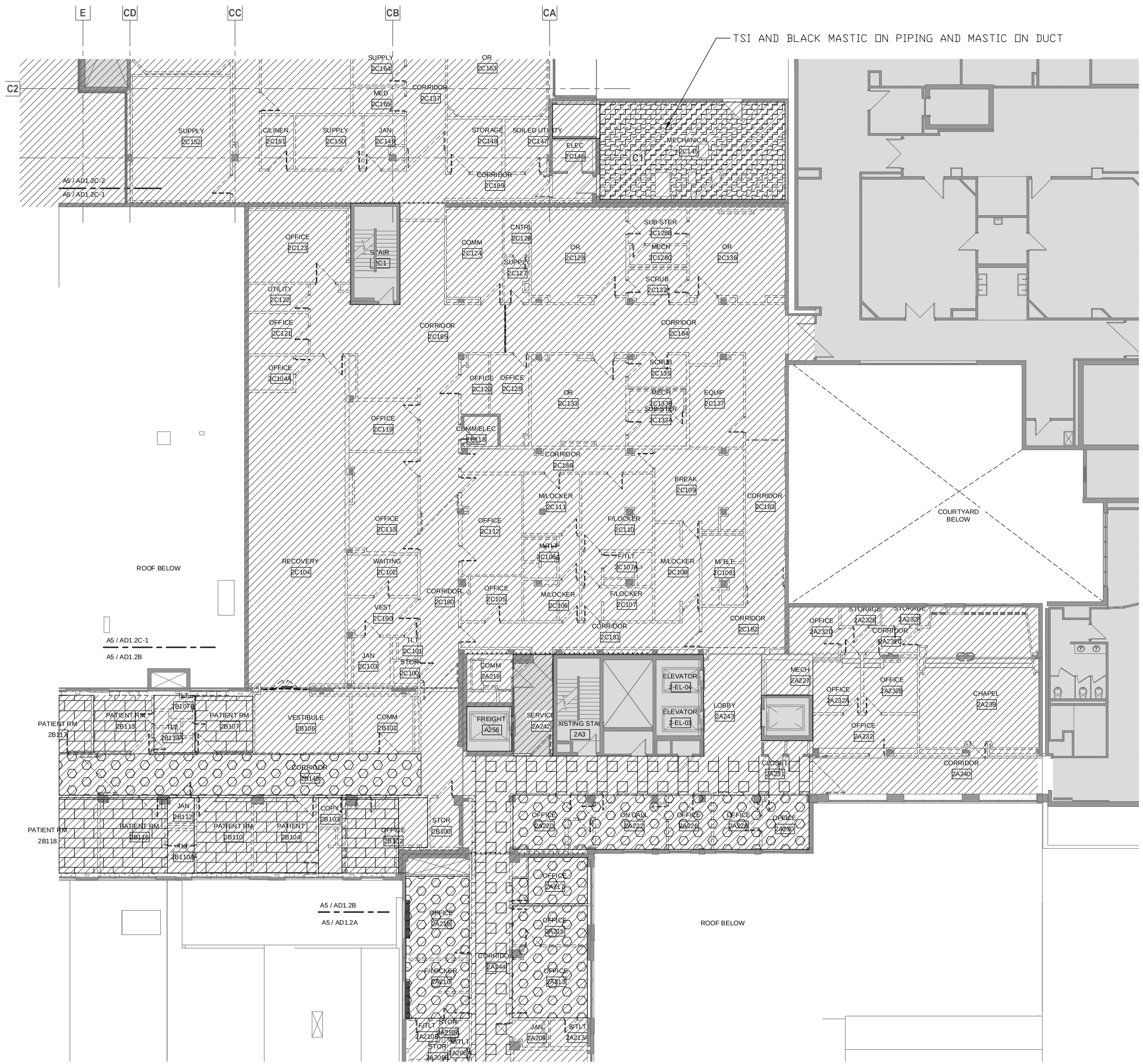


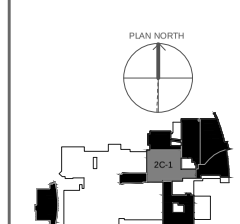
SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.2C-1
8/27/2012

ASBESTOS LOCATION, PLAN BULDING 468, SECOND FLOOR - AREA C-1
1/8" = 1'-0"

0 16' 32' 64'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER



HWA
Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL REALTY & NEW DEVELOPMENT DIVISION

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
9211 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: (850) 476-0480 FAX: (850) 476-0500
PROJECT NO. 6235-12-0464.02

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CEPM-I)
DATE
RECOMMENDED
CHIEF, TVA/BULLARD FLEET (CEPI-IMP-TVA)
DATE
REV
2/25/2014
SOLICITATION NUMBER
CONTRACT NUMBER
USACE AFA ENGINEERS/ARCHITECT
ENGINEERS/ARCHITECT
DRAWN BY: Brian Fisher
CHECKED BY: Brian Fisher
ESTIMATOR: AMEC
CEPK
SCALE: Not to scale
USACE AGENCY
ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

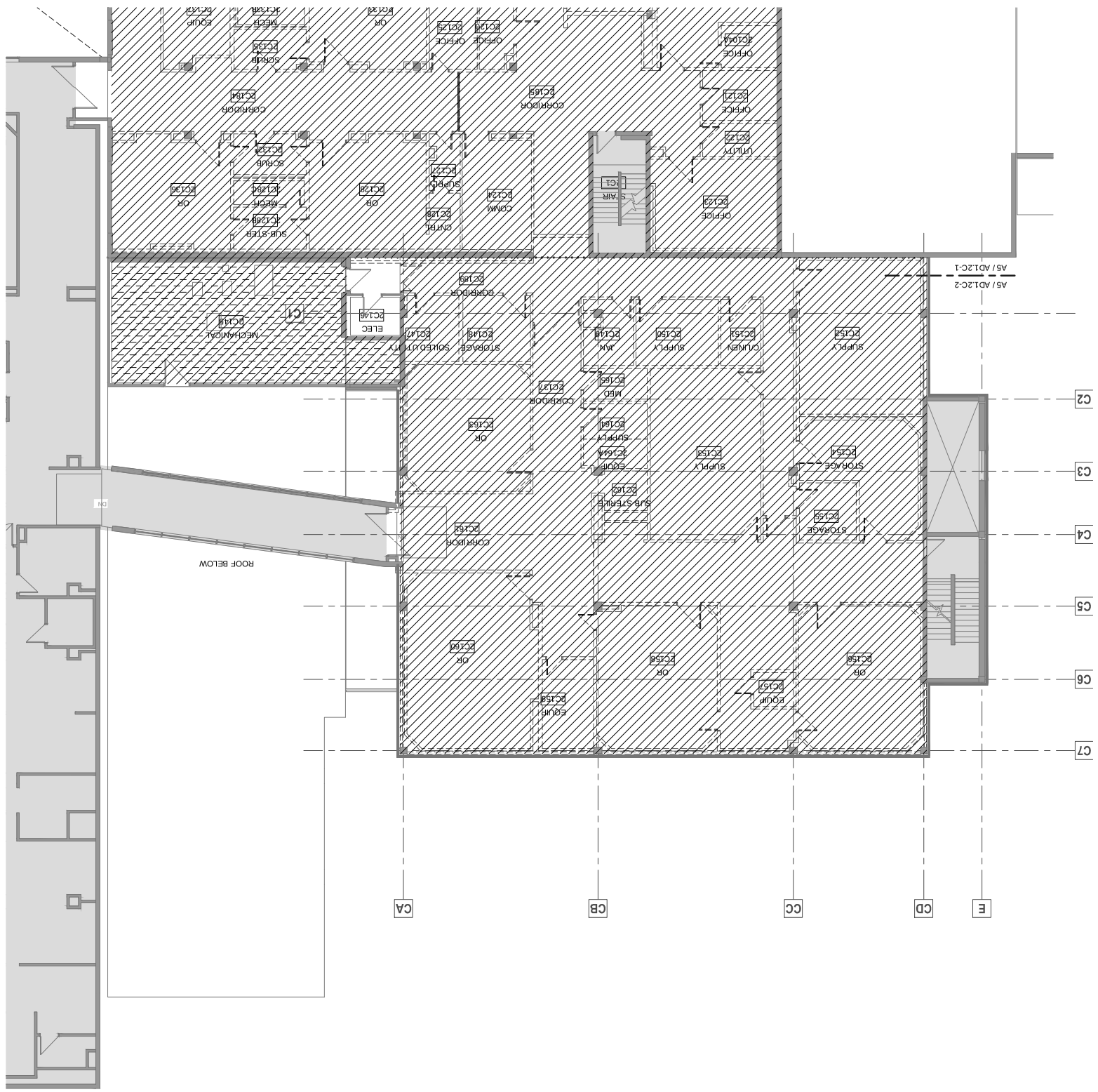
ASBESTOS LOCATION PLAN, BUILDING 468, SECOND FLOOR - AREA 2C-1

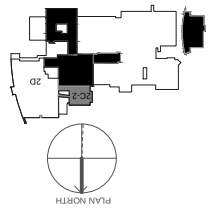
009

C:\Users\cranew\Documents\34111_A13_MATOC_Keesler_2nd_Floor_cranew.rvt

SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.2C-2
8/27/2012

ASBESTOS LOCATION PLAN, BUILDING 468, SECOND FLOOR - AREA C-2
1/8" = 1'-0"





ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

010

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468,
SECOND FLOOR - AREA C-2

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

ENGINEER/ARCHITECT: Hoefer Wysocki Architects, LLC
DRAWN BY: J. Dunn
CHECKED BY: J. Dunn
DATE: 4/26/2014
REV:
PROJECT LEAD: Hoefer Wysocki
CEPW
SOLICITATION NUMBER:
CONTRACT NUMBER:
USACE Representative:
AMEC
USACE AGENCY:

ASBESTOS LOCATION PLAN

RECOMMENDED:
CHIEF, CONTRACTS SECTION (CEPM)
RECOMMENDED:
CHIEF, PLANNING DIVISION (CEPD)
APPROVED:
CHIEF, PROJECT MANAGEMENT DIVISION (CEPP)
MAJOR, EN, ENGINEER DISTRICT

Symbol	Description	Tracking No.	Archive	Date

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
9211 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: (850) 478-5100 FAX: (850) 478-0960
PROJECT NO. 6179-13-0001

JE DUNN + HWA
NATIONAL BUILDING SOLUTIONS

HWA
Hoefer Wysocki Architects, LLC

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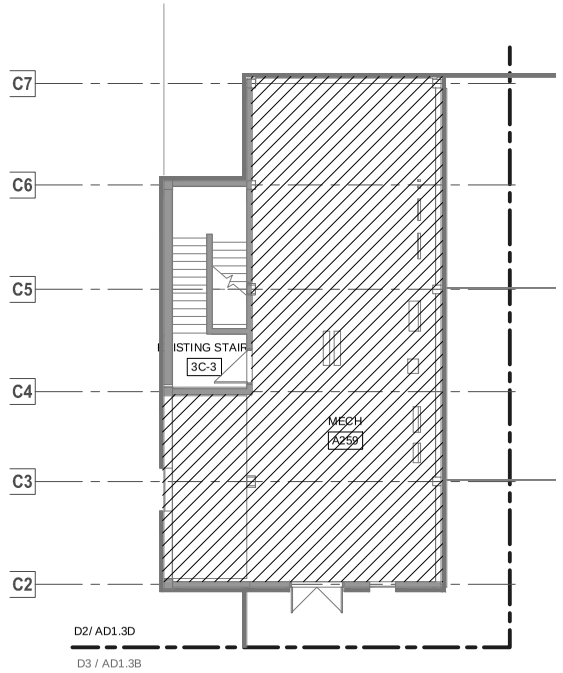
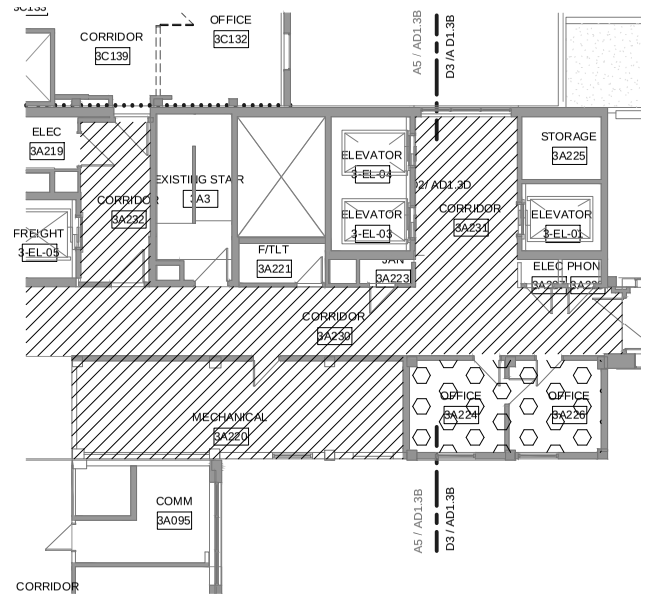
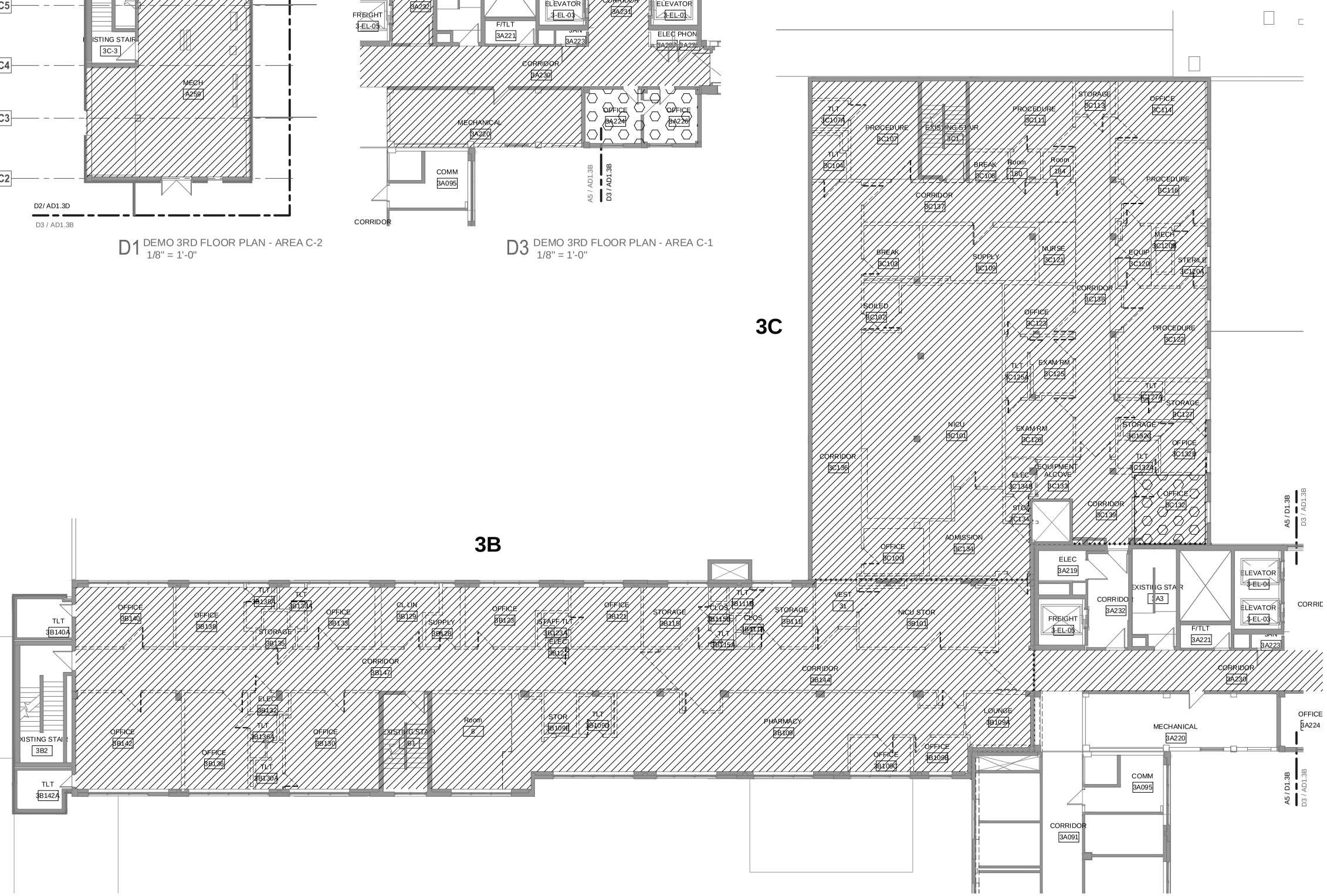
12/10/2013 9:38:43 AM



D1 DEMO 3RD FLOOR PLAN - AREA C-2
1/8" = 1'-0"



D3 DEMO 3RD FLOOR PLAN - AREA C-1
1/8" = 1'-0"

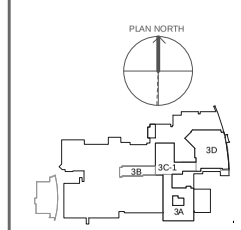


SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.3B
8/27/2012

ASBESTOS LOCATION PLAN, BUILDING 468, THIRD FLOOR - AREA B,C-1, AND C-2
1/8" = 1'-0"
0 4' 8' 16'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER



HWA Hoefer Wysocki Architects, LLC

JE DUNN + HWA

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
5011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: 850-477-9860 FAX: 850-476-0580
PROJECT NO 1-CR-1-0A-0

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CEPM)
RECOMMENDED
CHIEF, TECHNICAL ENGINEERING (CEP)
APPROVED
CASE OFFICE, ENGINEERING DIVISION

ENGINEER DESIGNER: Jeffrey Lamar
DATE 4/25/2014
REV
DRAWN BY: Chris Keisler
CHECKED BY: Tom Fisher
SOLICITATION NUMBER
PROJECT TEAM: AMEC, HWA
CEPM
CONTRACT NUMBER
SCALE: As noted
USING AGENCY
ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

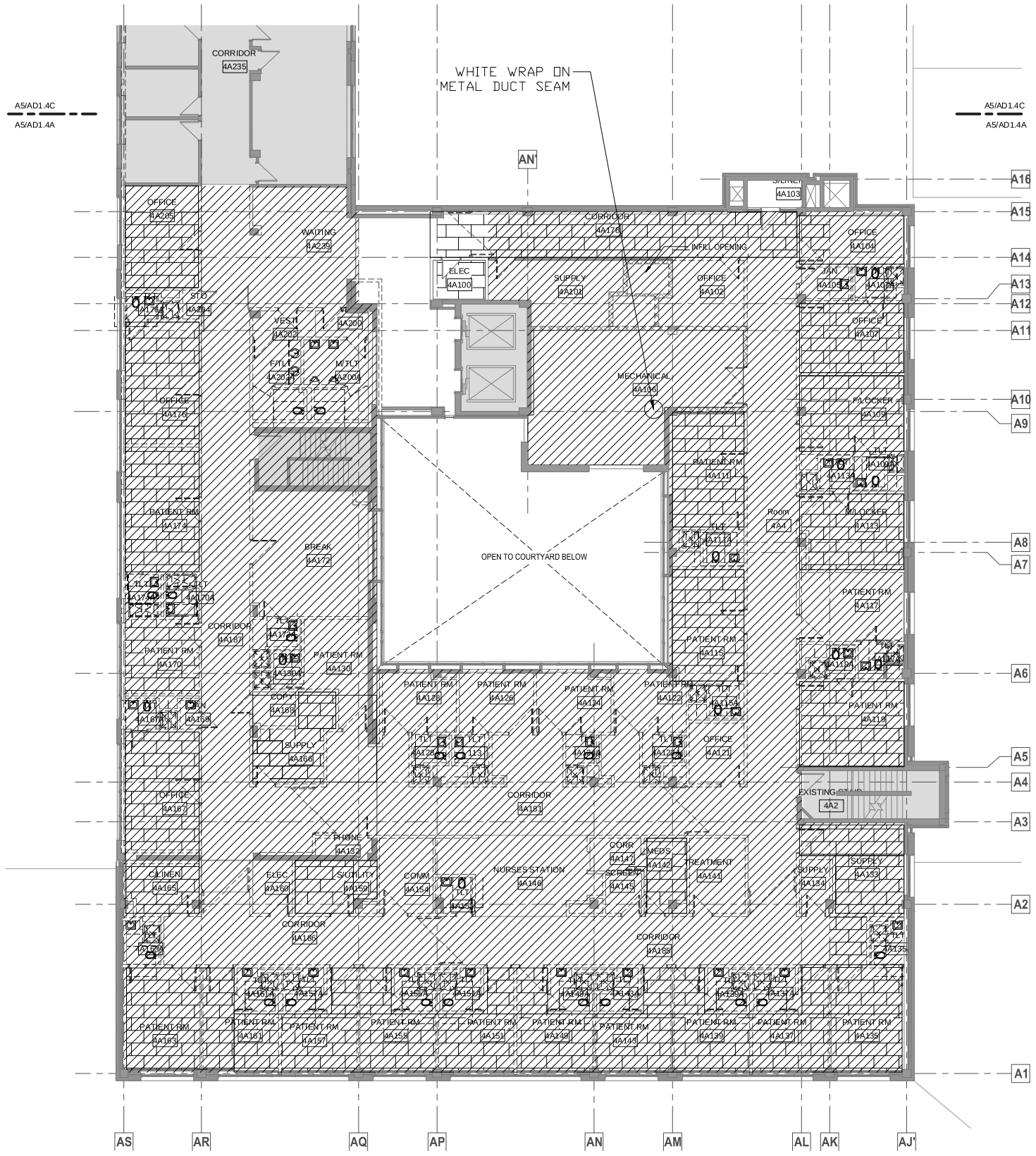
HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, THIRD FLOOR - AREA B, C-1, AND C-2

011

C:\Users\ckeisler\Documents\34111_A13_MATOC_Keesler_3rd_Floor_ckeisler.rvt



SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-AD1.4A
8/27/2012

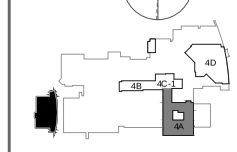
ASBESTOS LOCATION PLAN, BUILDING 468, FOURTH FLOOR - AREA A
1/8" = 1'-0"

0 16' 32' 64'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER

PLAN NORTH



HWA
Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL HEALTH CARE DESIGN BUILD TEAM

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
5011 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32503
PHONE: (850) 476-0480 FAX: (850) 476-0660
PROJECT NO. 6251-12-0484-01

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CEPM) RECOMMENDED
CHIEF, ENGINEERING FIELD IT (CEP) APPROVED
BASE CIVIL ENGINEER/DPW

ENGINEERING/DESIGNER		DATE 4/26/2014	REV
DRAWN BY Jeffrey Shaw	CHECKED BY Jeffrey Shaw	SOLICITATION NUMBER	
CERTIFICATE AMEC	CERTIFICATE	CONTRACT NUMBER	
SCALE As noted		USING AGENCY JOINT	

ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FOURTH FLOOR - AREA A

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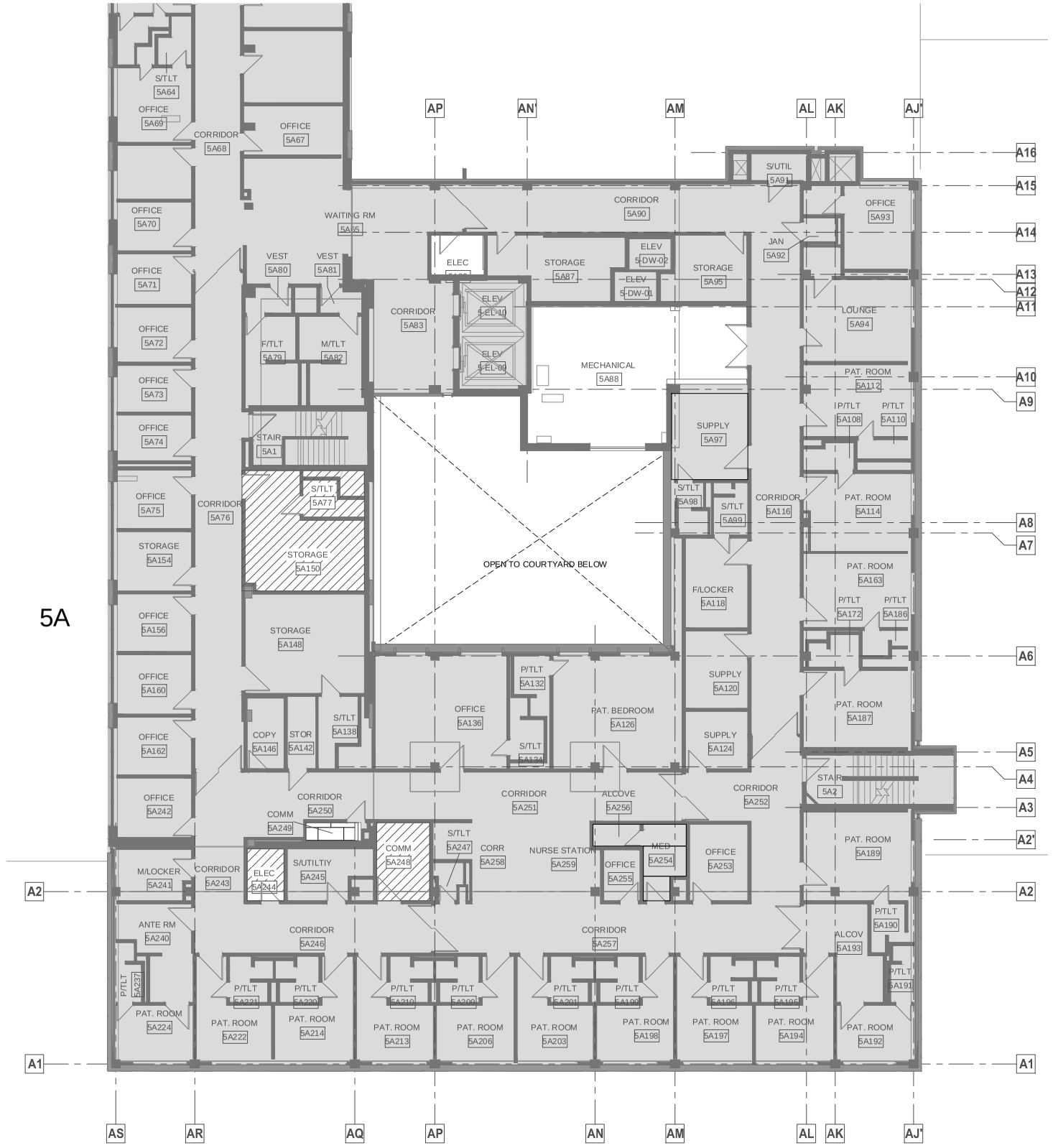
12/19/2013 2:15:52 PM

5A

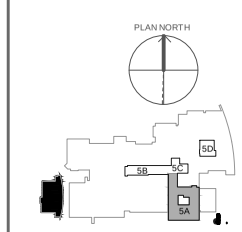


SOURCE:
HOEFER WYSOCKI ARCHITECTS, LLC-A1.5A
8/27/2012

ASBESTOS LOCATION PLAN, BUILDING 468, FIFTH FLOOR - AREA A
1/8" = 1'-0"
0 4' 8' 16'

ASBESTOS CONTAINING MATERIAL LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM
- 1A1 ROOM NUMBER



Hoefer Wysocki Architects, LLC

JE DUNN + HWA
NATIONAL HEALTH CARE DESIGN-BUILD TEAM

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
9211 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: 850-478-9595 FAX: 850-478-9700
PROJECT NO: 6251-12-0446-0

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CFM)
RECOMMENDED
CHIEF, TECHNICAL ENGINEERING (CEP)
APPROVED
CASE OFFICE, ENGINEERING DIVISION

ENGINEERING DESIGNER: Hoefer Wysocki
DATE 4/26/2014
REV
DRAWN BY: Hoefer Wysocki
CHECKED BY: Hoefer Wysocki
SOLICITATION NUMBER
DESIGN TEAM: AMEC
CEPM
CONTRACT NUMBER
SCALE: As noted
LISTING AGENCY
ASBESTOS LOCATION PLAN

U.S. ARMY CORPS OF ENGINEERS
LITTLE ROCK DISTRICT
LITTLE ROCK, ARKANSAS

HOEFER WYSOCKI ARCHITECTS

KEESLER HOSPITAL MODERNIZATION
301 FISHER ST., KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN, BUILDING 468, FIFTH FLOOR - AREA A

013

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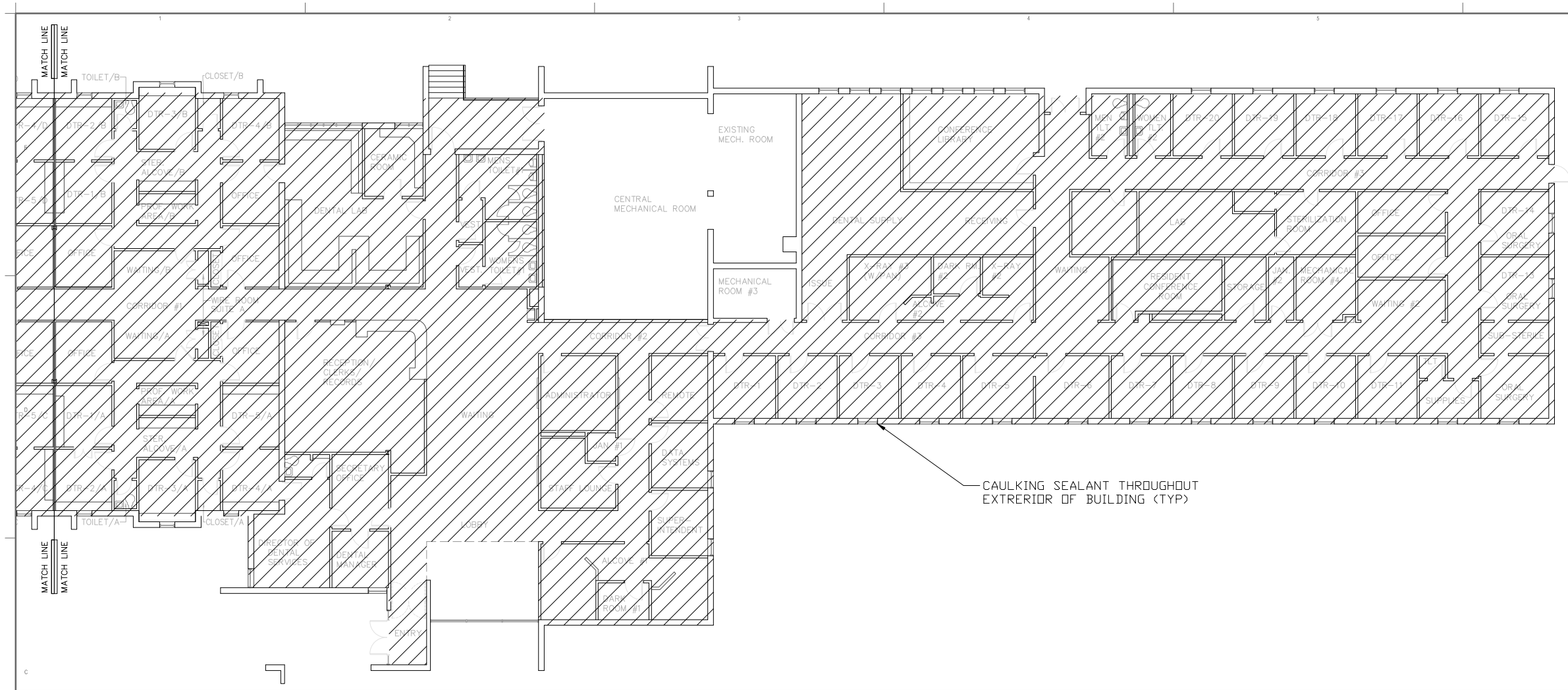

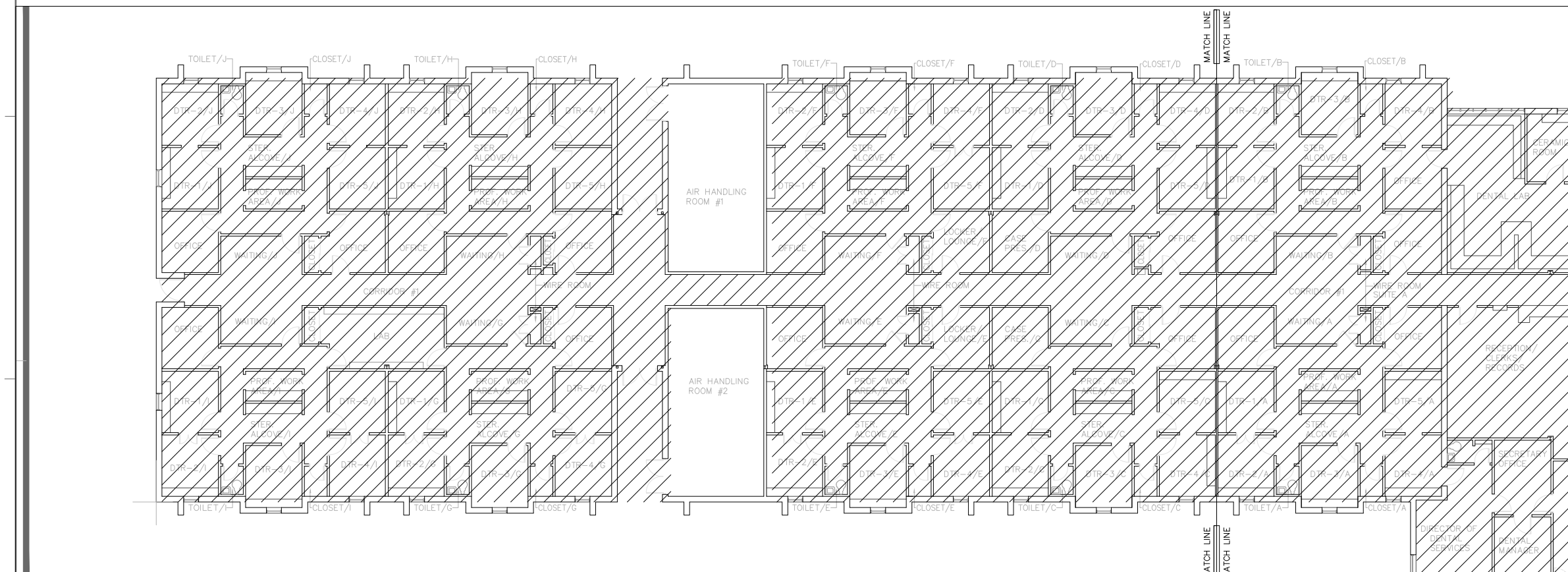

SOURCE:
TAG ARCHITECTS GROUP/INC., DRAWING NUMBER 0824-6, 7/23-93

ASBESTOS LOCATION PLAN, BUILDING 8024
1/8" = 1'-0"

ASBESTOS REMOVAL PLAN LEGEND

- BLACK, BEIGE, WHITE, BROWN DUCT MASTIC
- 9" X 9" FLOOR TILE WITH BLACK MASTIC
- 12"X12" FLOOR TILE (NO MASTIC)
- 12"X12" FLOOR TILE WITH BLACK MASTIC
- ROLL SHEET
- THERMAL SYSTEM INSULATION
- BLACK MASTIC
- NOT IN SCOPE
- WHITE WRAP ON METAL DUCT SEAM

N

amec
AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
9211 NORTH DAVIS HIGHWAY
PENSACOLA, FLORIDA 32514
PH: 850-478-9659 FAX: 850-478-9593
PROJECT NO: 6255-13-0444-0

Symbol	Description	Tracking No.	Action	Date

RECOMMENDED
CHIEF CONTRACTS SECTION (CPM)
RECOMMENDED
CHIEF, TUCSON-LIBERTY FLIGHT (CEP)
APPROVED
CHIEF, ENGINEERING DIVISION
APPROVED

ENGINEERING/ESA/CP	DATE 4/30/2014	REV	
DRAWN BY Chad Stewart	CHECKED BY Chad Stewart	SOLICITATION NUMBER	
ESA PM Ed Ferguson	CEPM	CONTRACT NUMBER	
SCALE As noted		USING AGENCY	

ASBESTOS LOCATION PLAN

THE ARCHITECTS GROUP/INC.
710 DOWNTOWNER BOULEVARD
MOBILE, ALABAMA

DENTAL CLINIC
BUILDING 8024, KEESLER AFB, MS 39534

ASBESTOS LOCATION PLAN

014

12/19/2013 2:15:52 PM

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APPENDIX B
TABLES

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	1st Floor Room 1A206	1A-4B	Black Duct Mastic	**5 % Chrysotile**	730	Good	Category I Non-Friable	Class II
468	1st Floor Lobby Area in 1A	1A-12A	White Duct Mastic	**15% Chrysotile**	80	Good	Category I Non-Friable	Class II
468	1st Floor Lobby Area in 1A	1A-12B	White Duct Mastic	**15% Chrysotile**	Included in 1A-12A	Good	Category I Non-Friable	Class II
468	1st Floor Hallway near Double Door to Stairs 1B1	1B-3A	Black Duct Mastic	**10% Chrysotile**	600	Good	Category I Non-Friable	Class II
468	1st Floor Hallway by Room 1G109	1G-3A	White Duct Mastic	**5 % Chrysotile**	300	Good	Category I Non-Friable	Class II
468	1st Floor Hallway by Room 1G129	1G-3B	White Duct Mastic	**5 % Chrysotile**	Included in 1G-3A	Good	Category I Non-Friable	Class II
468	1st Floor Hallway by Room 1G415	1G-3C	White Duct Mastic	**5 % Chrysotile**	Included in 1G-3A	Good	Category I Non-Friable	Class II
468	1st Floor Hallway by Elevator # 7	1G-4A	Black Duct Mastic	**10% Chrysotile**	300	Good	Category I Non-Friable	Class II
468	1st Floor Hallway by Room 1G434	1G-4B	Black Duct Mastic	**10% Chrysotile**	Included in 1G-4A	Good	Category I Non-Friable	Class II
468	1st Floor Hallway by Room 1G315	1G-4C	Black Duct Mastic	**10% Chrysotile**	Included in 1G-4A	Good	Category I Non-Friable	Class II
468	1st Floor Room 1G415	1G-8A	9" x 9" VFT Tan with Black Mastic	**10% Chrysotile (Floor Tile)** **5% (Black Mastic)**	135	Good	Category I Non-Friable	Class II
468	1st Floor Room 1G417	1G-8B	9" x 9" VFT Floor Tile Tan with Black Mastic	**10% Chrysotile (Floor Tile)** **5% (Black Mastic)**	Included in 1G-8A	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	1st Floor Room 1G416	1G-8C	9" x 9" VFT Tan with Black Mastic	**10% Chrysotile (Floor Tile) 5% (Black Mastic)**	Included in 1G-8A	Good	Category I Non-Friable	Class II
468	1st Floor Hallway near Main Lobby & Escalators in 1F	1F-8A	White Duct Mastic	**5% Chrysotile**	780	Good	Category I Non-Friable	Class II
468	1st Floor Hallway in Room 1F306	1F-8B	White Duct Mastic	**5 % Chrysotile**	Included in 1F-8A	Good	Category I Non-Friable	Class II
468	1st Floor Mechanical room 1E134	ME134-A	2nd and 3rd Layer Under 12"x12" Vinyl Floor Tile, White	**2% Chrysotile (2nd Layer Floor Tile) 10 % Chrysotile (3rd Layer Floor Tile)**	200	Good	Category I Non-Friable	Class II
468	2ndt Floor Hallway near Room 2A123	2A-3B	White Duct Mastic	**15% Chrysotile**	1200	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2A102	2A-6A	12" x 12" Lt. Beige VFT w/ Brown Streaks & Black Mastic	**3% Chrysotile (Floor Tile)**	3,560	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2A123	2A-6B	12" x 12" Lt. Beige VFT w/ Brown Streaks & Black Mastic	**3% Chrysotile (Floor Tile)**	Included in 2A-6A	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2A149	2A-13A	12" x 12" White w/ Brown and Grey Streaks VFT with subflooring	**2% Chrysotile (Floor Tile in subfloor)**	3700	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2A150	2A-13B	12" x 12" White w/ Brown and Grey Streaks VFT with subflooring	**2% Chrysotile (Floor Tile in subfloor)**	Included in 2A-13A	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	2nd Floor Hallway near elevators on second floor	2A-14A	Linoleum & 12" x 12" Lt. Beige VFT w/ Black Mastic	**2% Chrysotile (Floor Tile)**	1000	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2A149	2A-16A	Black Duct Mastic	**20% Chrysotile**	540	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2A220	2A-16B	Black Duct Mastic	**20% Chrysotile**	Included in 2A-16A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway near double doors on Section 2B of 2nd Floor	2B-1A	12" x 12" VFT Lt. Gray w/ Brown & White Streaks w/ Mastic	**5% Chrysotile (Floor Tile)**	400	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2B106	2B-3A	Beige Duct Mastic	**15 % Chrysotile**	500	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2B113	2B-3B	Beige Duct Mastic	**15 % Chrysotile**	Included in 2B-3A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2B118	2B-3C	Beige Duct Mastic	**15 % Chrysotile**	Included in 2B-3A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Stairwell 2B1	2B-3D	Beige Duct Mastic	**15 % Chrysotile**	Included in 2B-3A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2B106	2B-4A	Black Duct Mastic	**45 % Chrysotile**	400	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2B113	2B-4B	Black Duct Mastic	**45 % Chrysotile**	Included in 2B-4A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2B118	2B-4C	Black Duct Mastic	**45 % Chrysotile**	Included in 2B-4A	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	2nd Floor Room 2B118	2B-6A	12" x 12" VFT White w/ Brown & Gray Streaks & Black Mastic	**3% Chrysotile (Floor Tile) 10 % Chrysotile (Black Mastic)**	980	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2B126	2B-6B	12" x 12" VFT White w/ Brown & Gray Streaks & Black Mastic	**3% Chrysotile (Floor Tile) 10 % Chrysotile (Black Mastic)**	Included in 2B-6A	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2B133	2B-6C	12" x 12" VFT White w/ Brown & Gray Streaks & Black Mastic	**3% Chrysotile (Floor Tile) 10 % Chrysotile (Black Mastic)**	Included in 2B-6A	Good	Category I Non-Friable	Class II
468	2nd Floor Room 2B138	2B-6D	12" x 12" VFT White w/ Brown & Gray Streaks & Black Mastic	**3% Chrysotile (Floor Tile) 10 % Chrysotile (Black Mastic)**	Included in 2B-6A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2C148	2C-4A	White Duct Mastic	**20 % Chrysotile**	320	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2C153	2C-4B	White Duct Mastic	**20 % Chrysotile**	Included in 2C-4A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2C105	2C-6A	Black Duct Mastic	**45% Chrysotile**	120	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room 2C108	2C-6B	Black Duct Mastic	**45% Chrysotile**	Included in 2C-6A	Good	Category I Non-Friable	Class II
468	2nd Floor Hallway by Room	2C-6C	Black Duct Mastic	**45% Chrysotile**	Included in 2C-6A	Good	Category I Non-Friable	Class II
468	2nd Floor Mechanical Room 2C145	M2C145-1A	TSI for Coldwater Supply	**20% Chrysotile (Black Mastic)**	500 linear feet	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	2nd Floor Mechanical Room 2C145	M2C145-3A	TSI for Steam Line	**10% Chrysotile 10% Amosite**	1000	Good	RACM	Class I
468	2nd Floor Mechanical Room 2C145	M2C145-3B	TSI for Steam Line	**10% Chrysotile 10% Amosite**	Included in M2C145-3A	Good	RACM	Class I
468	3rd Floor Room 3A224	3A-1A	12" x 12" VFT White w/ Brown Streaks with subflooring	**5% Chrysotile (Floor Tile in Subfloor)**	840	Good	Category I Non-Friable	Class II
468	3rd Floor Room 3A224	3A-1B	12" x 12" VFT White w/ Brown Streaks with subflooring	**5% Chrysotile (Floor Tile in Subfloor)**	Included in 3A-1B	Good	Category I Non-Friable	Class II
468	Room 3A223	3A-5A	TSI Elbow	**15% Amosite 5% Chrysotile**	4	Good	RACM	Class I
468	Room 3A223	3A-6A	TSI	**15% Amosite 5% Chrysotile**	4 Linear Feet	Good	RACM	Class I
468	3rd Floor Hallway by Room 3B109	3B-5A	White Duct Mastic	**10 % Chrysotile**	1000	Good	Category I Non-Friable	Class II
468	3rd Floor Hallway by Room 3B123	3B-5B	White Duct Mastic	**10 % Chrysotile**	Included in 3B-5A	Good	Category I Non-Friable	Class II
468	3rd Floor Hallway by Room 3C107	3C-4A	Black Duct Mastic	**10 % Chrysotile**	670	Good	Category I Non-Friable	Class II
468	3rd Floor In Room 3C123	3C-4B	Black Duct Mastic	**10 % Chrysotile**	Included in 3C-4A	Good	Category I Non-Friable	Class II
468	3rd Floor Near Room 3C132	3C-5B	12" x 12" VFT, Beige w/ Red, White, and Grey Streaks	**2 % Chrysotile (Floor Tile)**	200	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	4th Floor Room 4A176	4A-1A	12"x12" Lt. Beige VFT w/Brown Streaks and Black Mastic	**2 % Chrysotile (Floor Tile) 5 % Chrysotile (Mastic)**	1600	Good	Category I Non-Friable	Class II
486	4th Floor Room 4A163	4A-1B	12"x12" Lt. Beige VFT with Brown Streaks and Black Mastic	**2 % Chrysotile (Floor Tile) 5 % Chrysotile (Mastic)**	Included in 4A-1A	Good	Category I Non-Friable	Class II
468	4th Floor Room 4A149	4A-1C	12"x12" Lt. Beige VFT with Brown Streaks and Black Mastic	**2 % Chrysotile (Floor Tile) 5 % Chrysotile (Mastic)**	Included in 4A-1A	Good	Category I Non-Friable	Class II
468	4th Floor Room 4A104	4A-1D	12"x12" Lt. Beige VFT w/Brown Streaks and Black Mastic	**2 % Chrysotile (Floor Tile) 5 % Chrysotile (Mastic)**	Included in 4A-1A	Good	Category I Non-Friable	Class II
468	4th Floor Hallway by Room 4A176	4A-5A	Black Duct Mastic	**10 % Chrysotile**	780	Good	Category I Non-Friable	Class II
468	4th Floor Hallway by Room 4A170	4A-5D	Black Duct Mastic	**10 % Chrysotile**	Included in 4A-5A	Good	Category I Non-Friable	Class II
468	4th Floor Hallway by Room 4A176	4A-7A	White Duct Mastic	**5 % Chrysotile**	1000	Good	Category I Non-Friable	Class II
468	4th Floor Hallway by Room 4A170	4A-7B	White Duct Mastic	**5 % Chrysotile**	Included in 4A-7A	Good	Category I Non-Friable	Class II
468	4th Floor Hallway by Room 4A167	4A-7C	White Duct Mastic	**5 % Chrysotile**	Included in 4A-7A	Good	Category I Non-Friable	Class II
468	4th Floor Hallway by Room 4A102	4A-7D	White Duct Mastic	**5 % Chrysotile**	Included in 4A-7A	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	4th Floor Hallway by Room 4A119	4A-7E	White Duct Mastic	**5 % Chrysotile**	Included in 4A-7A	Good	Category I Non-Friable	Class II
468	4th Floor Mechanical Room 4A106	4A-8A	White Duct Mastic	**10 % Chrysotile**	200	Good	Category I Non-Friable	Class II
468	4th Floor Mechanical Room 4A106	4A-8B	White Duct Mastic	**10 % Chrysotile**	Included in 4A-8A	Good	Category I Non-Friable	Class II
468	4th Floor Mechanical Room 4A106	4A-8C	White Duct Mastic	**10 % Chrysotile**	Included in 4A-8A	Good	Category I Non-Friable	Class II
468	Mechanical Room 4A106	4A-10A	White Wrap on Metal Duct Seam	**10 % Chrysotile**	60	Good	Category I Non-Friable	Class II
468	Mechanical Room 4A106	4A-10B	White Wrap on Metal Duct Seam	**10 % Chrysotile**	Included in 4A-10A	Good	Category I Non-Friable	Class II
468	4th Floor Room 4A224	4A-15A	Black Sink Undercoating	**3% Chrysotile**	20	Good	Category II	Class II
468	4th Floor Mechanical Room 4A222	M4A222-5A	Black Duct Mastic and Spray-Applied Texture	**10 % Chrysotile (Black Mastic) 10% Chrysotile (Spray Applied Texture)**	50	Good	Category I Non-Friable	Class II
468	4th Floor Mechanical Room 4A222	M4A222-5B	Black Duct Mastic and Spray-Applied Texture	**10 % Chrysotile (Black Mastic) 10% Chrysotile (Spray Applied Texture)**	Included in M4A222-5A	Good	Category I Non-Friable	Class II
468	4th Floor Mechanical Room 4A222	M4A222-5C	Black Duct Mastic and Spray-Applied Texture	**10 % Chrysotile (Black Mastic) 10% Chrysotile (Spray Applied Texture)**	Included in M4A222-5A	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
468	4th Floor Mechanical Room 4A222	M4A222-5D	Black Duct Mastic and Spray-Applied Texture	**10 % Chrysotile (Black Mastic) 10% Chrysotile (Spray Applied Texture)**	Included in M4A222-5A	Good	Category I Non-Friable	Class II
468	4th Floor Mechanical Room 4A222	M4A222-12A	Tan Duct Tape w/Black Mastic	**5% Chrysotile**	10 linear feet	Good	Category II	Class II
468	5th Floor Hallway near 5A217	5A-1A	Black Duct Mastic	**10 % Chrysotile**	300	Good	Category I Non-Friable	Class II
468	5th Floor Lobby Area in Section 5A	5A-6A	White Duct Mastic	**10 % Chrysotile**	380	Good	Category I Non-Friable	Class II
468	5th Floor Room 5A175	5A-6B	White Duct Mastic	**10 % Chrysotile**	Included in 5A-6A	Good	Category I Non-Friable	Class II
468	5th Floor Room 5A111	5A-7D	Second Layer Under Multi-layer 12" x12" VFT Light Blue w/ Dark Blue Streaks	**2 % Chrysotile (2nd Layer) 5% Chrysotile (Black Mastic)**	200	Good	Category I Non-Friable	Class II
468	5th Floor Room 5A 140	5A-10A	12" x12" Vinyl Floor Tile White with Blue Streaks	**5% Chrysotile (Black Mastic)**	150	Good	Category I Non-Friable	Class II
468	5th Floor Room 5A223	5A-11B	Second Layer Under 12" x12" Vinyl Floor Tile, White w/Brown Streaks	**15 % Chrysotile (Floor Tile) 5% Chrysotile (Black Mastic)**	200	Good	Category I Non-Friable	Class II
824	Waiting Area C	DB-10A	Black Duct Mastic	**5 % Chrysotile**	200	Good	Category I Non-Friable	Class II

Table 1: Summary of Bulk Sample Positive Results for Asbestos-Containing Materials

Building No.	Sample Location	Sample Number	Material Sampled	Percentage / Type Asbestos Content	Approximate Quantity (Sq. Ft)	Condition	*NESHAP Material Category	*OSHA Work Class
824	Window on North Exterior Wall	DB-19B	Window Caulking	**5 % Chrysotile**	300	Good	Category I Non-Friable	Class II
824	Window on Northeast corner of exterior wall	DB-20A	Window Sealant	**5 % Chrysotile**	200	Good	Category I Non-Friable	Class II

VFT means Vinyl floor tile
* Refer to Section 3.4.1 GENERAL RECOMMENDATIONS and Section 3.4.2 SPECIFIC RECOMMENDATIONS in report for detailed information regarding material categories / work classes.

It should be noted that the quantities provided are estimates only and should not be relied upon for cost estimation without verification

Table 2: Paint Containing Lead Laboratory Test Results

Sample No.	Area	Component	Substrate	Result (% lead)
Building 468 (Hospital)				
HPC-1	OR	OR Hall North Wall	Concrete	<0.010
HPC-2	Room 4A-124	Door Frame	Metal	<0.010
HPC-3	Mech 6	Door	Metal	**0.14**
HPC-4	Stairs GB-1	Handrail	Metal	<0.012
HPC-5	Stairs GF-1	Door Frame	Metal	<0.015
HPC-6	1B-408 Men's RR	Door Frame	Metal	**0.078**
Building (Dental Clinic)				
DPC-1	South Entry Lobby	East Wall	Brick	**0.016**
DPC-2	South Entry Lobby	South Wall	Brick	<0.025
DPC-3	Suite "I"	Entry Door	Metal	**0.25**
DPC-4	"F" Lobby	East Wall	Plaster	<0.010

Bolded values denote detectable lead concentrations.

Table 3: LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
1	G	Plenum (GF-325)	NR	Black Pipe	M	-0.2	--
2	G	Plenum (GF-402)	NR	Sprinkler Pipe	M	-0.1	--
3	G	GG1	NR	Hand Rail	M	-0.2	--
4	G	GG1	NR	Divider Wall	C	-0.2	--
5	G	GG1	NR	Wall	C	-0.0	--
6	G	GG1	NR	Wall	C	-0.1	--
7	G	GG1	NR	Door	M	-0.0	--
8	**G**	**GG1**	**NR**	**Door Frame**	**M**	**0.1**	**--**
9	G	GG1	NR	Stair Underside	C	-0.1	--
10	1	Old ER and Lobby	NR	Column	D	-0.1	--
11	1	Old ER and Lobby	South	Window Frame	M	-0.4	--
12	1	Old ER and Lobby	East	Wall	D	-0.0	--
13	1	Old ER and Lobby	North	Wall	P	-0.0	--
14	1	Old ER and Lobby	North	Counter Framing	M	-0.3	--
15	**1**	**Old ER – Hall @ Room 027**	**West**	**Wall**	**D**	**0.1**	**--**
16	1	Old ER – Hall @ Room 027	East	Wall	D	-0.3	--
17	**1**	**Old ER – Exam Room 12**	**NR**	**Door Frame**	**M**	**0.5**	**--**
18	1	Old ER – Exam Room 12	North	Wall	D	-0.2	--
19	1	Old ER – Exam Room 12	West	Wall	D	-0.1	--
20	1	Old ER – Exam Room 17	NR	Door Frame	M	-0.1	--
21	1	Old ER – Exam Room 17	West	Wall	D	-0.2	--
22	1	Old ER – Exam Room 17	South	Wall	D	-0.1	--
23	1	Old ER – Exam Room 17	NR	Window Frame	M	-0.3	--
24	1	Old ER – Viewing 015	NR	Door Frame	M	-0.1	--
25	1	Old ER – Viewing 015	East	Wall	D	-0.3	--

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Table 3: LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
26	1	Old ER – Viewing 015	West	Wall	D	-0.2	--
27	1	Old ER – Monitor Bed 05	NR	Door Frame	M	-0.0	--
28	1	Old ER – Monitor Bed 05	North	Wall	D	-0.2	--
29	1	Old ER – Monitor Bed 05	West	Wall	D	-0.5	--
30	1	Old ER – Room 062	South	Wall	D	-0.2	--
31	1	Old ER – Room 062	South	Window Frame	M	-0.1	--
32	1	Old ER – Room 062	North	Wall	D	0.0	--
33	1	Old ER – Room 062	NR	Ceiling Chase	D	-0.1	--
34	1	Old ER – Trauma Room 065	NR	Door Frame	M	-0.1	--
35	1	Old ER – Trauma Room 065	West	Wall	D	-0.4	--
36	1	Old ER – Trauma Room 065	North	Wall	D	-0.3	--
37	1	Old ER – Trauma Room 065	NR	Ceiling	D	-0.2	--
38	1	Old ER – Trauma Room 065	South	Window Frame	M	-0.2	--
39	1	Old ER – GH-011	NR	Door Frame	M	-0.1	--
40	1	Old ER – GH-011	North	Wall	D	-0.3	--
41	G	GH-011	South	Wall	D	-0.1	--
42	G	GH-011	NR	Black Pipe	M	-0.3	--
43	G	GH-012	NR	Red Sprinkler Pipe	M	-0.2	--
44	**G**	**Pedi N.W. Stairs**	**NR**	**Handrail**	**M**	**0.2**	**--**
45	**G**	**Pedi N.W. Stairs**	**NR**	**Outer Railing**	**M**	**0.2**	**--**
46	G	Pedi N.W. Stairs	NR	Wall	C	-0.1	--
47	G	Pedi N.W. Stairs	NR	Wall	C	-0.0	--
48	**G**	**Pedi N.W. Stairs**	**NR**	**Fire Pipe Riser**	**M**	**0.1**	**--**
49	G	Pedi N.W. Stairs	NR	Underside	C	-0.1	--
50	G	Pedi N.W. Stairs	NR	Stringer	C	0.0	--

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Table 3: LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
51	**G**	**Pedi N.W. Stairs**	**NR**	**Rail Support**	**M**	**0.3**	**--**
52	G	Stair GF-1	NR	Door	M	-0.1	--
53	G	Stair GF-1	NR	Door Frame	M	-0.1	<0.015
54	G	Stair GF-1	NR	Red Sprinkler Pipe	M	-0.3	--
55	**G**	**Stair GF-1**	**NR**	**Wall**	**C**	**0.1**	**--**
56	G	Stair GF-1	NR	Wall	C	-0.0	--
57	**G**	**Stair GF-1**	**NR**	**Handrail**	**M**	**0.1**	**--**
58	G	Stair GB-2	NR	Door	M	-0.0	--
59	G	Stair GB-2	NR	Door Frame	M	-0.2	--
60	G	Stair GB-2	NR	Wall	C	-0.4	--
61	G	Stair GB-2	NR	Wall	C	-0.1	--
62	G	Stair GB-2	NR	Wall	C	-0.1	--
63	G	Stair GB-2	NR	Red Sprinkler Pipe	M	-0.2	--
64	**G**	**Stair GB-2**	**NR**	**Handrail**	**M**	**0.3**	**--**
65	G	Stair GB-2	NR	Wall Access Panel	M	-0.2	--
66	G	Stair GA-1	West	Door	M	-0.2	--
67	G	Stair GA-1	West	Door Frame	M	-0.1	--
68	G	Stair GA-1	North	Wall	C	-0.5	--
69	G	Stair GA-1	North	Handrail	M	-0.1	--
70	G	Stair GA-1	West	Wall	C	-0.3	--
71	G	Stair GA-3	East	Door	M	-0.1	--
72	G	Stair GA-1	NR	Door Frame	M	-0.1	--
73	G	Stair GA-1	West	Wall	C	-0.1	--
74	G	Stair GA-1	East	Handrail	M	-0.2	--
75	G	Stair GA-1	East	Wall	C	-0.0	--

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Table 3: LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
76	G	Stair GB-1	NR	Door	M	-0.1	--
77	G	Stair GB-1	NR	Door Frame	M	-0.2	--
78	G	Stair GB-1	East	Handrail	M	-0.1	<0.012
79	G	Stair GB-1	East	Wall	C	-0.3	--
80	G	Stair GB-1	NR	Ceiling	C	-0.2	--
81	G	Stair GC-3	North	Wall	C	-0.4	--
82	G	Stair GC-3	North	Wall Access Panel	M	-0.2	--
83	G	Stair GC-3	North	Handrail	M	-0.1	--
84	G	Stair GC-3	South	Wall	C	-0.4	--
85	G	Stair GC-3	NR	Ceiling	C	-0.5	--
86	G	Stair GC-1	North	Door	M	-0.1	--
87	G	Stair GC-1	North	Door Frame	M	-0.3	--
88	G	Stair GC-1	East	Wall	C	-0.2	--
89	G	Stair GC-1	North	Wall	C	0.0	--
90	G	Stair GC-1	NR	Handrail	M	-0.1	--
91	G	Stair GC-1	NR	Ceiling	C	-0.3	--
92	1	Stair 1C3	NR	Door	M	-0.0	--
93	1	Stair 1C3	NR	Door Frame	M	-0.4	--
94	1	Stair 1C3	West	Upper Handrail	M	-0.2	--
95	1	Stair 1C3	NR	Center Wall	C	-0.3	--
96	1	Stair 1C3	East	Wall	C	-0.2	--
97	1	Stair 1C3	NR	Ceiling	C	-0.1	--
98	1	Stair 1F1	NR	Door Frame	M	-0.2	--
99	**1**	**Stair 1F1**	**NR**	**Door**	**M**	**0.3**	**--**
100	**1**	**Stair 1F1**	**South**	**Wall**	**C**	**0.1**	**--**

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Table 3: LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
101	1	Stair 1F1	North	Wall	C	-0.1	--
102	1	Stair 1F1	NR	Red Sprinkler Pipe	M	-0.1	--
103	1	Stair 1F1	NR	Handrail	M	-0.1	--
104	1	RR 1F335	NR	Door Frame	M	-0.2	--
105	1	RR 1F335	NR	Door	M	0.0	--
106	1	RR 1F335	East	Wall	D	-0.5	--
107	1	RR 1F335	West	Wall	D	-0.0	--
108	1	RR 1F335	NR	Ceiling	D	-0.1	--
109	1	Office 1F332	NR	Door Frame	M	-0.2	--
110	1	Office 1F332	NR	Door	W	-0.1	--
111	1	Office 1F332	West	Wall	D	0.0	--
112	1	Copy Room 1F329	NR	Door Frame	M	-0.0	--
113	1	Copy Room 1F329	East	Wall	D	-0.1	--
114	1	Conference Room 1F332	NR	Door Frame	M	0.0	--
115	1	Conference Room 1F332	NR	Door	W	-0.2	--
116	1	Conference Room 1F332	North	Wall	D	-0.1	--
117	1	Office 1F319	NR	Door Frame	M	-0.2	--
118	1	Office 1F319	North	Wall	D	-0.2	--
119	1	Break Room 1F309	NR	Door Frame	M	-0.2	--
120	1	Break Room 1F309	South	Wall	D	-0.4	--
121	1	Exam Room 1F228	NR	Door Frame	M	-0.1	--
122	1	Exam Room 1F228	South	Wall	D	-0.2	--
123	1	1F400	North	Wall	C	0.0	--
124	**1**	**1F400**	**West**	**Wall**	**C**	**0.1**	**--**
125	1	1F400	East	Wall	C	-0.2	--

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Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
126	1	1F400	NR	Ceiling Support Beam	C	-0.2	--
127	1	1F400	NR	Ceiling	C	-0.1	--
128	1	1F400	West	Door Frame	M	-0.2	--
129	1	1F400	West	Door	M	-0.1	--
130	1	Office 1F150	NR	Door	W	-0.3	--
131	1	Office 1F150	NR	Door Frame	M	-0.2	--
132	1	Office 1F150	North	Wall	D	-0.4	--
133	1	Office 1F150	East	Wall	D	-0.3	--
134	1	Hall @ 1F150	North	Wall	D	-0.1	--
135	1	Hall @ 1F150	South	Wall	D	-0.1	--
136	1	Exam 1F145	NR	Door Frame	M	-0.2	--
137	1	Exam 1F145	East	Wall	D	-0.1	--
138	1	Exam 1F126	NR	Door Frame	M	-0.3	--
139	**1**	**Exam 1F126**	**NR**	**Door**	**W**	**0.2**	**--**
140	1	Exam 1F126	South	Wall	D	-0.1	--
141	1	Class 1F118	NR	Door Frame	M	-0.0	--
142	**1**	**Class 1F118**	**East**	**Wall**	**D**	**0.1**	**--**
143	1	Class 1F118	South	Wall	D	-0.4	--
144	1	Class 1F118	NR	Metal (I)	M	-0.2	--
145	1	Office 1F103	NR	Door	W	-0.2	--
146	1	Office 1F103	NR	Door Frame	M	-0.0	--
147	1	Office 1F103	East	Wall	D	-0.0	--
148	1	Office 1F103	West	Wall	D	-0.1	--
149	1	Exam 1G125	NR	Door Frame	M	-0.2	--
150	1	Exam 1G125	NR	Door	W	-0.1	--

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Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
151	1	Exam 1G125	North	Wall	D	-0.4	--
152	1	Exam 1G125	East	Wall	D	-0.3	--
153	1	Exam 1G109	NR	Door Frame	M	-0.2	--
154	1	Exam 1G109	North	Wall	D	-0.1	--
155	1	Exam 1G109	East	Wall	D	-0.2	--
156	1	Lab 1G435	NR	Door Frame	M	-0.3	--
157	**1**	**Lab 1G435**	**South**	**Wall**	**D**	**0.1**	**--**
158	1	Lab 1G410	NR	Door Frame	M	-0.1	--
159	1	Lab 1G410	North	Wall	D	-0.2	--
160	1	Lab 1G410	NR	Cabinet	M	-0.1	--
161	1	Hall Plenum @ 1G-410	NR	Black Pipe	M	-0.2	--
162	1	Hall @ 1G-410	East	Wall	D	-0.1	--
163	**1**	**Hall @ 1G-410**	**West**	**Wall**	**D**	**0.1**	**--**
164	1	Lobby 1G200	South	Wall	D	-0.2	--
165	1	Lobby 1G200	North	Wall	D	-0.0	--
166	1	Lobby 1G200	North	Hall Casement	M	-0.1	--
167	1	Stair 1B1	NR	Door	W	-0.1	--
168	1	Stair 1B1	NR	Door Frame	M	-0.3	--
169	1	Stair 1B1	North	Wall	D	-0.2	--
170	1	Stair 1B1	East	Wall	D	-0.4	--
171	**1**	**Stair 1B1**	**NR**	**Handrail**	**M**	**0.1**	**--**
172	1	Lobby 1B403	NR	Door Frame	M	-0.3	--
173	1	Lobby 1B403	West	Wall	D	-0.2	--
174	1	Lobby 1B403	East	Wall	D	-0.1	--
175	1	Office 1B5002	NR	Door	W	0.0	--

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Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
176	1	Office 1B5002	NR	Door Frame	M	-0.0	--
177	1	Office 1B5002	South	Wall	D	-0.2	--
178	1	Men's Restroom 1B408	NR	Door Frame	M	-0.0	<0.078
179	1	Men's Restroom 1B408	East	Wall	D	-0.1	--
180	**1**	**Men's Restroom 1B408**	**East**	**Wall Tile**	**CER**	**1.7**	**--**
181	1	Men's Restroom 1B408	NR	Stall Divider	M	-0.1	--
182	1	Men's Restroom 1B408	NR	Ceiling	C	-0.0	--
183	**1**	**Ladies Restroom 1B407**	**NR**	**Wall Tile**	**CER**	**2.3**	**--**
184	1	Rec 1A127	East	Wall	D	-0.1	--
185	1	Rec 1A127	South	Wall	D	-0.2	--
186	1	Rec 1A127	South	Door Frame	M	-0.2	--
187	1	Storage 1A126	NR	Door Frame	M	0.0	--
188	1	Storage 1A126	East	Wall	D	-0.4	--
189	1	Storage 1A126	West	Wall	D	-0.1	--
190	1	Lobby	SW	Column	D	-0.1	--
191	1	Lobby	NE	Column	D	-0.1	--
192	1	Lobby	North	Window Frame	M	-0.5	--
193	1	Lobby	West	Wall	D	-0.4	--
194	**1**	**Lobby**	**NR**	**Ceiling Light Chase**	**D**	**0.2**	**--**
195	1	Lobby 1A222	NR	Door Frame	M	-0.2	--
196	1	Lobby 1A222	North	Wall	D	-0.2	--
197	1	Lobby 1A222	West	Wall	D	-0.1	--
198	1	Lobby 1A222	West	Office Window Frame	M	-0.0	--
199	1	Office 1A222E	NR	Door Frame	M	-0.0	--
200	1	Office 1A222E	NR	Window Frame	M	-0.2	--

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Table 3: LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 Ground and 1st Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
201	1	Office 1A222E	East	Wall	P	-0.1	--
202	1	Office 1A222E	South	Wall	D	-0.2	--
203	1	Lobby 1E310	NR	Door	W	-0.2	--
204	1	Lobby 1E310	NR	Door Frame	M	-0.3	--
205	1	Lobby 1E310	North	Wall	D	0.0	--
206	1	Lobby 1E310	NR	Ceiling	D	-0.3	--
207	1	Lobby 1E310	South	Wall	D	-0.2	--
208	1	Bacterial 1E314	NR	Door Frame	M	-0.2	--
209	1	Bacterial1E314	North	Wall	D	-0.2	--
210	1	Bacterial 1E314	South	Wall	D	-0.1	--
211	1	Bacterial 1E314 Plenum	NR	Sprinkler Pipe	M	-0.0	--
212	1	Lab 1E300	South	Wall	D	-0.4	--
213	1	Lab 1E300	South	Column	D	-0.4	--
214	1	Exterior West	NR	Outer Wall	C	-0.2	--
215	1	Exterior South	NR	Outer Wall	C	-0.2	--

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LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 2nd Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
1	2	S. Elevator Lobby	West	Wall	D	-0.1	--
2	2	S. Elevator Lobby	North	Wall	D	-0.3	--
3	2	S. Elevator Lobby	North	Wall Corner Bracing	M	-0.2	--
4	2	Waiting 2A105	N R	Door Frame	M	-0.1	--
5	2	Waiting 2A105	North	Wall	D	-0.3	--
6	2	Waiting 2A105	South	Wall	D	-0.2	--
7	2	Waiting 105A Bath	NR	Door Frame	M	-0.1	--
8	2	Waiting 105A Bath	South	Wall	D	-0.3	--
9	2	Waiting 105A Bath	NR	Ceiling	D	-0.2	--
10	2	2A113	NR	Window Frame	M	-0.6	--
11	2	2A113	West	Wall	D	-0.4	--
12	2	2A113	North	Wall	D	-0.2	--
13	2	2A113	NR	Window Sill	W	-0.0	--
14	2	2A113	NR	Ceiling	D	-0.2	--
15	2	Stair 2A2	NR	Door	M	-0.2	--
16	2	Stair 2A2	NR	Door Frame	M	-0.2	--
17	2	Stair 2A2	North	Wall	C	-0.1	--
18	2	Stair 2A2	NR	Ceiling	D	-0.2	--
19	2	Room 2A127	West	Wall	D	-0.4	--
20	2	Room 2A127	NR	Entry Ceiling	D	-0.2	--
21	2	Room 2A127	NR	Ceiling Access Panel	M	-0.3	--
22	2	Room 2A127	South	Wall	D	-0.1	--
23	2	Room 2A127	NR	Window Sill	W	-0.4	--
24	2	Room 2A118	NR	Window Frame	M	-0.5	--

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LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 2nd Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
25	2	Room 2A118	East	Wall	D	-0.3	--
26	2	Room 2A118	NR	Entry Ceiling	D	-0.2	--
27	2	Room 2A118	NR	Ceiling Access Panel	M	-0.2	--
28	2	Room 2A139	South	Wall	D	-0.3	--
29	2	Room 2A139	West	Wall	D	-0.0	--
30	2	Room 2A139	NR	Window Sill	W	-0.2	--
31	2	Room 2A146	NR	Door	W	-0.2	--
32	2	Room 2A146	NR	Door Frame	M	-0.3	--
33	2	Room 2A146	NR	Ceiling	D	-0.1	--
34	2	Room 2A146	NR	Wall Tile	CER	-0.4	--
35	2	Hall @ 2A152	West	Wall	D	-0.3	--
36	2	Hall @ 2A152	East	Wall	D	-0.2	--
37	2	Stair 2A1	NR	Door	W	-0.3	--
38	2	Stair 2A1	NR	Door Frame	M	-0.1	--
39	2	Stair 2A1	North	Wall	C	-0.4	--
40	2	Stair 2A1	NR	Handrail	M	-0.2	--
41	**2**	**Elevator 1-4 Lobby**	**East**	**Wall**	**C**	**0.3**	**--**
42	**2**	**Elevator 1-4 Lobby**	**West**	**Wall**	**C**	**0.1**	**--**
43	**2**	**Freight Elevator Lobby**	**East**	**Wall**	**C**	**0.2**	**--**
44	2	Freight Elevator Lobby	West	Wall	C	-0.1	--
45	2	Freight Elevator Lobby	North	Door	M	-0.1	--
46	2	Freight Elevator Lobby	North	Door Frame	M	-0.1	--
47	**2**	**Stair 2B2**	**NR**	**Door**	**M**	**0.1**	**--**
48	2	Stair 2B2	North	Wall	C	-0.0	--

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Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 2nd Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
49	2	Stair 2B2	West	Wall	C	-0.3	--
50	2	Stair 2B2	NR	Handrail	M	-0.0	--
51	2	Stair 2B2	NR	Wall Access Panel	M	-0.1	--
52	2	Office 2B140	NR	Door	W	-0.2	--
53	2	Office 2B140	NR	Door Frame	M	-0.2	--
54	2	Office 2B140	North	Wall	D	-0.3	--
55	**2**	**Room 2B131**	**NR**	**Door**	**W**	**0.1**	**--**
56	2	Room 2B131	NR	Door Frame	M	-0.1	--
57	2	Room 2B131	South	Wall	D	-0.1	--
58	2	Room 2B131	East	Wall	D	0.0	--
59	2	Room 2B126	NR	Door Frame	M	0.0	--
60	2	Room 2B126	South	Wall	D	-0.0	--
61	2	Room 2B126	NR	Window Sill	W	-0.4	--
62	2	Room 2B126	NR	Window Frame	M	-0.5	--
63	2	Room 2B126 Bath	NR	Ceiling	D	-0.0	--
64	2	Room 2B126 Bath	North	Wall Tile	CER	-0.0	--
65	2	Room 2B104	NR	Door Frame	M	-0.2	--
66	2	Room 2B104	North	Wall	D	-0.4	--
67	2	Room 2B104	South	Wall	D	-0.0	--
68	2	Hall @ 2B104	North	Wall	D	-0.0	--
69	2	Hall @ 2B104	South	Wall	D	-0.3	--
70	**2**	**OR 3**	**NR**	**Door Frame**	**M**	**0.1**	**--**
71	2	OR 3	NR	Wall Tile	CER	-0.4	--
72	2	OR 3	NR	Ceiling	D	-0.2	--

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Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 2nd Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
73	2	2C159	NR	Door Frame	M	-0.0	--
74	2	2C159	East	Wall	D	-0.1	--
75	2	2C159	West	Wall	D	-0.1	--
76	2	2C153	NR	Door Frame	M	-0.2	--
77	2	2C153	West	Wall	D	-0.1	--
78	2	2C153	East	Wall	D	-0.0	--
79	2	2C125	NR	Door Frame	M	-0.2	--
80	2	2C125	East	Wall	D	-0.3	--
81	**2**	**OR Hall @ 2C135**	**North**	**Wall**	**C**	**4.6**	**<0.010**
82	**2**	**OR Hall @ 2C135**	**South**	**Wall**	**C**	**2.8**	**--**
83	**2**	**OR Hall @ 2C135**	**North**	**Wall**	**D**	**3.5**	**--**
84	2	2C137	NR	Door Frame	M	-0.2	--
85	2	2C137	East	Wall	D	-0.1	--
86	2	2C137	North	Column	P	-0.1	--

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Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 29, 2013

LOCATION: Bldg 468 3rd Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
1	3	Room 3C102	NR	Door Frame	M	-0.1	--
2	3	Room 3C102	North	Wall	D	-0.0	--
3	3	Room 3C102	East	Wall	D	-0.3	--
4	3	Room 3C102	NR	Ceiling	D	-0.2	--
5	3	Hall @ Room 3C102	East	Wall	D	0.0	--
6	3	Hall @ Room 3C102	West	Wall	D	-0.1	--
7	3	RR 3C104	NR	Door Frame	M	-0.0	--
8	3	RR 3C104	West	Wall	D	-0.2	--
9	3	RR 3C104	NR	Window Frame	M	-0.4	--
10	3	RR 3C104	East	Wall	D	-0.1	--
11	3	Room 3C109	NR	Door Frame	M	-0.2	--
12	3	Room 3C109	South	Wall	D	-0.3	--
13	3	Room 3C109	East	Wall	D	0.0	--
14	3	Room 3C120	West	Door Frame	M	-0.2	--
15	3	Room 3C120	West	Wall	D	-0.2	--
16	3	Room 3C120	North	Wall	D	-0.1	--
17	3	Room 3C120	East	Wall	D	0.0	--
18	3	Room 3C125	NR	Door Frame	M	-0.2	--
19	3	Room 3C125	NR	Door	W	-0.1	--
20	3	Room 3C125	East	Wall	D	0.1	--
21	3	Room 3C125	West	Wall	D	-0.0	--
22	3	Stair 3B2	NR	Door	W	-0.3	--
23	3	Stair 3B2	NR	Door Frame	M	0.0	--
24	3	Stair 3B2	North	Wall	D	-0.4	--

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Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 29, 2013

LOCATION: Bldg 468 3rd Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
25	**3**	**Stair 3B2**	**West**	**Wall**	**D**	**0.1**	**--**
26	3	Stair 3B2	NR	Red Sprinkler Riser	M	-0.1	--
27	3	Stair 3B2	NR	Upper Handrail	M	-0.0	--
28	3	Room 3B140	NR	Door Frame	M	-0.2	--
29	**3**	**Room 3B140**	**South**	**Wall**	**D**	**0.2**	**--**
30	**3**	**Room 3B140**	**East**	**Wall**	**D**	**0.1**	**--**
31	3	Room 3B140	NR	Window Frame	M	-0.4	--
32	3	Room 3B136	NR	Door Frame	M	-0.1	--
33	3	Room 3B136	East	Wall	D	-0.1	--
34	3	Room 3B136	West	Wall	D	-0.0	--
35	3	Room 3B123	NR	Door Frame	M	-0.1	--
36	3	Room 3B123	West	Wall	D	-0.2	--
37	**3**	**Room 3B123**	**North**	**Wall**	**D**	**0.1**	**--**
38	**3**	**3C Mechanical Room**	**NR**	**Door**	**M**	**0.1**	**--**
39	3	3C Mechanical Room	NR	Door Frame	M	-0.2	--
40	3	3C Mechanical Room	West	Wall	C	-0.3	--
41	3	3C Mechanical Room	South	Wall	C	-0.1	--
42	3	3C Mechanical Room	NR	Roof Door	M	-0.0	--
43	3	3C Mechanical Room	NR	Roof Door Frame	M	-0.0	--
44	3	3C Mechanical Room	North	Wall	C	-0.3	--
45	3	3C Mechanical Room	NR	Ceiling	C	-0.2	--

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Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 4th Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
1	4	Room 4A176	NR	Door Frame	M	-0.2	--
2	**4**	**Room 4A176**	**East**	**Wall**	**D**	**0.1**	**--**
3	4	Room 4A176	West	Wall	D	-0.2	--
4	4	Room 4A170	NR	Door Frame	M	-0.3	--
5	4	Room 4A170	South	Wall	D	-0.2	--
6	4	Room 4A170	North	Wall	D	-0.3	--
7	4	Conf 4A167	NR	Door Frame	M	0.0	--
8	**4**	**Conf 4A167**	**South**	**Wall**	**D**	**0.1**	**--**
9	4	Conf 4A167	West	Wall	D	-0.3	--
10	4	Conf 4A167 Restroom	NR	Ceiling	D	-0.4	--
11	4	Room 4A163	NR	Door Frame	M	-0.3	--
12	4	Room 4A163	West	Wall	D	-0.1	--
13	4	Room 4A163	East	Wall	D	-0.3	--
14	4	Room 4A163 Restroom	NR	Ceiling	D	-0.2	--
15	4	Room 4A124	NR	Door Frame	M	-0.2	<0.10
16	4	Room 4A124	North	Wall	D	-0.4	--
17	4	Room 4A124	West	Wall	D	-0.3	--
18	4	Room 4A139		Door Frame	M	-0.2	--
19	4	Room 4A139	West	Wall	D	-0.1	--
20	4	Room 4A139	South	Wall	D	-0.2	--
21	**4**	**Room 4A139 Restroom**	**NR**	**Ceiling**	**D**	**0.1**	**--**
22	4	Room 4A139	NR	Door Frame	M	-0.1	--

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LOCATION: Bldg 468 4th Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
		Restroom					
23	4	Room 4A121	NR	Door Frame	M	-0.1	--
24	4	Room 4A121	East	Wall	D	-0.2	--
25	4	Room 4A121	North	Wall	D	-0.1	--
26	4	Room 4A113	NR	Door Frame	M	-0.4	--
27	4	Room 4A113	South	Wall	D	-0.2	--
28	4	Room 4A113	East	Wall	D	-0.2	--
29	4	Hall @ Room 4A113	East	Wall	D	-0.2	--
30	4	Hall @ Room 4A113	West	Wall	D	-0.3	--
31	**4**	**4C Mechanical**	**NR**	**Door**	**M**	**0.1**	**--**
32	4	4C Mechanical	NR	Door Frame	M	-0.1	--
33	4	4C Mechanical	North	Wall	C	-0.1	--
34	4	4C Mechanical	West	Wall	C	-0.2	--
35	4	4C Mechanical	South	Wall	C	-0.3	--
36	4	4C Mechanical	NR	Ceiling	C	-0.3	--

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Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 5th Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
1	**5**	**Room 5A174**	**NR**	**Door**	**W**	**0.1**	**--**
2	5	Room 5A174	NR	Door Frame	M	-0.1	--
3	5	Room 5A174	North	Wall	D	-0.3	--
4	5	Room 5A174	East	Wall	D	-0.1	--
5	5	Room 5A161	NR	Door Frame	M	-0.1	--
6	5	Room 5A161	East	Wall	D	-0.2	--
7	5	Room 5A161	North	Wall	D	-0.3	--
8	5	Room 5A157	NR	Door Frame	M	-0.2	--
9	5	Room 5A157	South	Wall	D	-0.3	--
10	5	Room 5A157	North	Wall	D	-0.2	--
11	5	Room 5A149	NR	Door Frame	M	-0.1	--
12	5	Room 5A149	East	Wall	D	-0.1	--
13	5	Room 5A149	North	Wall	D	-0.3	--
14	5	Room 5A149 Restroom	NR	Ceiling	D	-0.3	--
15	5	Room 5A149 Restroom	NR	Door Frame	M	-0.2	--
16	5	Room 5A122	NR	Door Frame	M	-0.1	--
17	5	Room 5A122	West	Wall	D	-0.3	--
18	5	Room 5A122	South	Wall	D	-0.2	--
19	5	Room 5A115	NR	Door Frame	M	-0.1	--
20	5	Room 5A115	West	Wall	D	-0.2	--
21	5	Room 5A115	North	Wall	D	-0.1	--
22	5	Room 5A115	NR	Window Frame	M	-0.4	--
23	5	Conf 5A107	NR	Door Frame	M	-0.3	--
24	5	Conf 5A107	South	Wall	D	-0.2	--

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Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 468 5th Floor

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
25	5	Conf 5A107	West	Wall	D	-0.3	--
26	5	Conf 5A107 Restroom	NR	Ceiling	D	-0.3	--
27	5	Conf 5A107 Restroom	NR	Door Frame	M	-0.2	--
28	5	Conf 5A107 Restroom	North	Wall	D	-0.1	--
29	**5**	**Mechanical 5A106**	**NR**	**Door**	**D**	**0.1**	**--**
30	5	Mechanical 5A106	NR	Door Frame	M	-0.2	--
31	**5**	**Mechanical 5A106**	**North**	**Wall**	**C**	**0.1**	**--**
32	5	Mechanical 5A106	North	Column	C	-0.2	--
33	5	Mechanical 5A106	South	Wall	C	0.0	--
34	5	5th Floor Lobby	North	Wall	D	-0.3	--
35	5	5th Floor Lobby	South	Wall	D	-0.1	--
36	5	Room 5A 200A Restroom	NR	Door Frame	M	-0.0	--
37	5	Room 5A 200A Restroom	NR	Ceiling	D	-0.3	--
38	5	Room 5A 200A Restroom	NR	Wall Tile	CER	-0.4	--

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Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 824 (Dental Building)

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
1		West I/J Lobby	North	Wall	P	-0.2	--
2		West I/J Lobby	East	Wall	P	-0.4	--
3		West I/J Lobby	South	Wall	P	-0.2	--
4		Office J71	NR	Door Frame	M	-0.1	--
5		Office J71	North	Wall	P	0.0	--
6		Office J71	West	Wall	P	-0.0	--
7		Patient Room J68	NR	Door Frame	M	0.0	--
8		Patient Room J68	North	Wall	P	-0.0	--
9		Patient Room J68	East	Wall	P	-0.1	--
10		Lab 78	West	Door Frame	M	-0.0	--
11		Lab 78	North	Wall	P	-0.1	--
12		Lab 78	South	Wall	P	-0.4	--
13		I62	NR	Door Frame	M	-0.0	--
14		I62	South	Wall	P	-0.3	--
15		I62	North	Wall	P	-0.3	--
16		H60	NR	Door Frame	M	-0.1	--
17		H60	East	Wall	P	-0.3	--
18		H79 Restroom	NR	Door Frame	M	0.0	--
19		H79 Restroom	East	Wall	P	-0.2	--
20		H79 Restroom	North	Wall	P	-0.4	--
21		H79 Restroom	NR	Ceiling	P	-0.1	--
22		Office G55	NR	Door Frame	M	-0.0	--
23		Office G55	West	Wall	P	-0.2	--
24		Office G55	North	Wall	P	-0.3	--

BOLD means detectable concentrations of lead
--means not tested; NR means Not Recorded
*see also Appendix B, Table 2

Substrate: W = Wood D = Drywall B = Brick M = Metal P = Plaster CER = Ceramic C = Concrete S = Stucco WP = Wallpaper V = Vinyl	**Condition:** G = Good (Less than 1% Damage) F = Fair (Less than 10% Damage) P = Poor (Greater than 10% Damage)
Wall Height: (U) = Upper Wall (M) = Mid Wall (L) = Lower Wall	**Component Aspect:** I - Interior Surface E = Exterior Surface

LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 824 (Dental Building)

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
25		Hall @ G55	East	Wall	P	-0.3	--
26		Hall @ G55	West	Wall	P	-0.2	--
27		F-Lobby	East	Wall	P	-0.1	<0.010
28		**F-Lobby**	**North**	**Wall**	**P**	**0.2**	**--**
29		**F99**	**NR**	**Door Frame**	**M**	**0.1**	**--**
30		F99	West	Wall	P	-0.3	--
31		F99	North	Wall	P	-0.3	--
32		F46	NR	Door Frame	M	-0.1	--
33		**F46**	**West**	**Wall**	**P**	**0.1**	**--**
34		F46	South	Wall	P	-0.0	--
35		**E43**	**NR**	**Door Frame**	**M**	**0.3**	**--**
36		E43	South	Wall	P	-0.1	--
37		E43	West	Wall	P	-0.3	--
38		D102	NR	Door Frame	M	-0.1	--
39		D102	South	Wall	P	-0.1	--
40		D102	North	Wall	P	-0.3	--
41		Hall @ D102	East	Wall	P	-0.1	--
42		Hall @ D102	South	Wall	P	-0.0	--
43		Waiting Area A	East	Wall	P	-0.1	--
44		Waiting Area A	South	Wall	P	-0.3	--
45		**B30**	**NR**	**Door Frame**	**M**	**0.2**	**--**
46		B30	North	Wall	P	-0.2	--
47		B30	West	Wall	P	0.0	--
48		**B27**	**NR**	**Door Frame**	**P**	**0.1**	**--**

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--means not tested; NR means Not Recorded
*see also Appendix B, Table 2

Substrate: W = Wood D = Drywall B = Brick M = Metal P = Plaster CER = Ceramic C = Concrete S = Stucco WP = Wallpaper V = Vinyl	**Condition:** G = Good (Less than 1% Damage) F = Fair (Less than 10% Damage) P = Poor (Greater than 10% Damage)
Wall Height: (U) = Upper Wall (M) = Mid Wall (L) = Lower Wall	**Component Aspect:** I - Interior Surface E = Exterior Surface

LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 824 (Dental Building)

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
49		B27	South	Wall	P	-0.1	--
50		B27	East	Wall	P	-0.2	--
51		A116	NR	Door Frame	M	-0.1	--
52		A116	North	Wall	P	-0.2	--
53		**A116**	**East**	**Wall**	**P**	**0.1**	**--**
54		Room 118 Restroom	NR	Door Frame	M	-0.0	--
55		Room 118 Restroom	North	Wall	P	-0.1	--
56		Room 118 Restroom	NR	Ceiling	P	-0.2	--
57		Dental Lab Office	NR	Door Frame	C	-0.0	--
58		Dental Lab Office	NR	Floor	P	-0.4	--
59		Dental Lab Office	West	Wall	P	-0.1	--
60		Dental Lab Office	East	Wall	P	-0.0	--
61		Waiting Room	East	Wall	P	-0.3	--
62		**Waiting Room**	**West**	**Wall**	**P**	**0.1**	**--**
63		Room 129	NR	Door Frame	M	-0.1	--
64		**Room 129**	**South**	**Wall**	**P**	**0.2**	**--**
65		Hall @ Room 129	East	Wall	P	-0.0	--
66		Hall @ Room 129	West	Wall	P	-0.1	--
67		Mechanical Room 3	NR	Door	M	-0.4	--
68		Mechanical Room 3	NR	Door Frame	M	-0.2	--
69		Room 136	NR	Door Frame	M	0.0	--
70		Room 136	NR	Wall	P	-0.2	--
71		Room 136	North	Wall	P	-0.0	--
72		Room 136	West	Wall	P	-0.1	--

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*see also Appendix B, Table 2

Substrate: W = Wood D = Drywall B = Brick M = Metal P = Plaster CER = Ceramic C = Concrete S = Stucco WP = Wallpaper V = Vinyl	**Condition:** G = Good (Less than 1% Damage) F = Fair (Less than 10% Damage) P = Poor (Greater than 10% Damage)
Wall Height: (U) = Upper Wall (M) = Mid Wall (L) = Lower Wall	**Component Aspect:** I - Interior Surface E = Exterior Surface

LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 28, 2013

LOCATION: Bldg 824 (Dental Building)

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
73		Room 14	NR	Door Frame	M	-0.1	--
74		Room 14	East	Wall	P	-0.0	--
75		Room 14	North	Wall	P	-0.4	--
76		Hall @ Room 14	North	Wall	P	-0.3	--
77		**Hall @ Room 14**	**South**	**Wall**	**P**	**0.1**	**--**
78		Hall @ Room 14	South	Wall Tile	CER	-0.2	--
79		Room 10	NR	Door Frame	M	-0.1	--
80		Room 10	South	Wall	P	-0.4	--
81		Room 145	NR	Door Frame	M	-0.0	--
82		Room 145	South	Wall	P	-0.2	--
83		Room 145	North	Wall	P	-0.0	--
84		Room 3	NR	Door Frame	M	-0.1	--
85		Room 3	West	Wall	P	-0.1	--
86		Room 3	South	Wall	P	-0.2	--
87		Hall @ Room 3	South	Wall	P	-0.1	--
88		Hall @ Room 3	North	Wall	P	-0.0	--
89		Hall @ Room 3	North	Wall Tile	CER	-0.3	--
90		**S. Entry Lobby**	**East**	**Wall**	**B**	**0.8**	**0.016**
91		**S. Entry Lobby**	**South**	**Wall**	**B**	**1.4**	**<0.025**
92		**Exterior**	**NR**	**Ceiling**	**P**	**0.1**	**--**

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*see also Appendix B, Table 2

Substrate: W = Wood D = Drywall B = Brick M = Metal P = Plaster CER = Ceramic C = Concrete S = Stucco WP = Wallpaper V = Vinyl	**Condition:** G = Good (Less than 1% Damage) F = Fair (Less than 10% Damage) P = Poor (Greater than 10% Damage)
Wall Height: (U) = Upper Wall (M) = Mid Wall (L) = Lower Wall	**Component Aspect:** I - Interior Surface E = Exterior Surface

LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 29, 2013

LOCATION: Bldg 5901 (Arnold Mental Health Center)

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
1		CO1	North	Wall	D	-0.1	--
2		CO1	East	Wall	D	-0.1	--
3		CO6	NR	Door	W	-0.1	--
4		CO6	NR	Door Frame	M	0.0	--
5		CO6	North	Wall	D	-0.1	--
6		CO6	East	Wall	D	-0.0	--
7		CO3	NR	Door	D	-0.2	--
8		CO3	NR	Door Frame	M	-0.3	--
9		CO3	South	Wall	D	-0.2	--
10		CO3	East	Wall	D	-0.4	--
11		CO2D	NR	Door	W	-0.1	--
12		CO2D	North	Wall Panel	W	-0.2	--
13		CO2D	West	Wall	D	0.0	--
14		CO2D	South	Wall	D	-0.4	--
15		**Conf B01**	**NR**	**Door**	**W**	**0.1**	**--**
16		Conf B01	NR	Door Frame	M	-0.1	--
17		Conf B01	West	Wall	D	-0.2	--
18		Conf B01	North	Wall	D	-0.1	--
19		B03	NR	Door	M	-0.3	--
20		B03	NR	Door	M	-0.1	--
21		B03	West	Wall	D	-0.1	--
22		B03	South	Wall	D	-0.1	--
23		B04	NR	Window Frame	M	-0.4	--
24		B04	South	Wall	D	-0.3	--

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--means not tested; NR means Not Recorded
*see also Appendix B, Table 2

Substrate: W = Wood D = Drywall B = Brick M = Metal P = Plaster CER = Ceramic C = Concrete S = Stucco WP = Wallpaper V = Vinyl	**Condition:** G = Good (Less than 1% Damage) F = Fair (Less than 10% Damage) P = Poor (Greater than 10% Damage)
Wall Height: (U) = Upper Wall (M) = Mid Wall (L) = Lower Wall	**Component Aspect:** I - Interior Surface E = Exterior Surface

LEAD-BASED PAINT TEST LOCATIONS AND RESULTS

Keesler Hospital Modernization
Biloxi, Mississippi

AMEC Project No. 6376-13-0046.01

Date of Survey: October 29, 2013

LOCATION: Bldg 5901 (Arnold Mental Health Center)

Sample ID	Floor	Suite/Room Area	Orientation	Component/Paint Color	Substrate	Lead K-Shell Measurement (mg/cm^2)	*Laboratory Result (% by weight)
25		B04	East	Wall	D	-0.1	--
26		B04	East	Exit Door	M	-0.1	--
27		B04	East	Exit Door Frame	M	-0.1	--
28		B04	West	Entry Door	M	-0.0	--
29		**Occupational Therapy**	**West**	**Entry Door Frame**	**M**	**0.2**	**--**
30		Occupational Therapy	West	Outer Casement	W	-0.1	--
31							--
32		CO2	NR	Plenum Truss	M	-0.1	--
33		Occupational Therapy Lobby	NR	Plenum Truss	M	-0.2	--
34		Occupational Therapy Lobby	North	Column	D	-0.1	--
35		Occupational Therapy Lobby	North	Wall	D	-0.1	--
36		Occupational Therapy Lobby	West	Wall	D	-0.0	--
37		Occupational Therapy Lobby	East	Double Door	M	-0.1	--
38		Occupational Therapy Lobby	East	Double Door Frame	M	-0.1	--
39		Occupational Therapy East Room	East	Wall	D	-0.1	--
40		Occupational Therapy East Room	North	Wall	D	-0.1	--
41		Occupational Therapy East Room	West	Wall	D	-0.2	--
42		Occupational Therapy North Room	North	Wall	D	-0.3	--
43		Occupational Therapy North Room	South	Wall	D	-0.0	--
44		Occupational Therapy NE Room	North	Wall Pole	CER	-0.3	--
45		Occupational Therapy	North	Wall	C	-0.4	--
46		Occupational Therapy	East	Wall	D	-0.2	--

BOLD means detectable concentrations of lead
--means not tested; NR means Not Recorded
*see also Appendix B, Table 2

Substrate: W = Wood D = Drywall B = Brick M = Metal P = Plaster CER = Ceramic C = Concrete S = Stucco WP = Wallpaper V = Vinyl	**Condition:** G = Good (Less than 1% Damage) F = Fair (Less than 10% Damage) P = Poor (Greater than 10% Damage)
Wall Height: (U) = Upper Wall (M) = Mid Wall (L) = Lower Wall	**Component Aspect:** I - Interior Surface E = Exterior Surface

APPENDIX C
PROTOCOLS

C.1 ASBESTOS: BULK SAMPLING AND LABORATORY ANALYSIS PROTOCOL

The survey was performed by observing accessible exposed building materials throughout the survey areas while concentrating on mechanical rooms, ventilation systems, and accessible overhead areas.

The bulk sampling procedures utilized for the collection of suspect materials first required the establishment of a homogeneous sampling area. A *homogeneous sampling area* is defined as an area of material of the same color and texture applied during the same general time period. The individual sampling areas were then examined and representative samples of suspect materials were randomly taken.

Samples were collected in accordance with the United States Environmental Protection Agency's [USEPA] Asbestos Hazard Emergency Response Act [AHERA] Protocol. The samples were collected in accordance with the following schedule:

MATERIAL	QUANTITY	NO. OF SAMPLES
MISCELLANEOUS		2
SURFACING	<1,000 SF	3
	1,000 - 4,999 SF	5
	>5,000 SF	7
THERMAL SYSTEM INSULATION	<6 SF or 6 LF	1
	>6 SF or 6 LF	3

Non-essential personnel were restricted from the area where the sampling was performed. Members of the field team wore gloves, where appropriate.

The area sampled was misted with amended water from a spray bottle and misted during sampling to minimize fiber release. The material was misted and not saturated with water. Extremely wet samples make asbestos analysis difficult and time consuming and may affect analysis by dissolving sample components. The suspect asbestos-containing material was penetrated with a knife, forceps, vial, or corer down to the structural member. The tool that minimized the disturbance to the sampled material, and was least likely to cause fiber release, and was most efficient for sampling the particular material at hand was used. Asbestos-containing materials are often layered with asbestos product being located in one of those layers.

The sample size is approximately 2 sq. cm. in area. Attempts were made to maintain the integrity of all samples.

Whenever possible, a sample was collected from previously damaged locations in order to minimize fiber release.

Each sample was placed in a clear plastic bag, sealed, and the container labeled. The sampling tool was thoroughly cleaned with a damp disposal towel. The sample area was wet-wiped of any fallen debris. If disposable protective clothing was worn, it was removed slowly and turned inside out during removal. All potentially contaminated rags, debris, suits, and/or plastic sheeting was placed into 6-mil plastic bags with asbestos warning labels. These waste bags were returned to the AMEC's project manager for proper disposal.

Once a sample had been taken, it was carefully identified with an individual sample number according to the following: a) with a permanent marker label on the sample container. b) A sample field ID number on the site and on the Bulk Sample Chain of Custody Form.

Bulk samples collected during the site survey were returned to a laboratory accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) administered by the National Institute of Standards and Technology (NIST). The samples were analyzed by Polarized Light Microscopy (PLM) coupled with dispersion staining in accordance with EPA Method EPA/600/R-93/116. Polarized Light Microscopy is an analytical method for asbestos identification which depends on the unique optical properties of mineral forms in the samples, and specifically identifies the various asbestos types. This is the recommended method of analysis by EPA for asbestos identification in bulk samples.

The results of the bulk sample analyses are reported in percent asbestos by weight utilizing visual estimation. In accordance with EPA, OSHA, and State of Florida asbestos regulations, materials containing greater than one percent regulated asbestiform minerals are reported as asbestos-containing materials.

The EPA NESHAP requires that point count analysis be performed for friable samples found to contain less than 10 percent asbestos. As discussed in the EPA Guidance Memorandum,

"Clarification of Asbestos NESHAP Requirements to perform Point Counting" dated May 8, 1991, point count analysis is an option to confirm the asbestos content of friable materials found to contain one percent or less asbestos and, therefore, not subject to regulation under the NESHAP. Point count analysis was not included in the scope of this survey. For the purposes of this survey, material found to contain greater than one percent to ten percent were assumed to contain asbestos in amounts greater than one percent.

The EPA guidance document, "Advisory regarding Availability of and Improved Asbestos Bulk sample Analysis Test Method; Supplementary information on Bulk sample Collection and Analysis" (Federal Register 38970-38971, August 1, 1994) which recommends the use of the revised PLM method (which was employed on this project) and the use of Transmission Electron Microscopy (TEM) to confirm the quantity of asbestos detected in floor tile samples. TEM analysis of floor tile samples was not included in the scope of services for this project.

C.2 PAINT CONTAINING LEAD SAMPLING AND ANALYSIS PROTOCOL

The PCL testing was performed using the Lead Paint Analyzer (LPA-1), manufactured by the Radiation Monitoring Devices (RMD). The LPA-1 is a portable, in-situ test and measurement instrument that operates on the principal of X-Ray Fluorescence. The instrument contains a small, radioactive sealed source of Cobalt 57. The LPA-1 is a hand-held scanner which contains the radioactive source and is held to the surface to be tested. The device provides an almost instantaneous measurement of K Shell atomic structure values of the material being tested in milligrams per square centimeter (mg/cm2). The lead electrons in the K (inner electron shell) are excited by the Cobalt 57 and release identifying energies that are recognized by the microprocessor by their respective spectrums, thus identifying the presence of lead and its quantity.

The areas tested were chosen by the field surveyor. During the testing of walls, the test equipment was placed on the wall at varying vertical heights (high, middle, low). During the testing of the floors, the test equipment was placed near a corner of the floor surface. During the testing of ceilings, the equipment was placed near the center of the room/area being tested.

During the collection of paint chip samples non-essential personnel were restricted from the area where the sampling was performed. Members of the field team wore gloves, where appropriate.

Paint chip samples were collected by removing an approximate 1-inch square area of paint to the substrate. The paint sample was placed in a canister or plastic bag, labeled, and sent to EMSL Analytical, Inc. in Cinnaminson, New Jersey. EMSL is an EPA NLLAP accredited laboratory. The sampling tool was thoroughly cleaned with a damp disposable towel.

Once a sample had been taken, it was carefully identified with an individual sample number according to the following: a) with a permanent marker label on the sample container; b) a sample field ID number on the site and on the Bulk Sample Chain of Custody Form.

Each paint chip sample was analyzed in accordance with Flame AAS analytical methods with results providing a lead concentration in percent by weight. This analytical method is appropriate for use according to OSHA regulations.

C.3 HAZARDOUS AND REGULATED MATERIAL SURVEY PROTOCOL

Mercury-containing fluorescent lamps
Potential PCB containing electrical insulating fluids in lighting ballasts and electrical equipment
Chlorofluorocarbons (CFCs) in water fountains, refrigerators, and HVAC equipment
Fire extinguishers
Batteries in exit signs, emergency lighting, clocks, and smoke detectors
Lead lining in X-ray rooms
Medical Air in operating areas
Pharmaceuticals
High intensity discharge lamps
Petroleum Products in compressors and escalator equipment
Mercury containing thermostats and switches
Discarded paints, pesticides, cleaners, aerosol cans, and other chemicals
Compressed gas cylinders

C.4 MOLD OBSERVATIONS PROTOCOL

The mold observations were performed by observing exposed building materials throughout the survey areas. The mold observations coincided with the performance of the asbestos survey. AMEC field staff were trained and experienced in visually identifying apparent mold and mildew

growth. Confirming apparent mold growth by sampling and laboratory analysis was not included in the scope of work.

C.5 QUALIFICATIONS OF THE REPORT

AMEC has endeavored to observe the existing conditions within the subject properties using generally accepted procedures. Regardless of the thoroughness of our testing, there is always a possibility some areas containing paint containing lead and asbestos-containing materials were overlooked or inaccessible, or are different from those specific test locations.

This report presents the general description of various suspect hazardous or regulated materials identified in the building, and the general locations where these materials were observed. It is possible that other suspect materials are present within the building. If questions arise as to the presence of identified or additional suspect materials, we should be notified in order to review the conditions and present recommendations.

This report has been prepared on behalf of and exclusively for the use of the J.E. Dunn Construction. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party or be used or relied upon by any other party, in whole or in part, without prior written consent.

APPENDIX D

ASBESTOS BULK SAMPLE LABORATORY ANALYSIS REPORTS

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/28-29/2013

On 11/4/2013, one-hundred fifty-one (151) bulk samples were submitted by Mr. Richard Brown of AMEC E & I for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288172	GH-1A	2' X 2' Ceiling Tile w/Random Scratch Pattern - Hallway by Room GH059	None Detected
CL288173	GH-1B	2' X 2' Ceiling Tile w/Random Scratch Pattern - Hallway by Room GH020	None Detected
CL288174	GH-1C	2' X 2' Ceiling Tile w/Random Scratch Pattern - in Room GH015	None Detected
CL288175	GH-1D	2' X 2' Ceiling Tile w/Random Scratch Pattern - Lobby, above Vending Machines	None Detected
CL288176	GH-1E	2' X 2' Ceiling Tile w/Random Scratch Pattern - in Room GH011	None Detected
CL288177	GH-1F	2' X 2' Ceiling Tile w/Random Scratch Pattern - in Room GH063	None Detected
CL288178	GH-1G	2' X 2' Ceiling Tile w/Random Scratch Pattern - in Room GH012	None Detected
CL288179	GH-2A	Drywall/Joint Compound - Hallway Wall near Room GH059	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288180	GH-2B	Drywall/Joint Compound - Hallway Wall near Room GH020	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288181	GH-2C	Drywall/Joint Compound - Hallway Wall in Room GH015	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288182	GH-2D	Drywall/Joint Compound - GH's Lobby Wall near Vending Machines	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288183	GH-2E	Drywall/Joint Compound - Wall in Room GH011	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288184	GH-2F	Drywall/Joint Compound - Wall in Room GH063	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/28-29/2013

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288185	GH-2G	Drywall/Joint Compound - Wall in Room GH012	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288186	GH-3A	White Duct Mastic - Hallway, above Ceiling Tiles by Room GH059	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288187	GH-3B	White Duct Mastic - Hallway, above Ceiling Tiles by Room GH020	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288188	GH-3C	White Duct Mastic - above Ceiling tiles in Room GH015	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288189	GH-3D	White Duct Mastic - Hallway, above Ceiling Tile by Room GH034	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288190	GH-3E	White Duct Mastic - above Ceiling tiles in Room GH011	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288191	GH-3F	White Duct Mastic - Hallway, above Ceiling Tile by Room GH063	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288192	GH-3G	White Duct Mastic - Hallway, above Ceiling Tile by Room GH012	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288193	GH-4A	Wall Surfacing - Walls, Hallway by Room GH036	None Detected
CL288194	GH-4B	Wall Surfacing - Walls, Hallway in GH's Reception Desk Area	None Detected
CL288195	GH-4C	Wall Surfacing - Walls, Hallway in GH's Reception Lobby	None Detected
CL288196	GH-4D	Wall Surfacing - Walls, Hallway by Room GH020, Restroom	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/28-29/2013

On 11/4/2013, one-hundred fifty-one (151) bulk samples were submitted by Mr. Richard Brown of AMEC E & I for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288197	GH-4E	Wall Surfacing - Walls, Hallway by Room GH019, Waiting Area	None Detected
CL288198	GH-4F	Wall Surfacing - Walls, Hallway by Room GH013	None Detected
CL288199	GH-4G	Wall Surfacing - Walls, Hallway by Room GH002	None Detected
CL288200	GH-5A	Red Putty - Wall Penetration above Ceiling Tiles in Room GH012	None Detected
CL288201	GH-5B	Red Putty - Wall Penetration above Ceiling Tiles in Room GH063	None Detected
CL288202	GH-6A	6" Beige Cove Base w/Yellow Glue - in Room GH061	None Detected
CL288203	GH-6B	6" Beige Cove Base w/Yellow Glue - Hallway by Room GH020	None Detected
CL288204	GH-6C	6" Beige Cove Base w/Yellow Glue - in GH's Nurse Station Restroom GH054	None Detected
CL288205	GH-6D	6" Beige Cove Base w/Yellow Glue - in Room GH034	None Detected
CL288206	GH-7A	6" Gray Cove Base w/Yellow Glue - in Room GH047	None Detected
CL288207	GH-7B	6" Gray Cove Base w/Yellow Glue - in Room GH015	None Detected
CL288208	GH-7C	6" Gray Cove Base w/Yellow Glue - in Room GH011	None Detected
CL288209	GH-7D	6" Gray Cove Base w/Yellow Glue - in Room GH048	None Detected
CL288210	GH-8A	12" X 12" Dark Beige Vinyl Floor Tile w/Yellow Glue - in GH's Lobby	None Detected - Floor Tile None Detected - Yellow Mastic
CL288211	GH-8B	12" X 12" Dark Beige Vinyl Floor Tile w/Yellow Glue - in GH's Lobby	None Detected - Floor Tile None Detected - Yellow Mastic
CL288212	GH-8C	12" X 12" Dark Beige Vinyl Floor Tile w/Yellow Glue - in GH's Lobby	None Detected - Floor Tile None Detected - Yellow Mastic
CL288213	GH-9A	Linoleum, White w/Blue Dot Pattern & Adhesive - in Room GH060	None Detected - Sheet Flooring None Detected - Clear Adhesive
CL288214	GH-9B	Linoleum, White w/Blue Dot Pattern & Adhesive - in Room GH062	None Detected - Sheet Flooring None Detected - Clear Adhesive

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

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Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/28-29/2013

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288215	GH-9C	Linoleum, White w/Blue Dot Pattern & Adhesive - in Room GH004	None Detected - Sheet Flooring None Detected - Clear Adhesive
CL288216	GH-9D	Linoleum, White w/Blue Dot Pattern & Adhesive - in Room GH066	None Detected - Sheet Flooring None Detected - Clear Adhesive
CL288217	GH-9E	Linoleum, White w/Blue Dot Pattern & Adhesive - in Room GH061	None Detected - Sheet Flooring None Detected - Clear Adhesive
CL288218	GH-10A	12" X 12" White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - in Nurse Station	None Detected - Floor Tile None Detected - Yellow Mastic
CL288219	GH-10B	12" X 12" White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - in Hallway by Room GH065	None Detected - Floor Tile None Detected - Yellow Mastic
CL288220	GH-10C	12" X 12" White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - by Room GH056	None Detected - Floor Tile None Detected - Yellow Mastic
CL288221	GH-10D	12" X 12" White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - by Room GH019	None Detected - Floor Tile None Detected - Yellow Mastic
CL288222	GH-10E	12" X 12" White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - by Room GH029	None Detected - Floor Tile None Detected - Yellow Mastic
CL288223	GH-11A	12" X 12" Light Gray w/White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - in Room GH015	None Detected - Floor Tile None Detected - Yellow Mastic
CL288224	GH-11B	12" X 12" Light Gray w/White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - in Room GH056	None Detected - Floor Tile None Detected - Yellow Mastic
CL288225	GH-11C	12" X 12" Light Gray w/White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - in Room GH029	None Detected - Floor Tile None Detected - Yellow Mastic
CL288226	GH-11D	12" X 12" Light Gray w/White & Gray Streaks Vinyl Floor Tile w/Yellow Glue - in Room GH058	None Detected - Floor Tile None Detected - Yellow Mastic
CL288227	GH-12A	Black Sink Undercoating - Sink in Room GH065	None Detected
CL288228	GH-12B	Black Sink Undercoating - Sink in Room GH066	None Detected

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Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/28-29/2013

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288229	GH-13A	White Caulk around Sink - in Room GH063	None Detected
CL288230	GH-13B	White Caulk around Sink - in Room GH061	None Detected
CL288231	GH-13C	White Caulk around Sink - in Room GH004, Men's Restroom	None Detected
CL288232	GH-14A	Tan Putty under Sink - in Room GH065	None Detected
CL288233	M5A106-1A	Gray Duct Mastic - Metal Duct Seams, Mechanical Room 5A106	None Detected
CL288234	M5A106-1B	Gray Duct Mastic - Metal Duct Seams, Mechanical Room 5A106	None Detected
CL288235	M5A106-2A	Brown Mastic - Metal Duct Seams, Mechanical Room 5A106	None Detected
CL288236	M5A106-2B	Brown Mastic - Metal Duct Seams, Mechanical Room 5A106	None Detected
CL288237	M5A106-3A	Dark Mastic - Metal Duct Seams, Mechanical Room 5A106	None Detected
CL288238	M5A106-3B	Dark Mastic - Metal Duct Seams, Mechanical Room 5A106	None Detected
CL288239	M5A219-1A	Black Duct Mastic - South Wall, Old Duct Section, Mechanical Room 5A219	None Detected - Black Mastic None Detected - Insulation
CL288240	M5A219-1B	Black Duct Mastic - South Wall, Old Duct Section, Mechanical Room 5A219	None Detected - Black Mastic None Detected - Insulation
CL288241	M5A219-2A	Gray Duct Mastic - Metal Duct, Mechanical Room 5A219	None Detected
CL288242	M5A219-2B	Gray Duct Mastic - Metal Duct, Mechanical Room 5A219	None Detected
CL288243	M4A222-1A	Gray Duct Mastic - South Wall, Mechanical Room 4A222	None Detected
CL288244	M4A222-1B	Gray Duct Mastic - South Wall, Mechanical Room 4A222	None Detected
CL288245	M4A222-2A	Mortar - South Wall, Mechanical Room 4A222	None Detected
CL288246	M4A222-2B	Mortar - West Wall, Mechanical Room 4A222	None Detected
CL288247	M4A222-2C	Mortar - East Wall, Mechanical Room 4A222	None Detected
CL288248	M4A222-2D	Mortar - North Wall, Mechanical Room 4A222	None Detected
CL288249	M4A222-3A	Yellow Mastic - North Wall near Door, Mechanical Room 4A222	None Detected

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NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/28-29/2013

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288250	M4A222-4A	Red Putty - South Wall above Door, Mechanical Room 4A222	None Detected
CL288251	M4A222-4B	Red Putty - South Wall above Door, Mechanical Room 4A222	None Detected
CL288252	M4A222-5A	Black Duct Mastic - South Wall above Door, Mechanical Room 4A222	10% Chrysotile - Black Mastic 10% Chrysotile - Spray-Applied Tx
CL288253	M4A222-5B	Black Duct Mastic - South Wall above Door, Mechanical Room 4A222	Not Analyzed - Positive Stop
CL288254	M4A222-5C	Black Duct Mastic - West Wall near Hot Water Pipes, Mechanical Room 4A222	Not Analyzed - Positive Stop
CL288255	M4A222-5D	Black Duct Mastic - West Wall near Hot Water Pipes, Mechanical Room 4A222	Not Analyzed - Positive Stop
CL288256	M4A222-6A	Beige Duct Mastic - West Wall near Hot Water Pipes, Mechanical Room 4A222	None Detected - Beige Mastic None Detected - Wrap None Detected - Insulation
CL288257	M4A222-6B	Beige Duct Mastic - West Wall near Hot Water Pipes, Mechanical Room 4A222	None Detected - Beige Mastic None Detected - Wrap None Detected - Insulation
CL288258	M4A222-6C	Beige Duct Mastic - West Wall near Hot Water Pipes, Mechanical Room 4A222	None Detected - Beige Mastic None Detected - Wrap None Detected - Insulation
CL288259	M4A222-7A	Black Mastic Patch - West Wall, Mechanical Room 4A222	None Detected
CL288260	M4A222-7B	Black Mastic Patch - West Wall, Mechanical Room 4A222	None Detected
CL288261	M4A222A-8A	Drywall/Joint Compound - West Wall, Mechanical Room 4A222	None Detected - Paint Layer None Detected - Paper None Detected - Wallboard Material
CL288262	M4A222A-8B	Drywall/Joint Compound - North Wall, Mechanical Room 4A222	None Detected - Paint Layer None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material

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Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/28-29/2013

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288263	M4A222A-8C	Drywall/Joint Compound - Southeast Wall, Mechanical Room 4A222	None Detected - Paint Layer None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288264	M4A222A-8D	Drywall/Joint Compound - Northeast Wall, Mechanical Room 4A222	None Detected - Paint Layer None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288265	M4A222A-9A	Red Putty - Southeast Wall, Mechanical Room 4A222A	None Detected
CL288266	M4A222A-9B	Red Putty - Southwest Wall, Mechanical Room 4A222A	None Detected
CL288267	M4A222A-10A	Gray Duct Mastic - in Fresh Air Intake Metal Frame, Mechanical Room 4A222A	None Detected
CL288268	M4A222A-10B	Gray Duct Mastic - in Fresh Air Intake Metal Frame, Mechanical Room 4A222A	None Detected
CL288269	M4A222A-10C	Gray Duct Mastic - in Fresh Air Intake Metal Frame, Mechanical Room 4A222A	None Detected
CL288270	M4A222A-11A	Light Gray Fireproofing - Deck & Beams, Mechanical Room 4A222A	None Detected
CL288271	M4A222A-11B	Light Gray Fireproofing - Deck & Beams, Mechanical Room 4A222A	None Detected
CL288272	M4A222A-11C	Light Gray Fireproofing - Deck & Beams, Mechanical Room 4A222A	None Detected
CL288273	M4A222A-11D	Light Gray Fireproofing - Deck & Beams, Mechanical Room 4A222A	None Detected
CL288274	M4A222A-11E	Light Gray Fireproofing - Deck & Beams, Mechanical Room 4A222A	None Detected

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288275	M4A222A-11F	Light Gray Fireproofing - Deck & Beams, Mechanical Room 4A222A	None Detected
CL288276	4A-1A	12" X 12" Light Beige Floor Tile w/Brown Streaks/Black Mastic - in Room 4A176	2% Chrysotile - Floor Tile 5% Chrysotile - Black Mastic
CL288277	4A-1B	12" X 12" Light Beige Floor Tile w/Brown Streaks/Black Mastic - in Room 4A163	Not Analyzed - Positive Stop
CL288278	4A-1C	12" X 12" Light Beige Floor Tile w/Brown Streaks/Black Mastic - in Room 4A149	Not Analyzed - Positive Stop
CL288279	4A-1D	12" X 12" Light Beige Floor Tile w/Brown Streaks/Black Mastic - in Room 4A104	Not Analyzed - Positive Stop
CL288280	4A-2A	12" X 12" Light Gray Floor Tile w/Brown& White Streaks - in Hallway by Stairwell 4A1	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound
CL288281	4A-2B	12" X 12" Light Gray Floor Tile w/Brown& White Streaks - in Hallway by Room 4A165	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic
CL288282	4A-2C	12" X 12" Light Gray Floor Tile w/Brown& White Streaks - in Nurses' Station	None Detected - Floor Tile None Detected - Yellow Mastic
CL288283	4A-2D	12" X 12" Light Gray Floor Tile w/Brown& White Streaks - in Hallway by Room 4A134	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic
CL288284	4A-3A	6" Beige Cove Base w/Brown/Yellow Glue - in Hallway by Stairwell 4A1	None Detected
CL288285	4A-3B	6" Beige Cove Base w/Brown/Yellow Glue - in Hallway by Room 4A165	None Detected
CL288286	4A-3C	6" Beige Cove Base w/Brown/Yellow Glue - in Hallway by Room 4A134	None Detected
CL288287	4A-3D	6" Beige Cove Base w/Brown/Yellow Glue - in Hallway by Mechanical Room 4A106 Door	None Detected
CL288288	4A-4A	2' X 2' Ceiling Tile, White w/Pinholes Pattern - in Hallway by Room 4A176	None Detected

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288289	4A-4B	2' X 2' Ceiling Tile, White w/Pinholes Pattern - in Hallway by Room 4A174	None Detected
CL288290	4A-4C	2' X 2' Ceiling Tile, White w/Pinholes Pattern - in Hallway by Room 4A167	None Detected
CL288291	4A-4D	2' X 2' Ceiling Tile, White w/Pinholes Pattern - in Nurses' Station	None Detected
CL288292	4A-4E	2' X 2' Ceiling Tile, White w/Pinholes Pattern - in Hallway by Room 4A119	None Detected
CL288293	4A-4F	2' X 2' Ceiling Tile, White w/Pinholes Pattern - in Hallway by Mechanical Room 4A106 Door	None Detected
CL288294	4A-4G	2' X 2' Ceiling Tile, White w/Pinholes Pattern - in Hallway by Waiting Room	None Detected
CL288295	4A-5A	Black Duct Mastic - Hallway above Ceiling Tile by Room 4A176	None Detected - Wrap 10% Chrysotile - Black Mastic None Detected - Insulation
CL288296	4A-5B	Black Duct Mastic - Hallway above Ceiling Tile by Room 4A174	None Detected - Black Mastic None Detected - Insulation
CL288297	4A-5C	Black Duct Mastic - Hallway above Ceiling Tile by Room 4A167	None Detected - Black Mastic None Detected - Insulation
CL288298	4A-5D	Black Duct Mastic - Hallway above Ceiling Tile by Room 4A170	None Detected - Wrap 10% Chrysotile - Black Mastic None Detected - Insulation
CL288299	4A-6A	Wall Surfacing - in Hallway Walls by Room 4A174	None Detected
CL288300	4A-6B	Wall Surfacing - in Hallway Walls by Room 4A167	None Detected
CL288301	4A-6C	Wall Surfacing - in Hallway Walls by Room 4A122	None Detected
CL288302	4A-6D	Wall Surfacing - in Hallway Walls by Room 4A111	None Detected
CL288303	4A-6E	Wall Surfacing - in Hallway Walls by Room 4A117	None Detected
CL288304	4A-6F	Wall Surfacing - in Hallway Walls by Room 4A102	None Detected
CL288305	4A-6G	Wall Surfacing - in Hallway Walls by Room 4A134	None Detected

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Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288306	4A-7A	White Duct Mastic - in Hallway above Ceiling Tiles by Room 4A176	5% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation
CL288307	4A-7B	White Duct Mastic - in Hallway above Ceiling Tiles by Room 4A170	5% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation
CL288308	4A-7C	White Duct Mastic - in Hallway above Ceiling Tiles by Room 4A167	5% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation
CL288309	4A-7D	White Duct Mastic - in Hallway above Ceiling Tiles by Room 4A102	5% Chrysotile - White Mastic None Detected - Wrap
CL288310	4A-7E	White Duct Mastic - in Hallway above Ceiling Tiles by Room 4A119	5% Chrysotile - White Mastic None Detected - Wrap
CL288311	4A-8A	White Duct Mastic - in Mechanical Room 4A106	10% Chrysotile
CL288312	4A-8B	White Duct Mastic - in Mechanical Room 4A106	Not Analyzed - Positive Stop
CL288313	4A-8C	White Duct Mastic - in Mechanical Room 4A106	Not Analyzed - Positive Stop
CL288314	4A-9A	Vibration Joint - in Mechanical Room 4A106	None Detected
CL288315	4A-10A	White Wrap on Metal Duct Seam - in Mechanical Room 4A106	10% Chrysotile
CL288316	4A-10B	White Wrap on Metal Duct Seam - in Mechanical Room 4A106	Not Analyzed - Positive Stop
CL288317	4A-11A	Brown Mastic on Metal Duct - in Mechanical Room 4A106	None Detected
CL288318	4A-11B	Brown Mastic on Metal Duct - in Mechanical Room 4A106	None Detected
CL288319	4A-12A	White Tape on Metal Duct - in Mechanical Room 4A106	None Detected
CL288320	4A-12B	White Tape on Metal Duct - in Mechanical Room 4A106	None Detected
CL288321	4A-13A	Gray Caulk on Metal Duct - in Mechanical Room 4A106	None Detected
CL288322	4A-13B	Gray Caulk on Metal Duct - in Mechanical Room 4A106	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	11/20/2013 R
Project No:	6376-13-0046.01	Sample Date:	10/28-29/2013
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 11/4/2013, one-hundred fifty-one (151) bulk samples were submitted by Mr. Richard Brown of AMEC E & I for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: Kathy Schosek, John R. Cates

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Page 1

Company: AMEC Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB Project

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / ~~3-4 Day~~ / 5 Day	Sample Description/Location
288172	GH-1A	10/28/13	2'x2' Ceiling tile w/ Random scratch pattern	Hallway by Rm GH059
288173	1B			GH020
288174	1C			in Room GH015
288175	1D			lobby, Moove Vending machines
288176	1E			in Room GH011
288177	1F			GH063
288178	1G			GH012
288179	GH2A		DW/fc	Hallway wall near Room GH059
288180	2B			GH020
288181	2C			In Room GH015
288182	2D			GH's lobby wall near Vending machines
288183	2E			wall in Room GH011

Relinquished By	Date	Received By	Date	FED-EX Time	Special Instructions
Michael Cobb	10-30-13	[signature]	11/4/13	1039	Richard Brown Phone # (850) 478-8100

AF72005-06 - issued 08/01/2011

CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Page 2

Company: AMEC Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr (RUSH)	STD	3-4 Day	5 Day	Sample Description/Location
288184	GH-2F	10/28/13	DW/JC — WALL in ROOM GH063				
288185	-2G		"	"	"	"	GH012
288186	GH-3A		White Duct Mastic — HALLWAY, Above Ceiling tiles by Room GH059				
288187	3B		"		"	"	GH020 (Rest Room)
288188	3C		—				Above Ceiling tiles IN Room GH015
288189	3D		— HALLWAY, Above Ceiling tiles by Room GH034				
288190	3E		—				Above Ceiling tiles IN Room GH011
288191	3F		— HALLWAY, Above Ceiling tiles by Room GH063				
288192	3G		"		"	"	GH012
288193	GH-4A		Wall Surfacing — WALLS HALLWAY by Room GH036				
288194	4B		"		"		in GH's Reception Desk Area
288195	4C	"	"		"		in GH's Lobby Column

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael cobb	10-30-13	[signature]	11/4/13	1039	

AF72005-06 - issued 08/01/2011

CatesLab Project No PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Page 3

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email✓ Positive Stop? Yes✓ No

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr (RUSH) / STD / 3-4 Day / 5 Day	Sample Description/Location
288196	GH-4D	10/28/13	Wall Surfacing - Walls Hallway	by Room GH020 (Rest Room)
288197	4E			by Room GH019 (Waiting Area)
288198	4F			by Rm GH013
288199	4G			by Rm GH002
288200	GH-5A		Red Putty - Wall Penetration	Above ceiling tiles in Room GH012
288201	5B			in Room GH063
288202	GH-6A		6" Beige Cove base w/yellow glue,	in Room GH061
288203	6B			Hallway by Room GH020
288204	6C			in GH's Nurse Station Rest Room GH054
288205	6D			in Room GH 034
288206	GH-7A		6" Grey Cove base w/yellow glue	in Room GH047
288207	7B			in Room GH015

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael Cobb	10-30-13		11/4/13	1039	

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 4

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH)	STD	3-4 Day	5 Day	Sample Description/Location
288208	GH-7C	10/28/13	6" Grey Cove Base w/ yellow glue				in Room GH-011
288209	7D						in Room GH-048
288210	GH-8A		12"X12" Dark Beig VFT w/ yellow glue				in GH's Lobby
288211	8B						
288212	8C						
288213	GH-9A		Linoleum, White w/ Blue dot Pattern And Adhesive				in Room GH060
288214	9B						in Room GH 062
288215	9C						in Room GH004
288216	9D						in Room GH 066
288217	9E						in Room GH061
288218	GH-10A		12"X12" White VFT w/ yellow glue And Grey streaks				in Nurse Station
288219	10B						in Hallway by RM GH065

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael Cobb	10-30-13	[signature]	11/4/13	1039	

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CatesLab Project No PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 5

Company: AMEC Pensacola, Florida Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr (RUSH) / STD / 3-4 Day / 5 Day	Sample Description/Location
288220	GH-10C	10/28/13	12"X12" White VF+ with Grey Streaks, Black yellow glue	by Room GH056
288221	10D			by Room GH019
288222	10E			by Room GH029
288223	GH-11A		12"X12" Lt. Grey VF+ w/yellow glue with white and Grey Streaks	in Room GH015
288224	11B			in Room GH056
288225	11C			in Room GH029
288226	11D			in Room GH058
288227	GH-12A		Black Sink undercoating - Sink in Room GH065	
288228	12B			GH066
288229	GH-13A		White Caulk Around Sink in Room GH063	
288230	13B			GH061
288231	13C			GH004 (Men's RR)
288232	GH-14A	10/28/13	Tan Putty under Sink in Room GH065	

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	10-30-13	[illegible]	11/4/13	1039	

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CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 6

Company: AMec-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No

Project No. 6376-13-00046.01 Project Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288233	M5A106-1A	10/29/13	Grey duct Mastic - Metal duct Seams - Mech. Rm - 5A106	
288234	1B		do do —	
288235	M5A106-2A		Brown Mastic - Metal duct Seams —	
288236	2B		do do —	
288237	M5A106-3A		Dark Mastic - Metal duct Seams —	
288238	3B		do do — do	
288239	M5A219-1A		Black duct Mastic - South Wall old duct section — Mech. Rm. 5A219 -	
288240	M5A219-1B		do do —	
288241	M5A219-2A		Grey duct Mastic - Metal duct —	
288242	2B	do	do do — do	

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael cobb	10-30-13	[signature]	11/4/13	1037	

AF72005-06 - issued 08/01/2011

CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 7

Company: AMEC - Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288243	M4A222-1A	10/29/13	Grey duct mastic on South wall –	mech RM 4A222
288244	1B		" " –	
288245	M4A222-2A		Mortar – South wall –	
288246	2B		West wall –	
288247	2C		East wall –	
288248	2D		North wall –	
288249	M4A222-3A		yellow mastic – North wall near door –	
288250	M4A222-4A		Red putty – South wall Above door –	
288251	4B		" " –	
288252	M4A222-5A		Black duct mastic – South wall – Above door –	
288253	5B		– " –	
288254	5C		" – West wall near Hot water Pipes –	

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	10-30-13	[signature]	11/4/13	1039	

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CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Page 8

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal ___ Fax ___ Email ✓ Positive Stop? Yes ✓ No ___

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288255	M4A222-5D	10/29/13		BLK duct Mastic - West WALL near Hot Water Pipes — Mech Rm 4A222
288256	M4A222-6A			Beige duct Mastic -
288257	6B			—
288258	6C			—
288259	M4A222-7A			BLK Mastic Patch on West WALL
288260	7B			
288261	M4A222A-8A			DW/TC - West WALL
288262	8B			- North WALL
288263	8C			- South EAST WALL
288264	8D			- North EAST WALL
288265	M4A222A 9A			Red Putty - South EAST WALL — Mech. Rm. 4A222A
288266	9B			- South West WALL

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael cobb	10-30-13	[signature]	11/4/13	1037	

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___ of ___

CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 9

Company: AMec - Pensacola Inc. Results to: Richard Brown Verbal ___ Fax ___ Email ✓ Positive Stop? Yes ✓ No ___

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH)	STD	3-4 Day	5 Day	Sample Description/Location
288267	M4A222A-10A	10/29/13	Grey Duct Mastic in Fresh Air intake Metal Frame — Mech. Rm. 4A222A				
288268	10B		—				
288269	10C		—				
288270	M4A222A-11A		Lt. Grey Fireproofing - Deck And Beams —				
288271	11B		—				
288272	11C		—				
288273	11D		—				
288274	11E		—				
288275	11F		—				
288276	4A-1A		12"X12" Lt. Beige W/Brown Streaks/Blk Mastic in Room 4A176				
288277	1B						4A163
288278	1C						4A149

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael cole	10-30-13	[signature]	11/4/13	1039	

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242 (41381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 10

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal ___ Fax ___ Email ✓ Positive Stop? Yes ✓ No ___

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description Location
288279	4A-1D	10/29/13		12"X12" Lt. Beige w/Brown Streaks/Blk Mastic in Room 4A104 –
288280	4A-2A			12"X12" Lt. Grey w/Brown & White Streaks – in Hallway by Stairwell 4A1
288281	2B			– " RM 4A165
288282	2C			— in Nurses' Station
288283	2D			– in Hallway by RM 4A134
288284	4A-3A			6" Beige Cove Base w/Brown-yellow glue – In Hallway by Stairwell 4A1
288285	3B			by RM 4A165
288286	3C			by Rm 4A134
288287	3D			by Mech Room 4A106 door
288288	4A-4A			2'X2' Ceiling tile, White w/Pin Holes Pattern – In Hallway by RM 4A176
288289	4B			4A174
288290	4C			4A167

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	10-30-13	[illegible]	11/4/13	1039	

AF72005-06 - issued 08/01/2011

CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 11

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288291	4A-4D	10/29/13	2'x2' c.t., white w/Pin Holes Pattern	In Nurses' Station
288292	4E			In Hallway by Room 4A119
288293	4F			Mech. Room 4A106 door
288294	4G			by waiting Room
288295	4A-5A		Blk duct mastic, Hallway Above ceiling tile	by Room 4A176
288296	5B			4A174
288297	5C			4A167
288278	5D			4A170
288299	4A-6A		Wall Surfacing, in Hallway walls	by RM 4A174
288300	6B			4A167
288301	6C			4A122
288302	6D			4A111

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	10-30-13	[signature]	11/4/13	1039	

AF72005-06 - issued 08/01/2011

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 12

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal ___ Fax ___ Email ✓ Positive Stop? Yes ✓ No ___

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field ID No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288303	4A-6E	10/29/13	Wall Surfacing, in Hallway walls, by Room 4A117	
288304	6F			4A102
288305	6G			4A134
288306	4A-7A		White duct mastic, in Hallway above ceiling tiles by Room 4A176	
288307	7B			4A170
288308	7C			4A167
288309	7D			4A102
288310	7E			4A119
288311	4A-8A		White Duct Mastic, in Mechanical Room 4A106	
288312	8B			
288313	8C			
288314	4A-9A		Vibration Joint, in Mech. Room 4A106	

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	10-30-13	[signature]	11/4/13	1039	

AF72005-06 - Issued 08/01/2011

CatesLab Project No PLM-7242 (11381)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody PAGE 13

Company: AMEC-PENSACOLA, FL Results to Richard Brown Verbal ___ Fax ___ Email ✓ Positive Stop? Yes ✓ No

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH	STD	3-4 Day	5 Day	Sample Description Location
288315	4A-10A	10/29/13	White wrap on metal duct seam				in Mech. Rm. 4A106
288316	10B		"		"		in
288317	4A-11A		Brown mastic on metal duct				in
288318	11B		"		"		in
288319	4A-12A		White tape on metal duct				in
288320	12B		"		"		in
288321	4A-13A		Grey caulk on metal duct				in
288322	13B	"	"		"		in "

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	10-30-13	[signature]	11/4/13	1039	

AF72005-06 - issued 08/01/2011

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/30-31/2013

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL289001	1A-1A	Linoleum w/Light Blue Dots & Black Mastic - in Room 1A129	None Detected - Sheet Flooring None Detected - Yellow Mastic
CL289002	1A-1B	Linoleum w/Light Blue Dots & Black Mastic - in Room 1A228A	None Detected - Sheet Flooring None Detected - Yellow Mastic
CL289003	1A-1C	Linoleum w/Light Blue Dots & Black Mastic - by Stairwell 1A1	None Detected - Sheet Flooring None Detected - Black Mastic
CL289004	1A-2A	12" X 12" Vinyl Floor Tile, Light Beige w/Gray Streaks & Yellow Glue - Records Room, West Wall	None Detected - Floor Tile None Detected - Yellow Mastic
CL289005	1A-2B	12" X 12" Vinyl Floor Tile, Light Beige w/Gray Streaks & Yellow Glue - Center of Records Room	None Detected - Floor Tile None Detected - Yellow Mastic
CL289006	1A-3A	Drywall/Joint Compound - above Ceiling Tile in Room 1A129	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289007	1A-3B	Drywall/Joint Compound - above Ceiling Tile by Room 1A206	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289008	1A-3C	Drywall/Joint Compound - above Ceiling Tile, Top of Lobby's Column	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289009	1A-3D	Drywall/Joint Compound - above Ceiling Tile by Stairwell 1A1	None Detected - Paint Layer None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289010	1A-3E	Drywall/Joint Compound - above Ceiling Tile by Elevators	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289011	1A-4A	Black Mastic Duct - above Ceiling Tiles in Room 1A129	None Detected
CL289012	1A-4B	Black Mastic Duct - above Ceiling Tiles by Restroom 1A206	5% Chrysotile

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/30-31/2013

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL289013	1A-5A	2' X 2' Ceiling Tile, Smooth Surface w/Small Pinholes - in Room 1A129	None Detected
CL289014	1A-5B	2' X 2' Ceiling Tile, Smooth Surface w/Small Pinholes - in Room 1A222	None Detected
CL289015	1A-5C	2' X 2' Ceiling Tile, Smooth Surface w/Small Pinholes - in Lobby, Main Entrance	None Detected
CL289016	1A-6A	2' X 2' Ceiling Tiles w/Pinholes - Hallway by Room 1A205	None Detected
CL289017	1A-6B	2' X 2' Ceiling Tiles w/Pinholes - Hallway by Room 1A223	None Detected
CL289018	1A-7A	Wall Surfacing - Hallway by Water Fountain & Room 1A205	None Detected
CL289019	1A-7B	Wall Surfacing - Hallway by Stairwell 1A1	None Detected
CL289020	1A-8A	6" Beige Cove Base w/Yellow Glue - by Restroom 1A206	None Detected
CL289021	1A-8B	6" Beige Cove Base w/Yellow Glue - in Room 1A228A	None Detected
CL289022	1A-8C	6" Beige Cove Base w/Yellow Glue - by Stairwell 1A1	None Detected
CL289023	1A-9A	12" X 12" Vinyl Floor Tile, Beige w/Red & Gray Streaks & Adhesive - by Room 1A210	None Detected - Floor Tile None Detected - Yellow Mastic
CL289024	1A-9B	12" X 12" Vinyl Floor Tile, Beige w/Red & Gray Streaks & Adhesive - in Room 1A205	None Detected - Floor Tile None Detected - Yellow Mastic
CL289025	1A-10A	Yellow Glue - Stairwell 1A1 under Skid Guard, 1st Floor	None Detected
CL289026	1A-10B	Yellow Glue - Stairwell 1A1 under Skid Guard, 1st Floor	None Detected
CL289027	1A-11A	Cove Base, Black & Yellow Glue - Stairwell 1A1, 1st Floor	None Detected
CL289028	1A-11B	Cove Base, Black & Yellow Glue - Stairwell 1A1, 1st Floor	None Detected
CL289029	1A-12A	White Duct Mastic - above Ceiling Tile in Lobby Area	15% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation
CL289030	1A-12B	White Duct Mastic - above Ceiling Tile in Lobby Area	15% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/30-31/2013

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL289031	1A-13A	Yellow Glue - Stairwell 1A3 under Skid Guard, 3rd Floor	None Detected
CL289032	1A-13B	Yellow Glue - Stairwell 1A3 under Skid Guard, 3rd Floor	None Detected
CL289033	1A-14A	Cove Base, Black & Yellow Glue - Stairwell 1A3, 3rd Floor	None Detected
CL289034	1A-14B	Cove Base, Black & Yellow Glue - Stairwell 1A3, 3rd Floor	None Detected
CL289035	1A-15A	Yellow Glue - Stairwell 2B1 under Skid Guard, 2nd Floor	None Detected
CL289036	1A-15B	Yellow Glue - Stairwell 2B1 under Skid Guard, 2nd Floor	None Detected
CL289037	1A-16A	Cove Base, Black & Yellow Glue - Stairwell 2B1, 2nd Floor	None Detected
CL289038	1A-16B	Cove Base, Black & Yellow Glue - Stairwell 2B1, 2nd Floor	None Detected
CL289039	1A-17A	Yellow Glue - Stairwell 2B2 under Skid Guard, 2nd Floor	None Detected
CL289040	1A-17B	Yellow Glue - Stairwell 2B2 under Skid Guard, 2nd Floor	None Detected
CL289041	1A-18A	Cove Base, Black & Yellow Glue - Stairwell 2B2, 2nd Floor	None Detected
CL289042	1A-18B	Cove Base, Black & Yellow Glue - Stairwell 2B2, 2nd Floor	None Detected
CL289043	1G-1A	Wall Surfacing - Wall, Hallway by Elevator #7	None Detected
CL289044	1G-1B	Wall Surfacing - Wall, Hallway by Room 1G129	None Detected
CL289045	1G-1C	Wall Surfacing - Wall, Hallway by Restrooms	None Detected
CL289046	1G-1D	Wall Surfacing - Wall, Waiting Area	None Detected
CL289047	1G-2A	Red Putty - Hallway above Ceiling Tiles by Room 1G111	None Detected
CL289048	1G-2B	Red Putty - Hallway above Ceiling Tiles by Room 1G213	None Detected
CL289049	1G-3A	White Duct Mastic - Hallway above Ceiling Tiles by Room 1G109	5% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation
CL289050	1G-3B	White Duct Mastic - Hallway above Ceiling Tiles by Room 1G129	5% Chrysotile - White Mastic None Detected - Wrap

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/30-31/2013

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL289051	1G-3C	White Duct Mastic - Hallway above Ceiling Tiles by Room 1G415	5% Chrysotile - White Mastic None Detected - Wrap
CL289052	1G-4A	Black Duct Mastic - Hallway above Ceiling Tiles by Elevator #7	10% Chrysotile - Wrap/Mastic None Detected - Insulation
CL289053	1G-4B	Black Duct Mastic - Hallway above Ceiling Tiles by Room 1G434	10% Chrysotile - Black Mastic None Detected - Wrap
CL289054	1G-4C	Black Duct Mastic - Hallway above Ceiling Tiles by Room 1G315	10% Chrysotile - Black Mastic None Detected - Wrap
CL289055	1G-5A	2' X 2' Ceiling Tiles w/Pinholes/Scratches - in Waiting Room	None Detected
CL289056	1G-5B	2' X 2' Ceiling Tiles w/Pinholes/Scratches - Hallway by Room 1G415	None Detected
CL289057	1G-5C	2' X 2' Ceiling Tiles w/Pinholes/Scratches - Hallway by Room 1G109	None Detected
CL289058	1G-5D	2' X 2' Ceiling Tiles w/Pinholes/Scratches - Hallway by Room 1G111	None Detected
CL289059	1G-5E	2' X 2' Ceiling Tiles w/Pinholes/Scratches - Hallway by Room 1G138	None Detected
CL289060	1G-5F	2' X 2' Ceiling Tiles w/Pinholes/Scratches - Hallway by Room 1G213	None Detected
CL289061	1G-6A	Drywall/Joint Compound - in Walls above Ceiling Tiles	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289062	1G-6B	Drywall/Joint Compound - in Walls above Ceiling Tiles	None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289063	1G-6C	Drywall/Joint Compound - in Walls above Ceiling Tiles	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289064	1G-6D	Drywall/Joint Compound - in Walls above Ceiling Tiles	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/30-31/2013

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL289065	1G-7A	6" Beige Cove Base Yellow Glue - Hallway by Elevator #7	None Detected
CL289066	1G-7B	6" Beige Cove Base Yellow Glue - Hallway by Room 1G213	None Detected
CL289067	1G-8A	9" X 9" Vinyl Floor Tile, Tan w/Black Mastic - Room 1G415	10% Chrysotile - Floor Tile 5% Chrysotile - Black Mastic
CL289068	1G-8B	9" X 9" Vinyl Floor Tile, Tan w/Black Mastic - Room 1G417	Not Analyzed - Positive Stop
CL289069	1G-8C	9" X 9" Vinyl Floor Tile, Tan w/Black Mastic - Room 1G416	Not Analyzed - Positive Stop
CL289070	1G-9A	12" X 12" Vinyl Floor Tile, Light Beige w/Red & Gray Streaks & Adhesive - Storage Room	None Detected - Floor Tile None Detected - Yellow Mastic
CL289071	1G-9B	12" X 12" Vinyl Floor Tile, Light Beige w/Red & Gray Streaks & Adhesive - Room 1G 315	None Detected - Floor Tile None Detected - Black Mastic
CL289072	1F-1A	12" X 12" Vinyl Floor Tile, Light Beige w/Gray Streaks - Room 1F162	None Detected - Floor Tile None Detected - Yellow Mastic
CL289073	1F-1B	12" X 12" Vinyl Floor Tile, Light Beige w/Gray Streaks - Room 1F306	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic
CL289074	1F-2A	Drywall/Joint Compound - Room 1F162	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289075	1F-2B	Drywall/Joint Compound - Room 1F306	None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289076	1F-2C	Drywall/Joint Compound - Room 1F205	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL289077	1F-2D	Drywall/Joint Compound - Room 1F113	None Detected - Paper None Detected - Wallboard Material

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/30-31/2013

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL289078	1F-3A	2' X 2' Ceiling Tiles w/Pinholes & Scratches - Hallway near Main Lobby & Escalators	None Detected
CL289079	1F-3B	2' X 2' Ceiling Tiles w/Pinholes & Scratches - Hallway near Waiting Room Entrance	None Detected
CL289080	1F-3C	2' X 2' Ceiling Tiles w/Pinholes & Scratches - Hallway near Room 1F213	None Detected
CL289081	1F-3D	2' X 2' Ceiling Tiles w/Pinholes & Scratches - Hallway near Room 1F309	None Detected
CL289082	1F-4A	Wall Surfacing - Hallway Wall near Waiting Room	None Detected
CL289083	1F-4B	Wall Surfacing - Hallway by Room 1F400	None Detected
CL289084	1F-5A	6" Beige Cove Base w/Yellow Glue - in Room 1F162	None Detected
CL289085	1F-5B	6" Beige Cove Base w/Yellow Glue - in Room 1F400	None Detected
CL289086	1F-6A	12" X 12" Vinyl Floor Tile w/Yellow Glue - in Room 1F114	None Detected - Floor Tile None Detected - Yellow Mastic
CL289087	1F-6B	12" X 12" Vinyl Floor Tile w/Yellow Glue - in Room 1F303	None Detected - Floor Tile None Detected - Yellow Mastic
CL289088	1F-6C	12" X 12" Vinyl Floor Tile w/Yellow Glue - in Room 1F215	None Detected - Floor Tile None Detected - Yellow Mastic
CL289089	1F-7A	2' X 4' Ceiling Tiles - Room 1F162	None Detected
CL289090	1F-7B	2' X 4' Ceiling Tiles - Room 1F333	None Detected
CL289091	1F-7C	2' X 4' Ceiling Tiles - Waiting Room 1F100	None Detected
CL289092	1F-7D	2' X 4' Ceiling Tiles - Hallway by Room 1F114	None Detected
CL289093	1F-7E	2' X 4' Ceiling Tiles - Hallway by Room 1F234	None Detected
CL289094	1F-7F	2' X 4' Ceiling Tiles - Hallway by Room 1F311	None Detected
CL289095	1F-8A	White Duct Mastic - Hallway above Ceiling Tiles near Main Lobby & Escalators	5% Chrysotile - White Mastic None Detected - Wrap

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/30-31/2013

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL289096	1F-8B	White Duct Mastic - Hallway above Ceiling Tiles in Room 1F306	5% Chrysotile - White Mastic None Detected - Wrap
CL289097	1F-9A	12" X 12" Dark Gray Vinyl Floor Tile w/Red Streaks - in Room 1F142	None Detected - Floor Tile None Detected - Yellow Mastic
CL289098	1F-9B	12" X 12" Dark Gray Vinyl Floor Tile w/Red Streaks - in Room 1F227	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	11/20/2013 R
Project No:	6376-13-0046.01	Sample Date:	10/30-31/2013
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 11/11/2013, ninety-eight (98) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: Kathy Schosek, John R. Cates

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242
BAG 4 (11411)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 9

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
289001	1A - 1A	10/30/13	Linoleum with Lt. Blue dots and Black mastic	— in Room 1A129.
289002	1B			— 1A228A.
289003	1C			— by Stairwell 1A1.
289004	1A - 2A		12"X12" VFT Lt. Beige w/ Grey streaks and yellow glue	— Records Room west wall.
289005	2B			— Center of Records Room.
289006	1A 3A		DW/JC — Above Ceiling tile - in Room 1A129.	
289007	3B			- by Room 1A206.
289008	3C			- top of lobby's Column.
289009	3D			- by Stairwell 1A1.
289010	3E			- by Elevators
289011	1A - 4A		Black mastic duct Above Ceiling tiles	— in Room 1A129.
289012	4B			- by Restroom 1A206.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-7-13	[signature]	11/11/13	1002	

AF72005-06 - issued 08/01/2011

1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242
BAG 4 (11411)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody** PAGE 10

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
28 013	1A-5A	10/30/13	2'x 2' Ceiling tile smooth surface with small pinholes	in Room 1A129.
28 014	5B			in Rm 1A222.
28 015	5C			in Lobby-Main Entrance.
289016	1A-6A		2'x2' Ceiling tiles with pinholes	Hallway by Rm 1A205.
289017	6B			1A223.
289018	1A-7A		Wall surfacing	Hallway by water fountain & Rm 1A205.
289019	7B			Hallway by Stairwell 1A1.
289020	1A-8A		6" Beige Base Cove w/ yellow glue	by Rest Room 1A206.
289021	8B			in Room 1A228A.
289022	8C			by Stairwell 1A1.
289023	1A-9A		12"x12" VFT Beige w/red & Grey streaks and adhesive.	by Room 1A210.
289024	9B			in Rm 1A205.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	11-14-13	[signature]	11/14/13	10 02	

AF72005-06 - *issued 08/01/2011*

*1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167*
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLN-7242
BAG 4 (11411)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody PAGE 11

Company: AMEC - Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
289025	1A-10A	10/30/13	yellow Glue —	Stairwell 1A1 under Skid Guard, 1st Floor
289026	10B		" —	" 1A1 " " 1st Floor
289027	1A-11A		yellow Glue —	Stairwell 1A1 Base Cove, Black 1st Floor
289028	11B		" —	" 1A1 " " 1st Floor
289029	1A-12A		White duct mastic —	Above ceiling tile in lobby area
289030	12B		"	" "
289031	1A-13A		yellow Glue —	Stairwell 1A3 under Skid Guard, 3rd Floor
289032	13B		" —	1A3 " " , 3rd Floor
289033	1A-14A		yellow Glue —	1A3 Base Cove, Black, 3rd Floor
289034	14B		" —	1A3 " " , 3rd Floor
289035	1A-15A		yellow Glue —	Stairwell 2B1 under Skid Guard, 2nd Floor
289036	15B	"	" —	2B1 " " , 2nd Floor

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	11-7-13	[signature]	11/11/13	1002	

AF72005-06 - *issued 08/01/2011*

*1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167*
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242
BAG4 (11411)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody** PAGE 12

Company: AMEC - PENSACOLA, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
289037	1A-16A	10/30/13		Yellow Glue — Strainwell 2B1 Base Cove, Black 2nd Floor
289038	16B			d — d 2B1 d d, 2nd Floor
289039	1A-17A			Yellow Glue — Strainwell 2B2 Under Skid guard, 2nd Floor
289040	17B			d — d 2B2 d d, 2nd Floor
289041	1A-18A			Yellow Glue — Strainwell 2B2 Base Cove, Black, 2nd Floor
289042	18B			d — d 2B2 d d, 2nd Floor
—				
—				
—				
—				
—				
—				

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-7-13	[signature]	11/11/13	10 02	

AF72005-06 - *issued 08/01/2011*

*1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167*
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242
BAG 5 (11411)

CATES LABORATORIES — **Asbestos Bulk Sample Chain of Custody** Page 13

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
289043	1G-1A	10/31/13	WALL SURFACING	– Wall Hallway by Elevator #7.
289044	1B			– Wall Hallway by Room 1G129.
289045	1C			– Wall Hallway by Rest Rooms.
289046	1D			– Wall Waiting Area.
289047	1G-2A		Red Putty	– Hallway Above Ceiling tiles – by Room 1G111.
289048	2B			– by Room 1G213.
289049	1G-3A		White Duct Mastic	– Hallway Above Ceiling tiles – by Room 1G109.
289050	3B			– by Room 1G129.
289051	3C			– by Room 1G415.
289052	1G-4A		Black duct Mastic	– Hallway Above Ceiling tiles – by Elevator #7.
289053	4B			– by Room 1G434.
289054	4C			– by Room 1G315.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-7-13	[signature]	11/11/13	10 02	

AF72005-06 - issued 08/01/2011

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242
Bag 5 (41411)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 14

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-00046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
289055	1G-5A	10/31/13	2'x2' ceiling tiles w/ pinholes/scratches	— in waiting room.
289056	5B			— Hallway by Room 1G415.
289057	5C			— 1G109.
289058	5D			— 1G111.
289059	5E			— 1G138.
289060	5F			— 1G213.
289061	1G-6A		Drywall/Joint Compound	— in walls, above ceiling tiles —
289062	6B			— —
289063	6C			— —
289064	6D			— —
289065	1G-7A		6" Beige cove base yellow glue	— Hallway by Elevator #7.
289066	7B			— Hallway by Room 1G213.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cold	11-7-13	[signature]	11/11/13	10 02	

AF72005-06 - issued 08/01/2011

CatesLab Project No. PLM-7242
BAGS (11411)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody** Page 15

Company: AMEC - PENSACOLA, FL Results to: R. BROWN Verbal__ Fax__ Email✓ Positive Stop? Yes✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
289067	1G-8A	10/31/13	9"x9" VFT TAN W/ BLACK MASTIC	— ROOM 1G415.
289068	8B			— ROOM 1G417.
289069	8C			— ROOM 1G416.
289070	1G-9A		12"x12" VFT Lt. Beige w/ Red & Grey STREAKS AND ADHESIVES	— STORAGE ROOM.
289071	9B			— ROOM 1G315.
—				
—				
—				
—				
—				
—				
—				

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael cobb	11-7-13	[signature]	11/14/13	10 02	

AF72005-06 - issued 08/01/2011

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CatesLab Project No. PLM-7242
BAG 6 (11411)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 16

Company: AMEC-Pensacola, Florida Results to: R. Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
289072	1F-1A	10/31/13	12"X12" VFt Lt Beige w/grey streaks –	Room 1F162.
289073	1B			1F306.
289074	1F-2A		DW/Joint Compound	Room 1F162.
289075	2B			Room 1F306.
289076	2C			Room 1F205.
289077	2D			Room 1F113.
289078	1F-3A		2x2' Ceiling tiles w/Pin Holes & Scratches –	Hallway, near Main Lobby & Scalators.
289079	3B			– Hallway, near Waiting Room entrance.
289080	3C			– Hallway, near Room 1F213.
289081	3D			– Hallway, near Room 1F309.
289082	1F-4A		Wall Surfacing –	Hallway wall near Waiting Room.
289083	4B			Hallway by Room 1F400.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	11-7-13	[signature]	11/11/13	1002	

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CatesLab Project No. PLM-7242
BAG 6 (4411)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody** PAGE 17

Company: AMEC - Pensacola, FL Results to: R. Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
289084	1F-5A	10/31/13	6" Beige Cove Base w/ yellow glue	in Room 1F162.
289085	5B			by Room 1F400.
289086	1F-6A		12"X12" VFT with yellow glue	in Room 1F114.
289087	6B			in Room 1F303.
289088	6C			in Room 1F215.
289089	1F-7A		2'x4' Ceiling tiles	Room 1F162.
289090	7B			Room 1F333.
289091	7C			Waiting Room 1F100.
289092	7D			Hallway by Room 1F114.
289093	7E			Hallway by Rm 1F234.
289094	7F			Hallway by Room 1F311.
—				

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-7-13	[signature]	11/11/13	1002	

AF72005-06 - issued 08/01/2011

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. FLM-7242
BAG 6 (11411)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody** PAGE 18

Company: AMEC - Pensacola, FL Results to: R. Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
289095	1F-8A	10/31/13		White Duct Mastic Hallway Above Ceiling tiles - Near Main Lobby & Scalators.
289096	8B			- in Room 1F306.
289097	1F-9A			12"X12" DARK GREY VFT w/ Red Streaks - in Room 1F142
289098	9B			- in Room 1F227.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-7-13	[signature]	11/14/13	1002	

AF72005-06 - issued 08/01/2011

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/12/2013
Sample Date: 10/29-31/2013

On 11/8/2013, eighty-three (83) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288783	2A-1A	Drywall/Joint Compound - Wall above Ceiling Tiles, Hallway by Room 2A101	None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288784	2A-1B	Drywall/Joint Compound - Wall above Ceiling Tiles, Hallway by Room 2A123	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288785	2A-2A	2' X 2' Ceiling Tiles w/Pinholes & Scratches - Hallway by Room 2A101	None Detected
CL288786	2A-2B	2' X 2' Ceiling Tiles w/Pinholes & Scratches - Hallway by Room 2A123	None Detected
CL288787	2A-3A	White Mastic on Fiberglass Duct - above Ceiling Tile, Hallway by Room 2A101	None Detected - White Mastic None Detected - Wrap
CL288788	2A-3B	White Mastic on Fiberglass Duct - above Ceiling Tile, Hallway by Room 2A123	15% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation
CL288789	2A-4A	Red Putty - above Ceiling Tile, Hallway Wall by Room 2A101	None Detected
CL288790	2A-4B	Red Putty - above Ceiling Tile, Electrical Room 2A147	None Detected
CL288791	2A-5A	6" Beige Cove Base w/Yellow Glue - in Room 2A102	None Detected
CL288792	2A-5B	6" Beige Cove Base w/Yellow Glue - in Room 2A123	None Detected
CL288793	2A-6A	12" X 12" Light Beige Vinyl Floor Tile w/Brown Streaks & Black Mastic - in Room 2A102	3% Chrysotile - Floor Tile None Detected - Black Mastic
CL288794	2A-6B	12" X 12" Light Beige Vinyl Floor Tile w/Brown Streaks & Black Mastic - in Room 2A123	Not Analyzed - Positive Stop
CL288795	2A-6C	12" X 12" Light Beige Vinyl Floor Tile w/Brown Streaks & Black Mastic - in Room 2A220	Not Analyzed - Positive Stop
CL288796	2A-7A	Wall Surfacing, Beige - Hallway Wall by Room 2A101	None Detected
CL288797	2A-7B	Wall Surfacing, Beige - Hallway Wall by Room 2A101	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/12/2013
Sample Date: 10/29-31/2013

On 11/8/2013, eighty-three (83) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288798	2A-8A	6" Gray Cove Base w/Yellow Glue - in Room 2A123	None Detected
CL288799	2A-8B	6" Gray Cove Base w/Yellow Glue - in Room 2A152	None Detected
CL288800	2A-9A	Yellow Putty - under Sink, Room 2A124	None Detected
CL288801	2A-9B	Yellow Putty - under Sink, Room 2A124	None Detected
CL288802	2A-10A	6" Brown Cove Base - in Room 2A125	None Detected
CL288803	2A-10B	6" Brown Cove Base - in Room 2A143	None Detected
CL288804	2A-11A	Gray Expansion Joint - Hallway by Nurse Station	None Detected
CL288805	2A-12A	12" X 12" Vinyl Floor Tile, Dark Gray w/Red & White Streaks - Hallway by Room 2A147	None Detected - Floor Tile None Detected - Yellow Mastic
CL288806	2A-12B	12" X 12" Vinyl Floor Tile, Dark Gray w/Red & White Streaks - Hallway by Room 2A154	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic
CL288807	2A-13A	12" X 12" Vinyl Floor Tile, White w/Brown/Gray Streaks & Yellow Glue - by Room 2A149	None Detected - Floor Tile 1 None Detected - Yellow Mastic 2% Chrysotile - Floor Tile 2 None Detected - Black Mastic
CL288808	2A-13B	12" X 12" Vinyl Floor Tile, White w/Brown/Gray Streaks & Yellow Glue - by Room 2A150	Not Analyzed - Positive Stop
CL288809	2A-14A	Linoleum & 12" X 12" Light Beige Vinyl Floor Tile w/Black Mastic - Hallway near Elevators	None Detected - Sheet Flooring None Detected - Fibrous Backing 3% Chrysotile - Floor Tile None Detected - Black Mastic
CL288810	2A-14B	Linoleum & 12" X 12" Light Beige Vinyl Floor Tile w/Black Mastic - by Room 2A226	Not Analyzed - Positive Stop
CL288811	2A-15A	Yellow Glue under Step Slip Guard - Stairwell 2A3	None Detected
CL288812	2A-16A	Black Duct Mastic - in Room 2A149	20% Chrysotile
CL288813	2A-16B	Black Duct Mastic - in Room 2A220	Not Analyzed - Positive Stop

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/12/2013
Sample Date: 10/29-31/2013

On 11/8/2013, eighty-three (83) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288814	2A-17A	6" Black Cove Base w/Yellow Glue - Stairwell 2A3	None Detected
CL288815	2B-1A	12" X 12" Vinyl Floor Tile, Light Gray w/Brown & White Streaks & Adhesives - Hallway Double Doors Floor	None Detected - Yellow Mastic 5% Chrysotile - Floor Tile None Detected - Black Mastic
CL288816	2B-1B	12" X 12" Vinyl Floor Tile, Light Gray w/Brown & White Streaks & Adhesives - Entrance to Rom 2B112	Not Analyzed - Positive Stop
CL288817	2B-1C	12" X 12" Vinyl Floor Tile, Light Gray w/Brown & White Streaks & Adhesives - by Door to Stairwell 2B2	Not Analyzed - Positive Stop
CL288818	2B-1D	12" X 12" Vinyl Floor Tile, Light Gray w/Brown & White Streaks & Adhesives - Entrance to Room 2B127	Not Analyzed - Positive Stop
CL288819	2B-2A	12" X 12" Ceiling Tiles w/Pinholes & Scratches - Hallway by Room	None Detected
CL288820	2B-2B	12" X 12" Ceiling Tiles w/Pinholes & Scratches - Hallway by Room	None Detected
CL288821	2B-2C	12" X 12" Ceiling Tiles w/Pinholes & Scratches - Hallway by Room	None Detected
CL288822	2B-2D	12" X 12" Ceiling Tiles w/Pinholes & Scratches - Hallway by Stairwell	None Detected
CL288823	2B-2E	12" X 12" Ceiling Tiles w/Pinholes & Scratches - Linen Closet Room 2B133, above Door	None Detected
CL288824	2B-3A	Beige Duct Mastic above Ceiling Tile - Hallway by Room 2B106	15% Chrysotile - Beige Mastic None Detected - Wrap
CL288825	2B-3B	Beige Duct Mastic above Ceiling Tile - Hallway by Room 2B113	Not Analyzed - Positive Stop
CL288826	2B-3C	Beige Duct Mastic above Ceiling Tile - Hallway by Room 2B118	Not Analyzed - Positive Stop
CL288827	2B-3D	Beige Duct Mastic above Ceiling Tile - Hallway by Stairwell 2B1	Not Analyzed - Positive Stop
CL288828	2B-4A	Black Duct Mastic above Ceiling Tile - Hallway by Room 2B106	45% Chrysotile - Black Mastic None Detected - Insulation
CL288829	2B-4B	Black Duct Mastic above Ceiling Tile - Hallway by Room 2B113	Not Analyzed - Positive Stop
CL288830	2B-4C	Black Duct Mastic above Ceiling Tile - Hallway by Room 2B118	Not Analyzed - Positive Stop

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/12/2013
Sample Date: 10/29-31/2013

On 11/8/2013, eighty-three (83) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288831	2B-5A	6" Beige Cove Base w/Yellow Glue - by Room 2B112	None Detected
CL288832	2B-5B	6" Beige Cove Base w/Yellow Glue - by Room 2B101	None Detected
CL288833	2B-5C	6" Beige Cove Base w/Yellow Glue - by Room 2B128	None Detected
CL288834	2B-5D	6" Beige Cove Base w/Yellow Glue - by Stairs 2B2 Entrance	None Detected
CL288835	2B-6A	12" X 12" Vinyl Floor Tile, White w/Brown & Gray Streaks & Black Mastic - in Room 2B118	3% Chrysotile - Floor Tile None Detected - Yellow Mastic 10% Chrysotile - Black Mastic
CL288836	2B-6B	12" X 12" Vinyl Floor Tile, White w/Brown & Gray Streaks & Black Mastic - in Room 2B126	Not Analyzed - Positive Stop
CL288837	2B-6C	12" X 12" Vinyl Floor Tile, White w/Brown & Gray Streaks & Black Mastic - in Room 2B133	Not Analyzed - Positive Stop
CL288838	2B-6D	12" X 12" Vinyl Floor Tile, White w/Brown & Gray Streaks & Black Mastic - in Room 2B138	Not Analyzed - Positive Stop
CL288839	2B-7A	Red Putty - Wall above Ceiling Tiles in Hallway	None Detected
CL288840	2B-7B	Red Putty - Wall above Ceiling Tiles in Hallway	None Detected
CL288841	2B-8A	Drywall/Joint Compound - Wall in Room 2B118	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288842	2B-8B	Drywall/Joint Compound - Wall in Room 2B138	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288843	2C-1A	2' X 2' Ceiling Tile, Smooth Texture - Hallway by Room 2C151	None Detected
CL288844	2C-1B	2' X 2' Ceiling Tile, Smooth Texture - Hallway by Room 2C148	None Detected
CL288845	2C-1C	2' X 2' Ceiling Tile, Smooth Texture - Hallway by Room 2C153	None Detected
CL288846	2C-1D	2' X 2' Ceiling Tile, Smooth Texture - Hallway by Room 2C108	None Detected
CL288847	2C-1E	2' X 2' Ceiling Tile, Smooth Texture - Hallway by Room 2C113	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/12/2013
Sample Date: 10/29-31/2013

On 11/8/2013, eighty-three (83) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288848	2C-1F	2' X 2' Ceiling Tile, Smooth Texture - Hallway by Room 2C133	None Detected
CL288849	2C-2A	Drywall/Joint Compound - Hallway Wall above Ceiling Tile by Room 2C151	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288850	2C-2B	Drywall/Joint Compound - Hallway Wall above Ceiling Tile by Room 2C153	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288851	2C-2C	Drywall/Joint Compound - Hallway Wall above Ceiling Tile by Elevator's Lobby	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288852	2C-2D	Drywall/Joint Compound - above Ceiling Tile in Room 2C113	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288853	2C-3A	Red Putty - Wall above Ceiling Tiles in Hallway by Room 2C150	None Detected
CL288854	2C-3B	Red Putty - Wall above Ceiling Tiles in Hallway by Room 2C148	None Detected
CL288855	2C-3C	Red Putty - Wall above Ceiling Tiles in Hallway by Room 2C106	None Detected
CL288856	2C-4A	White Duct Mastic - above Ceiling Tile in Hallway by Room 2C148	20% Chrysotile
CL288857	2C-4B	White Duct Mastic - above Ceiling Tile in Hallway by Room 2C153	Not Analyzed - Positive Stop
CL288858	2C-5A	Beige Linoleum - Hallway by Room 2C127	None Detected - Sheet Flooring None Detected - Mastic
CL288859	2C-5B	Beige Linoleum - under Reception Desk	None Detected - Sheet Flooring None Detected - Mastic
CL288860	2C-5C	Beige Linoleum - in Room 2C106A	None Detected - Sheet Flooring None Detected - Mastic
CL288861	2C-5D	Beige Linoleum - by Room 2C130	None Detected - Sheet Flooring None Detected - Fibrous Backing

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/12/2013
Sample Date: 10/29-31/2013

On 11/8/2013, eighty-three (83) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288862	2C-5E	Beige Linoleum - in Room 2C153	None Detected - Sheet Flooring None Detected - Mastic
CL288863	2C-6A	Black Duct Mastic - Hallway above Ceiling Tiles by Room 2C105	45% Chrysotile
CL288864	2C-6B	Black Duct Mastic - Hallway above Ceiling Tiles by Room 2C108	Not Analyzed - Positive Stop
CL288865	2C-6C	Black Duct Mastic - Hallway above Ceiling Tiles	Not Analyzed - Positive Stop

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	11/12/2013
Project No:	6376-13-0046.01	Sample Date:	10/29-31/2013
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 11/8/2013, eighty-three (83) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: Kathy Schosek

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242
BAG 1 (11403)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 1

Company: AMEC - Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288783	2A-1A	10/31/13		Drywall/Joint Compound (DW/JC) Wall Above ceiling tiles - Hallway by Rm 2A101.
288784	1B			2A123.
288785	2A-2A			2'x2' Ceiling tiles with Pinholes & scratches - Hallway by Room 2A101.
288786	2B			- Hallway by Rm 2A123.
288787	2A-3A			White Mastic on Fiberglass Duct - Above Ceiling tile - Hallway by Rm 2A101.
288788	3B			2A123.
288789	2A-4A			Red Putty - Above Ceiling tile - Hallway wall. by Rm 2A101.
288790	4B			- Electrical Room 2A147.
288791	2A-5A			6" Beige Cove Base w/ yellow glue - in Room 2A102.
288792	5B			2A123.
—				
—				

Relinquished By	Date	Received By	Date	Time	Special Instructions
Fine mail Call	11-7-13	[signature]	11/8/13	1109	FEP-EX

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125 Samples

CatesLab Project No. PLA-7242
BAG 1 (11403)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 2

Company: AMEC - PENSACOLA, FL Results to: RICHARD BROWN Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: KEESLER AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288793	2A-6A	10/29/13		12"x12" Light Beige VFT with Brown Streaks and Black Mastic — In Room 2A102.
288794	6B			— 2A123.
288795	6C			2A220.
288796	2A-7A			Wall Surfacing Beige — Hallway wall by Room 2A101.
288797	7B			2A123.
288798	2A-8A			6" Grey Covebase w/ yellow glue — in Room 2A123.
288799	8B			— 2A152.
288800	2A 9A			Yellow Putty - under Sink Room 2A124
288801	9B			
288802	2A-10A			6" Brown Covebase — In Room 2A125.
288803	10B			2A143.
288804	2A-11A			Gray Expansion Joint — Hallway - by Nurse Station

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cabb	11-7-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLM-7242
BAG 1 (11403)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 3

Company: AMEC – Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288805	2A-12A	10/29/13		12"X12" VFt DARK Grey with Red & White Streaks — Hallway by RM 2A 147
288806	12B			— RM 2A 154
288807	2A-13A			12"X12" VFt White w/ Brown/Grey Streaks w/ yellow glue — by Room 2A-149
288808	13B			— 2A-150
288809	2A-14A			Linoleum And 12"X12" Lite Beige VFt w/BLK Mastic — Hallway near Elevators.
288810	14B			— by Room 2A226.
288811	2A-15A			Yellow glue under step slip Gasket — Stairwell 2A3.
288812	2A-16A			Black duct mastic — in Room 2A149.
288813	16B			— in Room 2A220.
288814	2A-17A			6" BLK Cove base w/ yellow glue — Stairwell 2A3.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-7-13	[signature]	11/8/13	409	

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CatesLab Project No. PLM-7242
BAG 2 (11403)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAG 4

Company: AMEC - Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288815	2B-1A	10/29/13	12"X12" VFt Lt. gray w/ Brown & White Streaks And Adhesives	— Hallway Double doors Floor.
288816	1B			— Entrance to Room 2B112.
288817	1C			— by door to Stairwell 2B2.
288818	1D			— Entrance to Room 2B127.
288819	2B-2A		12"X12" Ceiling tiles w/ Pinholes & Scratches	— Hallway, by Room 2B106.
288820	2B			— by Rm 2B113.
288821	2C			— by Rm 2B118.
288822	2D			— Hallway, by Stairwell 2B1.
288823	2E			— Linen Closet Rm 2B133, Above door.
288824	2B-3A		Beige Duct Mastic Above Ceiling tile	— Hallway by Rm 2B106.
288825	3B			by Rm 2B113.
288826	3C			by Rm 2B118.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Call	11-7-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLM-7242
BAG 2 (11403)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 5

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email✓ Positive Stop? Yes✓ No__

Project No. 6376-13-0046-01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288827	2B-3D	10/29/13	Beige Duct Mastic Above Ceiling tile	— Hallway by Stairwell 2B1.
288828	2B-4A		Black Duct Mastic Above Ceiling tile	— Hallway by Rm 2B106.
288829	4B			— by Rm 2B113.
288830	4C			— by Rm 2B118.
288831	2B-5A		6" Beige Cove Base w/yellow glue	— by Room 2B112.
288832	5B			— by Rm 2B101.
288833	5C			— by Rm 2B128.
288834	5D			— by Stairs 2B2 Entrance
288835	2B-6A		12"X12" VFT White with Brown & Grey Streaks and Blk mastic	— In Rm 2B118.
288836	6B			— 2B126.
288837	6C			— 2B133.
288838	6D			— 2B138.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Crall	11-7-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLM-7242
Bag 2 (11403)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Page 6

Company: AMEC - Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-00416.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288839	2B-7A	10/29/13	Red putty — wall above ceiling tiles in hallway.	
288840	7B			
288841	2B-8A		Drywall/Joint Compound - wall in room 2B118.	
288842	8B			2B138.
—				
—				
—				
—				
—				
—				
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—				

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-7-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLM-7242(11403)
BAG 3

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

PAGE 7

Company: AMEC - PENSACOLA, FL Results to: Richard BROWN Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288843	2C-1A	10/29/13		2'X2' Ceiling tile SMOOTH TEXTURE – HALLWAY, by Room 2C151.
288844	1B			– 2C148.
288845	1C			– 2C153.
288846	1D			– 2C108.
288847	1E			– 2C113.
288848	1F			– 2C133.
288849	2C-2A			Drywall/Joint Compound – HALLWAY WALL Above Ceiling tile, by Room 2C151.
288850	2B			– 2C153.
288851	2C			– by ELEVATOR'S Lobby.
288852	2D			– Above Ceiling tile in Room 2C113.
288853	2C-3A			Red Putty – WALL Above Ceiling tiles in HALLWAY by Room 2C150.
288854	3B			2C148.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	11-7-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLM-7242
BAG 3 (11403)

CATES LABORATORIES — Asbestos Bulk Sample Chain of Custody

PAGE 8

Company: AMEC-PENSACOLA, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day

CatesLab No.	Field I.D. No.	Date of Sample	Sample Description/Location
288855	2C-3C	10/29/13	Red Putty - Wall Above Ceiling tiles in Hallway by Room 2C106.
288856	2C-4A	10/30/13	White Duct Mastic - Above Ceiling tile in Hallway by Room 2C148.
288857	4B		〃 〃 〃 2C153.
288858	2C-5A		Beige Linoleum - Hallway by Rm 2C127.
288859	5B		- under Reception Desk.
288860	5C		- in Room 2C106A.
288861	5D		- by Room 2C130.
288862	5E		〃 - in Room 2C153.
288863	2C-6A		Black Duct Mastic - Hallway Above Ceiling tiles by Rm 2C105.
288864	6B		- 〃 〃 by Rm 2C108.
288865	6C	〃	〃 - Hallway Above Ceiling tiles —
—			

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Coell	11-7-13	[signature]	11/8/13	1109	

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/31/2013

On 11/4/2013, fifty-one (51) bulk samples were submitted by a representative of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288121	EW-1	Wall Masonry - South Wall Section	None Detected
CL288122	EW-2	Wall Masonry - South Wall Section	None Detected
CL288123	EW-3	Wall Masonry - South Wall Section	None Detected
CL288124	EW-4	Wall Masonry - Southwest Wall Section	None Detected
CL288125	EW-5	Wall Masonry - West Wall Section	None Detected
CL288126	EW-6	Wall Masonry - Northwest Wall Section	None Detected
CL288127	5A-1A	Black Duct Mastic - Hallway near Room 5A217	10% Chrysotile - Black Mastic None Detected - Tar Wrap None Detected - Insulation
CL288128	5A-2A	12" X 12" Ceiling Tiles w/Pinhole/Scratch Pattern - by Room 5A217	None Detected
CL288129	5A-2B	12" X 12" Ceiling Tiles w/Pinhole/Scratch Pattern - by Room 5A101	None Detected
CL288130	5A-3A	Wall Surfacing - by Room 5A217	None Detected
CL288131	5A-3B	Wall Surfacing - by Room 5A217	None Detected
CL288132	5A-4A	6" Beige Cove Base - Hallway by Double Doors	None Detected
CL288133	5A-4B	6" Beige Cove Base - Hallway by 2nd Double Doors	None Detected
CL288134	5A-5A	2' X 4' Ceiling Tiles w/Pinholes/Scratch Pattern - in Lobby Area	None Detected
CL288135	5A-5B	2' X 4' Ceiling Tiles w/Pinholes/Scratch Pattern - in Room 5A175	None Detected
CL288136	5A-6A	White Duct Mastic above 2' X 4' Ceiling Tile - in Lobby Area	10% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation
CL288137	5A-6B	White Duct Mastic above 2' X 4' Ceiling Tile - in Room 5A175	10% Chrysotile - White Mastic None Detected - Wrap None Detected - Insulation

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/31/2013

On 11/4/2013, fifty-one (51) bulk samples were submitted by a representative of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288138	3A-1A	12" X 12" Vinyl Floor Tile, White w/Brown Streaks - in Room 3A224	None Detected - Floor Tile 1 None Detected - Yellow Mastic 5% Chrysotile - Floor Tile 2 None Detected - Black Mastic
CL288139	3A-1B	12" X 12" Vinyl Floor Tile, White w/Brown Streaks - in Room 3A224	None Detected - Floor Tile 1 None Detected - Yellow Mastic 10% Chrysotile - Floor Tile 2 None Detected - Black Mastic
CL288140	3A-2A	6" Beige Cove Base/Yellow Glue - in Room 3A224	None Detected
CL288141	3A-2B	6" Beige Cove Base/Yellow Glue - in Room 3A221	None Detected
CL288142	3A-3A	2' X 2' Ceiling Tile w/Pinhole & Scratch Pattern - in Hallway by Elevators, 3A231	None Detected
CL288143	3A-3B	2' X 2' Ceiling Tile w/Pinhole & Scratch Pattern - by Freight Elevator	None Detected
CL288144	3A-4A	Linoleum, White w/Blue Dots - Hallway near Stairs 3A3	None Detected - Sheet Flooring None Detected - Fibrous Backing
CL288145	3A-4B	Linoleum, White w/Blue Dots - Hallway by Elevator 1	None Detected - Sheet Flooring None Detected - Fibrous Backing
CL288146	3B-1A	2' X 2' Ceiling Tiles w/Pinholes & Scratches - by Room 3B133	None Detected
CL288147	3B-1B	2' X 2' Ceiling Tiles w/Pinholes & Scratches - by Room 3B109	None Detected
CL288148	3B-1C	2' X 2' Ceiling Tiles w/Pinholes & Scratches - by Room 3B138	None Detected
CL288149	3B-2A	6" Beige Cove Base w/Yellow Glue - Hallway by Room 3B133	None Detected
CL288150	3B-2B	6" Beige Cove Base w/Yellow Glue - Hallway by Room 3B109	None Detected
CL288151	3B-3A	12" X 12" Vinyl Floor Tile, White w/Brown Specks - Hallway by Room 3B101	None Detected - Floor Tile
CL288152	3B-3B	12" X 12" Vinyl Floor Tile, White w/Brown Specks - Hallway by Room 3B121	None Detected - Floor Tile

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/31/2013

On 11/4/2013, fifty-one (51) bulk samples were submitted by a representative of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288153	3B-5A	White Duct Mastic - Hallway by Room 3B109	10% Chrysotile - White Mastic None Detected - Wrap
CL288154	3B-5B	White Duct Mastic - Hallway by Room 3B123	10% Chrysotile - White Mastic None Detected - Wrap
CL288155	3C-1A	12" X 12" Vinyl Floor Tile, Light Gray w/White Streaks - by Restroom 3C104	None Detected - Floor Tile None Detected - Yellow Mastic
CL288156	3C-1B	12" X 12" Vinyl Floor Tile, Light Gray w/White Streaks - in Room 3C102	None Detected - Floor Tile None Detected - Yellow Mastic
CL288157	3C-2A	2' X 2' Ceiling Tile w/Pinholes/Scratches Pattern - by Room 3C107	None Detected
CL288158	3C-2B	2' X 2' Ceiling Tile w/Pinholes/Scratches Pattern - by Room 3C123	None Detected
CL288159	3C-3A	6" Beige Cove Base w/Yellow Glue - Hallway by Room 3C103	None Detected
CL288160	3C-3B	6" Beige Cove Base w/Yellow Glue - Hallway by Reception Room	None Detected
CL288161	3C-4A	Black Duct Mastic - Hallway by Room 3C107	10% Chrysotile - Black Mastic None Detected - Tar Wrap None Detected - Insulation
CL288162	3C-4B	Black Duct Mastic - in Room 3C123	10% Chrysotile - Black Mastic None Detected - Tar Wrap None Detected - Insulation
CL288163	1B-1A	Linoleum, Light Beige w/Blue Dots & Yellow Mastic - Hallway by Stairs 1B1	None Detected - Sheet Flooring None Detected - Yellow Mastic
CL288164	1B-1B	Linoleum, Light Beige w/Blue Dots & Yellow Mastic - Hallway by Room 1B114	None Detected - Sheet Flooring None Detected - Yellow Mastic
CL288165	1B-2A	Drywall/Joint Compound - Hallway Wall near Double Door to Stairs	None Detected - Joint Compound None Detected - Wallboard Material
CL288166	1B-3A	Black Duct Mastic - Hallway above Ceiling Tile near Double Door to Stairs 1B1	10% Chrysotile - Black Mastic None Detected - Tar Wrap None Detected - Insulation

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/20/2013 R
Sample Date: 10/31/2013

On 11/4/2013, fifty-one (51) bulk samples were submitted by a representative of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288167	1B-4A	12" X 12" Ceiling Tile w/Pinholes & Scratch Pattern - near Double Door to Stairs 1B1	None Detected
CL288168	1B-5A	Wall Surfacing - Wall near Double Door to Stairs 1B1	None Detected
CL288169	1B-6A	6" Beige Cove Base w/Yellow Mastic	None Detected
CL288170	1B-7A	2' X 4' Ceiling Tile w/Pinhole/Scratch Pattern - in Room 1B500	None Detected
CL288171	1B-7B	2' X 4' Ceiling Tile w/Pinhole/Scratch Pattern - in Room 1B500	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	11/20/2013 R
Project No:	6376-13-0046.01	Sample Date:	10/31/2013
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 11/4/2013, fifty-one (51) bulk samples were submitted by a representative of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Jessica Scott

Analyst: Jessica Scott, John R. Cates

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242 (11380)
BAG 1

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Page 1

Company: AMEC - PENSACOLA, FL Results to: RICHARD BROWN Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: KEESLER AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288121	EW-1	10/31/13		WALL MASSONRY - SOUTH WALL Section
288122	EW-2			
288123	EW-3			
288124	EW-4			Southwest WALL Section
288125	EW-5			West WALL
288126	EW-6			North West WALL

Relinquished By	Date	Received By	Date	Time (FED-EX)	Special Instructions
Michael Cobb	11-1-13	[signature]	11/4/13	1039	

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

_____ of _____

(6) 42 Samples total

CatesLab Project No. PLM-7242 (11380)
BAG 2

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody PAGE 2

Company: AMEC - PENSACOLA, FL Results to: RICHARD BROWN Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr (RUSH) / STD / 3-4 Day / 5 Day	Sample Description/Location
288127	5A-1A	10/31/13		BLK Duct Mastic - HALLWAY NEAR RM 5A217
288128	5A-2A			12"X12" Ceiling tiles w/ Pin Hole/SCRATCH Pattern By Room 5A-217
288129	2B			d d d by Room 5A101
288130	5A-3A			WALL SURFACING - by Room 5A-217
288131	3B			d - in lobby AREA
288132	5A-4A			6" Beige Cove Base - HALLWAY by Double doors
288133	4B			d - HALLWAY by 2nd DBL DOORS
288134	5A-5A			2'X4' Ceiling tiles w/ Pin Holes/SCRATCH Pattern - in lobby AREA
288135	5B			d d d - in Room 5A175
288136	5A-6A			White duct MASTIC - Above 2'x4' CEILING tile - in lobby AREA
288137	6B			d d - in Room 5A175
—	—	—		— — —

Relinquished By	Date	Received By	Date	FED-EX Time	Special Instructions
Michael Cole	11-1-13	[signature]	11/4/13	1039	

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CatesLab Project No. PVM-7242(11380)
BAG 3

CATES LABORATORIES	Asbestos Bulk Sample Chain of Custody Page 3

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288138	3A-1A		12"x12" VFT White w/ Brown Streaks	in Room 3A224
288139	1B		d	d d
288140	3A-2A		6" Beige Cove base / yellow glue	in Room 3A224
288141	2B		d d	in Room 3A221
288142	3A-3A		2'x2' Ceiling tile w/ Pinhole & scratch pattern	in Hallway by Elevators (3A231)
288143	3B		d d d	by Freight Elevator
288144	3A-4A		Linolium, white w/ blue dots	Hallway, near stairs 3A3
288145	4B		d d	Hallway, by Elevator 1

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	11-1-13	[signature]	11/4/13	1039	

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CatesLab Project No. PLM-7242 (11380)
BAG 3

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody Page 4

Company: AMEC-Pensacola, FL Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

Turnaround (circle one): ASAP | 24 hr | RUSH | STD | 3-4 Day | 5 Day

CatesLab No.	Field I.D. No.	Date of Sample	Sample Description/Location
288146	3B-1A	10/30/13	2'X2' ceiling tiles w/pinholes and scratches – by Room 3B133
288147	1B		– by Room 3B109
288148	1C		– by Room 3B138
288149	3B-2A		6" Beige cove base w/yellow glue – Hallway by Room 3B133
288150	2B		– Hallway by Room 3B109
288151	3B-3A		12"X12" VFT white w/brown specs – Hallway by Room 3B101
288152	3B		Hallway by Room 3B121
—	Skip to 3B-5A	—	— — — —
288153	3B-5A		White duct mastic – Hallway by Room 3B109
288154	5B		– Hallway by Room 3B123

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cole	11-01-13	[signature]	11/4/13	1039	

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

____ of ____

CatesLab Project No. PLM-7242(11380)
BAG3

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody** PAGE 5

Company: AMEC- Pensacola Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288155	3C-1A	10/30/13		12"X12" VFT Lt. Grey w/ White streaks - by Restroom 3C104
288156	1B			- in Room 3C102
288157	3C-2A			2'X2' Ceiling tile w/ Pinholes/Scratches Pattern - by Room 3C107
288158	2B			- by Room 3C123
288159	3C-3A			6" Beige Cove Base w/ yellow glue - Hallway by Room 3C103
288160	3B			- Hallway by Reception Room
288161	3C-4A			Black Duct Mastic - Hallway by Room 3C107
288162	4B			- in Room 3C123

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-1-13	[signature]	11/4/13	1039	

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CatesLab Project No. PLM-7242(11380)
BAG 4

CATES LABORATORIES	Asbestos Bulk Sample Chain of Custody PAGE 6

Company: AMEC-PENSACOLA Results to: RICHARD BROWN Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376-13-0046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288163	1B-1A	10/31/13	Linoleum Lt Beige w/Blue dots yellow mastic	Hallway by Stairs 1B1.
288164	1B			Hallway by Room 1B114.
288165	1B-2A		Drywall/Joint Compound (DW/JC)	Hallway wall near Double Door to Stairs 1B1
288166	1B-3A		Black Duct Mastic	Hallway above C.T. near Double door to Stairs 1B1
288167	1B-4A		12"X12" Ceiling tile w/Pinholes & Scratch Pattern	Near Double door to Stairs 1B1
288168	1B-5A		Wall Surfacing	Wall near Double Door to Stairs 1B1
288169	1B-6A		6" Beige Cove Base w/yellow mastic	
288170	1B-7A		2'x4' Ceiling tile w/Pinhole/Scratch Pattern	in Room 1B500.
288171	1B			

Relinquished By	Date	Received By	Date	FEDEX Time	Special Instructions
Michael Gall	11-1-13	[signature]	11/4/13	1039	

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PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 3/21/2014
Sample Date: 3/12/2014

On 3/18/2014, thirty-eight (38) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL306284	3A-5A	TSI Elbow - Room 3A223 Custodial Closet	None Detected - Wrap 15% Amosite - Insulation 5% Chrysotile - Insulation
CL306285	3A-6A	TSI - Room 3A223 Custodial Closet	None Detected - Wrap 15% Amosite - Insulation 5% Chrysotile - Insulation
CL306286	3A-7A	Yellow & Brown Mastic - Room 3A220	None Detected - Yellow Mastic None Detected - Brown Mastic
CL306287	3A-7B	Yellow & Brown Mastic - Room 3A220	None Detected - Yellow Mastic None Detected - Brown Mastic
CL306288	3A-8A	Beige Plaster - Room 3A095	None Detected
CL306289	3A-8B	Beige Plaster - Room 3A095	None Detected
CL306290	3A-9A	Beige Roll Sheet w/Purple Dots & Gray Mastic - near Entrance to Men's Restroom	None Detected - Sheet Flooring None Detected - Grey Mastic
CL306291	3A-9B	Beige Roll Sheet w/Purple Dots & Gray Mastic - near Entrance to Men's Restroom	None Detected - Sheet Flooring None Detected - Grey Mastic
CL306292	3A-10A	12" X 12" Vinyl Floor Tile, Gray w/Dark Gray & White Streaks - Room 3A002	None Detected - Floor Tile None Detected - Yellow Mastic
CL306293	3A-10B	12" X 12" Vinyl Floor Tile, Gray w/Dark Gray & White Streaks - Room 3A003	None Detected - Floor Tile None Detected - Yellow Mastic
CL306294	3A-11A	12" X 12" Vinyl Floor Tile, White w/Gray Streaks - by Double Doors near Room 3A001	None Detected - Floor Tile None Detected - Yellow Mastic
CL306295	3A-11B	12" X 12" Vinyl Floor Tile, White w/Gray Streaks - near Room 3A025	None Detected - Floor Tile None Detected - Yellow Mastic
CL306296	3C-5A	12" X 12" Vinyl Floor Tile, Beige w/Red, White & Gray Streaks - near Room 3C107	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound None Detected - Black Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 3/21/2014
Sample Date: 3/12/2014

On 3/18/2014, thirty-eight (38) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL306297	3C-5B	12" X 12" Vinyl Floor Tile, Beige w/Red, White & Gray Streaks - across from Room 3C132	None Detected - Floor Tile 1 None Detected - Yellow Mastic 2% Chrysotile - Floor Tile 2 None Detected - Black Mastic
CL306298	4A-14A	12" X 12" Vinyl Floor Tile, Blue - Room 4A224	None Detected - Floor Tile 1 None Detected - Yellow Mastic None Detected - Floor Tile 2 None Detected - Black Mastic
CL306299	4A-15A	Black Sink Undercoating - Room 4A224	3% Chrysotile
CL306300	4A-16A	12" X 12" Vinyl Floor Tile, Light Gray w/Dark Gray Streaks - Room 4A208	None Detected - Floor Tile None Detected - Yellow Mastic
CL306301	4A-16B	12" X 12" Vinyl Floor Tile, Light Gray w/Dark Gray Streaks - Room 4A124	None Detected - Floor Tile None Detected - Yellow Mastic
CL306302	5A-7A	12" X 12" Vinyl Floor Tile, Light Blue w/Dark Blue Streaks - Room 5A174	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound
CL306303	5A-7B	12" X 12" Vinyl Floor Tile, Light Blue w/Dark Blue Streaks - Room 5A165	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound
CL306304	5A-7C	12" X 12" Vinyl Floor Tile, Light Blue w/Dark Blue Streaks - Room 5A165	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Leveling Compound
CL306305	5A-7D	12" X 12" Vinyl Floor Tile, Light Blue w/Dark Blue Streaks - Room 5A111	None Detected - Floor Tile 1 None Detected - Yellow Mastic 2% Chrysotile - Floor Tile 2 5% Chrysotile - Black Mastic
CL306306	5A-8A	12" X 12" Vinyl Floor Tile, White w/Blue Streaks - Room 5A171	None Detected - Floor Tile None Detected - Yellow Mastic
CL306307	5A-9A	Blue Roll Sheet - Room 5A170	None Detected - Sheet Flooring None Detected - Yellow Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 3/21/2014
Sample Date: 3/12/2014

On 3/18/2014, thirty-eight (38) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL306308	5A-10A	12" X 12" Vinyl Floor Tile, White w/Bluish Streaks - Room 5A140	None Detected - Floor Tile 5% Chrysotile - Black Mastic
CL306309	5A-10B	12" X 12" Vinyl Floor Tile, White w/Bluish Streaks - across from Room 5A122	None Detected - Floor Tile None Detected - Black Mastic
CL306310	5A-10C	12" X 12" Vinyl Floor Tile, White w/Bluish Streaks - Double Doors near Room 5A101	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic
CL306311	5A-11A	12" X 12" Vinyl Floor Tile, White w/Brown Streaks - Room 5A217	None Detected - Floor Tile None Detected - Yellow Mastic
CL306312	5A-11B	12" X 12" Vinyl Floor Tile, White w/Brown Streaks - Room 5A223	None Detected - Floor Tile 1 None Detected - Yellow Mastic 15% Chrysotile - Floor Tile 2 5% Chrysotile - Black Mastic
CL306313	5A-12A	Sink Undercoating - Room 5A161	None Detected
CL306314	ME134-A	12" X 12" Vinyl Floor Tile, White - Mechanical Room 1E134	None Detected - Floor Tile 1 None Detected - Yellow Mastic 2% Chrysotile - Floor Tile 2 None Detected - Black Mastic 10% Chrysotile - Floor Tile 3
CL306315	MF400-1A	White Duct Sealant - Mechanical Room 1F400	None Detected - Duct Sealant None Detected - Brown Mastic
CL306316	M2C145-1A	TSI for Cold Water Supply - Mechanical Room 2C145	20% Chrysotile - Black Mastic None Detected - Insulation
CL306317	M2C145-2A	TSI for Hot Water Return - Mechanical Room 2C145	None Detected - Yellow Mastic None Detected - Insulation
CL306318	M2C145-3A	TSI for Steam Line - Mechanical Room 2C145	10% Amosite 10% Chrysotile

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 3/21/2014
Sample Date: 3/12/2014

On 3/18/2014, thirty-eight (38) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL306319	M2C145-3B	TSI for Steam Line - Mechanical Room 2C145	None Detected - Wrap 15% Amosite - Insulation 5% Chrysotile - Insulation
CL306320	M2C145-4A	Gray Duct Insulation from AHU Ducts - Mechanical Room 2C145	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL306321	M4A222-12A	Tan Duct Tape w/Black Mastic - Mechanical Room 4A222	5% Chrysotile

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	3/21/2014
Project No:	6376-13-0046.01	Sample Date:	3/12/2014
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 3/18/2014, thirty-eight (38) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: Kathy Schosek

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242 (12037)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes__ No ✓

Project No. 637613 0046 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
306284	3A-5A	3\12\14		TSI Elbow \ Room 3A223 Custodial closet
306285	3A-6A			TSI \ Room 3A223 Custodial Closet
306286	3A-7A			Yellow and brown mastic \ Room 3A220
306287	3A-7B			↓
306288	3A-8A			Beige Plaster \ Room 3A095
306289	3A-8B			↓
306290	3A-9A			Beige roilsheet w\ purple dots and grey mastic \ ~~near entrance to mens R.R.~~
306291	3A-9B			/ near entrance to men's R.R.
306292	3A-10A			12" X 12" vinyl floor tile grey w\ Dark grey and white streaks \ Room 3A002
306293	3A-10B			↓ \ Room 3A003
306294	3A-11A			12" X 12" vinyl floor tile white w\ grey streaks \ by double doors near Room 3A001
306295	3A-11B	↓		↓ / near room 3A025

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael Cobb	3-12-14	[signature]	3/18/14	10:29	

AF72005-06 - *issued 08/01/2011*

*1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167*
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242 (12037)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes__ No ✓

Project No. 6376140046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr (RUSH) / STD / 3-4 Day / 5 Day	Sample Description/Location
306296	3C-5A	3-12-14	12"X12" VFT Beise w/ red white and grey streaks, near Room 3C107	
306297	3C-5B	↓	across from room 3C132	
306298	4A-14A		Blue 12"X12" V.F.T. \ Room 4A224	
306299	4A-15A		Black sink undercoating \ Room 4A224	
306300	4A-16A		12"X12" Lt. Grey w/ Dark Grey streaks \ Room 4A-~~16A~~ 208	
306301	4A-16B		↓ \ Room 4A124	
306302	5A-7A		12"X12" VFT Lt. Blue w/ Dark Blue streaks \ Room 5A174	
306303	5A-7B		\ Room 5A165	
306304	5A-7C		\ Room	
306305	5A-7D		\ Room 5A111	
306306	5A-8A		12"X12" VFT white w/ blue streaks \ Room 5A171	
306307	5A-9A	✓	Blue Roll sheet \ Room 5A170	

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	3-12-14	[signature]	3/18/14	10:29	

AF72005-06 - issued 08/01/2011

CatesLab Project No. PLM-7242 (12037)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody**

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes__ No ✓

Project No. 6376140046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH) / STD / 3-4 Day / 5 Day	Sample Description/Location
306308	5A-10A	3-12-14	12" X 12" VFT white w/ bluish streaks	Room 5A140
306309	5A-10B		across from	Room 5A122
306310	5A-10C			Double doors near room 5A101
306311	5A-11A		12" X 12" VFT white w/ brown streaks	Room 5A217
306312	5A-11B			Room 5A223
306313	5A-12A		Sink under coating	Room 5A161
306314	ME134-A		12" X 12" vinyl white floor tile	Mech. Room 1E134
306315	MF400-1A		white duct sealant	Mech Room 1F400
306316	M2C145-1A		TSI for cold water supply	Mech Room 2C145
306317	M2C145-2A		TSI for hot water return	Mech Room 2C145
306318	M2C145-3A		TSI for steam line	Mech Room 2C145
306319	M2C145-3B			

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	3-12-14	[signature]	3/18/14	10:25	

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CatesLab Project No. PLM-7242 (12037)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC

Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes__ No ✓

Project No. 6376130046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
306320	2C145-4A	3-12-14		Grey Duct Insulation from AHU ducts\Mech Room 2C145
306321	4A222	3-12-14 ✓		Tan duct tape with black mastic\Mech Room 4A222

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael call	3-12-14	[signature]	3/18/14	10:29	

AF72005-06 - *issued 08/01/2011*

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/13/2013
Sample Date: Not Provided

On 11/8/2013, fifty-eight (58) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288866	DB-1A	White Vinyl Flooring w/Blue Specks - Room 6 of Dental Building	None Detected - Sheet Flooring None Detected - Mastic/Leveling
CL288867	DB-1B	White Vinyl Flooring w/Blue Specks - Room 13 of Dental Building	None Detected - Sheet Flooring None Detected - Yellow Mastic
CL288868	DB-1C	White Vinyl Flooring w/Blue Specks - Room F49 of Dental Building	None Detected - Sheet Flooring None Detected - Yellow Mastic
CL288869	DB-1D	White Vinyl Flooring w/Blue Specks - Room E42 of Dental Building	None Detected - Sheet Flooring None Detected - Mastic/Leveling
CL288870	DB-1E	White Vinyl Flooring w/Blue Specks - Room C33 of Dental Building	None Detected - Sheet Flooring None Detected - Mastic/Leveling
CL288871	DB-2A	Beige Cove Base w/Yellow Mastic - Room 6 of Dental Building	None Detected
CL288872	DB-2B	Beige Cove Base w/Yellow Mastic - Room 13 of Dental Building	None Detected
CL288873	DB-2C	Beige Cove Base w/Yellow Mastic - Room F49 of Dental Building	None Detected
CL288874	DB-2D	Beige Cove Base w/Yellow Mastic - Room C33 of Dental Building	None Detected
CL288875	DB-3A	Brown Carpet w/Yellow Mastic - Room 1 of Dental Building	None Detected
CL288876	DB-3B	Brown Carpet w/Yellow Mastic - Reception/Records Area of Dental Building	None Detected
CL288877	DB-3C	Brown Carpet w/Yellow Mastic - Main Lobby/Waiting Area of Dental Building	None Detected
CL288878	DB-4A	Brown Cove Base w/Yellow Mastic - Room 1 of Dental Building	None Detected
CL288879	DB-4B	Brown Cove Base w/Yellow Mastic - Closet Suite F of Dental Building	None Detected
CL288880	DB-4C	Brown Cove Base w/Yellow Mastic - Waiting Area Suite C of Dental Building	None Detected
CL288881	DB-4D	Brown Cove Base w/Yellow Mastic - Closet Suite A of Dental Building	None Detected
CL288882	DB-5A	Gray & Brown Carpet w/Yellow Mastic - Room 149 of Dental Building	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/13/2013
Sample Date: Not Provided

On 11/8/2013, fifty-eight (58) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288883	DB-6A	White 12" X 12" Floor Tile w/Blue/Red Specks - Room 135 of Dental Building	None Detected - Floor Tile None Detected - Yellow Mastic
CL288884	DB-6B	White 12" X 12" Floor Tile w/Blue/Red Specks - Room 135 of Dental Building	None Detected - Floor Tile None Detected - Yellow Mastic
CL288885	DB-7A	Gray Base Cove w/Yellow Mastic - Room 135 of Dental Building	None Detected
CL288886	DB-8A	Light Gray 12" X 12" Floor Tile w/Brown/White Streaks - Closet Suite F of Dental Building	None Detected - Floor Tile None Detected - Yellow Mastic
CL288887	DB-8B	Light Gray 12" X 12" Floor Tile w/Brown/White Streaks - Closet Suite C of Dental Building	None Detected - Floor Tile None Detected - Yellow Mastic
CL288888	DB-8C	Light Gray 12" X 12" Floor Tile w/Brown/White Streaks - Closet Suite A of Dental Building	None Detected - Floor Tile None Detected - Yellow Mastic
CL288889	DB-8D	Light Gray 12" X 12" Floor Tile w/Brown/White Streaks - Dark Room of Dental Building	None Detected - Floor Tile None Detected - Yellow Mastic
CL288890	DB-9A	2' X 2' Ceiling Tile - Waiting Area C adjacent to Conference	None Detected
CL288891	DB-9B	2' X 2' Ceiling Tile - Hallway by Room H-81	None Detected
CL288892	DB-9C	2' X 2' Ceiling Tile - adjacent to Room 15 of Dental Building	None Detected
CL288893	DB-9D	2' X 2' Ceiling Tile - Main Lobby/Waiting Area of Dental Building	None Detected
CL288894	DB-10A	Black Mastic on TSI above Ceiling - Waiting Area C adjacent to Conference Room	5% Chrysotile
CL288895	DB-11A	Surfacing Material - Waiting Area C adjacent to Conference Room	None Detected - Plaster Topcoat None Detected - Plaster
CL288896	DB-11B	Surfacing Material - Hallway adjacent to Suite D	None Detected
CL288897	DB-11C	Surfacing Material - Main Lobby/Waiting Area of Dental Building	None Detected - Plaster Topcoat None Detected - Plaster
CL288898	DB-11D	Surfacing Material - Hallway by Suite A	None Detected - Plaster Topcoat None Detected - Plaster

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/13/2013
Sample Date: Not Provided

On 11/8/2013, fifty-eight (58) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288899	DB-11E	Surfacing Material - Room 18 of Dental Building	None Detected
CL288900	DB-11F	Surfacing Material - Reception & Records Area of Dental Building	None Detected
CL288901	DB-11G	Surfacing Material - Hallway by Air Handler Room 2 of Dental Building	None Detected
CL288902	DB-12A	White Duct Mastic - Main Lobby/Waiting area of Dental Building	None Detected - White Mastic None Detected - Wrap
CL288903	DB-12B	White Duct Mastic - Hallway adjacent to Room H-81 of Dental	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288904	DB-12C	White Duct Mastic - Hallway by Air Handler Room 2 of Dental	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288905	DB-13A	White Duct Tape w/Mastic - Mechanical Room 4	None Detected - Wrap None Detected - Insulation
CL288906	DB-13B	White Duct Tape w/Mastic - Mechanical Room 4	None Detected - Wrap None Detected - Insulation
CL288907	DB-14A	TSI Elbow - Mechanical Room 4	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288908	DB-14B	TSI Elbow - Mechanical Room 4	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288909	DB-15A	Red Putty - Mechanical Room 4	None Detected
CL288910	DB-15B	Red Putty - Mechanical Room 4	None Detected
CL288911	DB-16A	White Caulking - Mechanical Room 4	None Detected
CL288912	DB-16B	White Caulking - Mechanical Room 4	None Detected
CL288913	DB-17A	TSI Piping - Mechanical Room 4	None Detected - Wrap None Detected - Insulation

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

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Report Date: 11/13/2013
Sample Date: Not Provided

On 11/8/2013, fifty-eight (58) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288914	DB-17B	TSI Piping - Mechanical Room 4	None Detected - White Mastic None Detected - Insulation
CL288915	DB-18A	Mortar - Mechanical Room 4	None Detected
CL288916	DB-18B	Mortar - Northeast corner of Dental Building	None Detected
CL288917	DB-18C	Mortar - North Wall of Dental Building	None Detected
CL288918	DB-18D	Mortar - Northwest Corner of Dental Building	None Detected
CL288919	DB-18E	Mortar - Southwest Corner of Dental Building	None Detected
CL288920	DB-19A	Window Caulking - North Wall of Dental Building	None Detected
CL288921	DB-19B	Window Caulking - North Wall of Dental Building	5% Chrysotile
CL288922	DB-19C	Window Caulking - South Wall of Dental Building	Not Analyzed - Positive Stop
CL288923	DB-20A	Window Sealant - Northeast Corner of Dental Building	5% Chrysotile

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	11/13/2013
Project No:	6376-13-0046.01	Sample Date:	Not Provided
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 11/8/2013, fifty-eight (58) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: Kathy Schosek

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242
page 1 of 5 (11404)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376130046 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH)	STD	3-4 Day	5 Day	Sample Description/Location
288866	DB1A		white vinyl flooring with Blue specks				Room 6 of Dental Bldg
288867	DB1B						Room 13 of Dental Bldg
288868	DB1C						Room F49 of Dental Bldg.
288869	DB1D						Room E 42 of Dental Bldg.
288870	DB1E						Room C 33 of Dental Bldg.
288871	DB2A		Beige Core Base w\ Yellow mastic				Room 6 of Dental Bldg.
288872	DB2B						Room 13 of Dental Bldg.
288873	DB2C						Room F 49 of Dental Bldg
288874	DB2D						Room C 33 of Dental Bldg.
288875	DB3A		Brown carpet w\ yellow mastic				Room 1 of Dental Bldg.
288876	DB3B						Reception\ Records Area of Dental Bldg.
288877	DB3C						Main ~~Carpe~~ MC Lobby\ Waiting area of Dental

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Gall	11-4-13	[signature]	11/8/13	1109	

AF72005-06 - *issued 08/01/2011*

CatesLab Project No. PLM-7242
page 2 of 5 (11404)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 637613 0046 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288878	DB4A			Brown Cove Base w\Yellow mastic / Room 1 of Dental Blds.
288879	DB4B			Closet Suite F of Dental Blds.
288880	DB4C			waiting area Suite C of Dental Blds
288881	DB4D			Closet Suite A of Dental Blds.
288882	DB5A			Grey and Brown carpet w\ yellow mastic\ Room 149 of Dental Blds.
288883	DB6A			white 12" X 12" floor tile w\ Blue\Red specks\ Room 135 of Dental
288884	DB6B			
288885	DB7A			Grey Base cove w\ yellow mastic \ Room 135 of Dental Blds.
288886	DB8A			Lt Grey 12" X 12" floor tile w\ Brown\white streaks \ Closet Suite F of Dental
288887	DB8B			Closet Suite C of Dental Blds.
288888	DB8C			Closet Suite A of Dental Blds
288889	DB8D			Dark Room of Dental Blds

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-4-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLM-7242
Page 3 of 5 (11404)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody**

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376130046 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288890	DB9A		2'X2' ceiling tile	waiting Area C adjacent to conference Room
288891	DB9B			Hallway by room H-81
288892	DB9C			adjacent to Room 15 of Dental Blds
288893	DB9D			Main Lobby \ waiting area of Dental Blds
288894	DB10A		Black mastic on TSI above ceiling	waiting Area C adjacent to conference Room
288895	DB11A		Surfacing Material	waiting Area C ~~of~~ adjacent to conference Room
288896	DB11B			Hallway adjacent to Suite D
288897	DB11C			Main Lobby \ waiting area of Dental Blds.
288898	DB11D			Hallway by Suite A
288899	DB11E			Room 18 of Dental Blds.
288900	DB11F			Reception and Records Area of Dental Blds.
288901	DB11G			Hallway by Air handler Room 2 of Dental Blds.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-4-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLU-7242 (11404)

Page 4 of 5

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 637613 0046 Project: Keesler Airforce Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288902	DB12A		white Duct Mastic	Main Lobby / waiting area of Dental Bldg
288903	DB12B		↓	Hallway adjacent to Room H-81 of Dental
288904	DB12C		↓	Hallway by air handler Room 2 of Dental Bldg.
288905	DB13A		white Duct Tape w/ mastic	Mechanical Room 4
288906	DB13B		white Duct Tape w/ mastic	↓
288907	DB14A		TSI Elbow	Mechanical Room 4
288908	DB14B		↓	
288909	DB15A		Red Putty	Mechanical Room 4
288910	DB15B		↓	↓
288911	DB16A		white Caulking	Mechanical Room 4
288912	DB16B		↓	↓
288913	DB17A		TSI Piping	Mechanical Room 4

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-4-13	[signature]	11/8/13	1109	

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CatesLab Project No. PLM-7242 (11404)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal ___ Fax ___ Email ✓ Positive Stop? Yes ✓ No ___

Project No. 6376130046 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH) / STD / 3-4 Day / 5 Day	Sample Description/Location
288914	DB17B			TSI Piping / Mechanical Room 4
288915	DB18A			Mortar / Mechanical Room 4
288916	DB18B			/ NE corner of Dental Bldg
288917	DB18C			/ North wall of Dental Bldg
288918	DB18D			/ North west corner of Dental Bldg
288919	DB18E			/ South west corner of Dental Bldg
288920	DB19A			window Caulking / north wall of Dental Bldg
288921	DB19B			/
288922	DB19C			/ South wall of Dental Bldg
288923	DB20A			window Sealant / NE corner of Dental Bldg
MC	~~DB20B~~			

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael Cole	11-4-13	[signature]	11/8/13	1109	

AF72005-06 - *issued 08/01/2011*

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___ of ___

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/13/2013
Sample Date: 10/31/2013

On 11/11/2013, twenty-nine (29) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288940	DB-21A	Concrete Slab - under Vacuum in Main Mechanical Room of Dental Building	None Detected
CL288941	DB-21B	Concrete Slab - in Center of Main Mechanical Room of Dental Building	None Detected
CL288942	DB-21C	Concrete Slab - Air Handler Room #1 of Dental Building	None Detected
CL288943	DB-21D	Concrete Slab - Air Handler Room #2 of Dental Building	None Detected
CL288944	DB-21E	Concrete Slab - under Air Compressor in Main Mechanical Room of Dental Building	None Detected
CL288945	DB-21F	Concrete Slab - under Boiler #1 in Main Mechanical Room of Dental Building	None Detected
CL288946	DB-22A	Concrete Stairs - on North End of the Dental Building	None Detected
CL288947	DB-23A	White Mastic & Tape - in Air Handler Room #2 of Dental Building	None Detected - Wrap None Detected - Insulation
CL288948	DB-23B	White Mastic & Tape - in Air Handler Room #1 of Dental Building	None Detected - Wrap None Detected - Insulation
CL288949	DB-24A	Rubber Gasket - in Air Handler Room #1 of Dental Building	None Detected
CL288950	DB-24B	Rubber Gasket - in Air Handler Room #2 of Dental Building	None Detected
CL288951	DB-25A	Insulation - around Hatch of Boiler #1 in Main Mechanical Room of Dental Building	None Detected
CL288952	DB-25B	Insulation - around Hatch of Boiler #2 in Main Mechanical Room of Dental Building	None Detected
CL288953	DB-26A	Caulking - on South Wall of Air Handler Room #2 of Dental Building	None Detected
CL288954	DB-26B	Caulking - on South Wall of Air Handler Room #2 of Dental Building	None Detected
CL288955	DB-27A	Silver Duct Tape w/Black Mastic - in Main Mechanical Room of Dental Building	None Detected - Duct Tape/Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/13/2013
Sample Date: 10/31/2013

On 11/11/2013, twenty-nine (29) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288956	DB-27B	Silver Duct Tape w/Black Mastic - in Main Mechanical Room of Dental Building	None Detected - Duct Tape/Mastic
CL288957	DB-28A	TSI Elbow - Main Mechanical Room of Dental Building	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288958	DB-29A	TSI - in Main Mechanical Room of Dental Building	None Detected - White Mastic None Detected - Wrap
CL288959	DB-29B	TSI - in Main Mechanical Room of Dental Building	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288960	DB-30A	Red Putty - in Air Handler Room #2 of Dental Building	None Detected
CL288961	DB-30B	Red Putty - in Air Handler Room #2 of Dental Building	None Detected
CL288962	DB-31A	TSI Joint - in Main Mechanical Room of Dental Building	None Detected - White Mastic None Detected - Insulation
CL288963	DB-31B	TSI Joint - in Main Mechanical Room of Dental Building	None Detected - White Mastic None Detected - Insulation
CL288964	DB-32A	TSI Joint - Air Handler Room #1 of Dental Building	None Detected - White Mastic None Detected - Insulation 1 None Detected - Insulation 2
CL288965	DB-33A	TSI - Air Handler Room #1 of Dental Building	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288966	DB-33B	TSI - Air Handler Room #2 of Dental Building	None Detected - Wrap None Detected - Insulation
CL288967	DB-34A	TSI Elbow - Air Handler Room #1 of Dental Building	None Detected - White Mastic None Detected - Wrap None Detected - Insulation

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
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Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/13/2013
Sample Date: 10/31/2013

On 11/11/2013, twenty-nine (29) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288968	DB-34B	TSI Elbow - Air Handler Room #2 of Dental Building	None Detected - White Mastic None Detected - Wrap None Detected - Insulation

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	11/13/2013
Project No:	6376-13-0046.01	Sample Date:	10/31/2013
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 11/11/2013, twenty-nine (29) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Jessica Scott

Analyst: Jessica Scott

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242 (11409)

CATES LABORATORIES | **Asbestos Bulk Sample Chain of Custody**

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376130046.01 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288940	DB21A	10-31-13		concrete slab under vaccum in Main Mechanical Room of Dental
288941	DB21B			in center of Main Mechanical Room of Dental
288942	DB21C			Air Handler Room #1 of Dental Bldg.
288943	DB21D			Air Handler Room #2 of Dental Bldg.
288944	DB21E			under Air compressor in Main Mechanical Room of Dental Bldg
288945	DB21F			under Boiler #1 in Main Mechanical Room of Dental Bldg.
288946	DB22A			concrete stairs on Nort end of the Dental Building
288947	DB23A			white mastic and tape in Air Handler Room #2 of Dental Bldg
288948	DB23B			in Air Handler Room #1 of Dental Bldg.
288949	DB24A			Rubber gasket in Air Handler Room #1 of Dental Bldg.
288950	DB24B			in Air Handler Room #2 of Dental Bldg.
288951	DB25A			insulation around Hatch of Boiler #1 in Main Mechanical Room of Dental

Relinquished By	Date	Received By	Date	FED-EX Time	Special Instructions
michael cobb	11-3-13	[signature]	11/11/13	1002	

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*1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167*
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLA-7242 (11,409)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376130046.01 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288952	DB25B	10-31-13		Insulation/Around Hatch of Boiler #2 in Main Mechanical Room of Den
288953	DB26A	↓		Caulking/on southwall of Air Handler Room #2 of Dental Bldg
288954	DB26B	↓		↓
288955	DB27A	↓		Silver Duct tape w/Black Mastic/in Main Mechanical Room of Dental
288956	DB27B	↓		↓
288957	DB28A	↓		TSI Elbow/Main Mechanical Room of Dental Bldg.
288958	DB29A	↓		TSI/in Main Mechanical Room of Dental Bldg.
288959	DB29B	↓		↓
288960	DB30A	↓		Red puddy/in Air Handler Room #2 of Dental Bldg.
288961	DB30B	↓		↓
288962	DB31A	↓		TSI Joint/in Main Mechanical Room of Dental Bldg
288963	DB31B	↓		↓

Relinquished By	Date	Received By	Date	Time	Special Instructions
michael cobb	11-3-13	[signature]	11/11/13	10:02	

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242 (114409)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376130046.01 Project: Keesler AFB

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288964	DB32A	10-31-13		TSI Joint / Air Handler Room #1 of Dental Bldg.
288965	DB33A	↓		TSI / Air Handler Room #1 of Dental Bldg.
288966	DB33B	↓		↓ / Air Handler Room #2 of Dental Bldg
288967	DB34A	↓		TSI Elbow / Air Handler Room #1 of Dental Bldg.
288968	DB34B	↓		↓ / Air Handler Room #2 of Dental Bldg.

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Cobb	11-3-13	[signature]	11/4/13	1002	

AF72005-06 - *issued 08/01/2011*

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

PLM REPORT SUMMARY

Cates Laboratories
1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/18/2013
Sample Date: 10/31/2013

On 11/11/2013, thirty-two (32) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288969	MH-1A	Beige Cove Base w/Yellow Mastic - Office in C01 of Mental Health	None Detected
CL288970	MH-1B	Beige Cove Base w/Yellow Mastic - Office in C01 of Mental Health	None Detected
CL288971	MH-1C	Beige Cove Base w/Yellow Mastic - Office in C02 of Mental Health	None Detected
CL288972	MH-1D	Beige Cove Base w/Yellow Mastic - Conference Room of Mental Health	None Detected
CL288973	MH-1E	Beige Cove Base w/Yellow Mastic - Office Space adjacent to Conference Room	None Detected
CL288974	MH-2A	Textured Ceiling Tile - Office in C01 of Mental Health	None Detected
CL288975	MH-2B	Textured Ceiling Tile - Office in C02 of Mental Health	None Detected
CL288976	MH-2C	Textured Ceiling Tile - Conference Room of Mental Health	None Detected
CL288977	MH-2D	Textured Ceiling Tile - Physical Therapy of Mental Health	None Detected
CL288978	MH-3A	White Duct Mastic - Office in C01 of Mental Health	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288979	MH-3B	White Duct Mastic - Office in C01 of Mental Health	None Detected
CL288980	MH-3C	White Duct Mastic - Office in C02 of Mental Health	None Detected
CL288981	MH-3D	White Duct Mastic - Office Space adjacent to Conference Room	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288982	MH-3E	White Duct Mastic - Physical Therapy of Mental Health	None Detected - White Mastic None Detected - Wrap None Detected - Insulation
CL288983	MH-4A	Drywall w/Joint Compound - above Office in C01 of Mental Health	None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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1720 Regal Row, Suite 210
Dallas, Texas 75235 (214) 920-5006

NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client: AMEC Environment & Infrastructure, Inc.
Project: Keesler AFB
Project No: 6376-13-0046.01
Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/18/2013
Sample Date: 10/31/2013

On 11/11/2013, thirty-two (32) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288984	MH-4B	Drywall w/Joint Compound - above an Office in C02 of Mental Health	None Detected - Paint Layer None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288985	MH-4C	Drywall w/Joint Compound - Conference Room of Mental Health	None Detected - Joint Tape None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288986	MH-4D	Drywall w/Joint Compound - Physical Therapy of Mental Health	None Detected - Paint Layer None Detected - Joint Compound None Detected - Paper None Detected - Wallboard Material
CL288987	MH-5A	Blue & White Carpet w/Yellow Mastic - an Office in C01 of Mental	None Detected
CL288988	MH-5B	Blue & White Carpet w/Yellow Mastic - an Office in C02 of Mental	None Detected
CL288989	MH-5C	Blue & White Carpet w/Yellow Mastic - Conference Room of Mental Health	None Detected
CL288990	MH-5D	Blue & White Carpet w/Yellow Mastic - Office Space adjacent to Conference Room	None Detected
CL288991	MH-6A	Silver Mastic Tape - Office Space adjacent to Conference Room	None Detected
CL288992	MH-7A	12" X 12" White & Gray Streaked Floor Tile - Physical Therapy	None Detected - Floor Tile None Detected - Yellow Mastic
CL288993	MH-7B	12" X 12" White & Gray Streaked Floor Tile - Physical Therapy	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic
CL288994	MH-7C	12" X 12" White & Gray Streaked Floor Tile - Physical Therapy	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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Project: Keesler AFB
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Identification: Asbestos, Bulk Sample Analysis
Test Method: Polarized Light Microscopy/Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116

Lab Job No.: PLM-07242
Report Date: 11/18/2013
Sample Date: 10/31/2013

On 11/11/2013, thirty-two (32) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Client Field I.D.	Sample Description/Location	Asbestos Content
CL288995	MH-7D	12" X 12" White & Gray Streaked Floor Tile - Physical Therapy	None Detected - Floor Tile None Detected - Yellow Mastic None Detected - Black Mastic
CL288996	MH-8A	12" X 12" Beige w/Brown Streaks Floor Tile - Physical Therapy	None Detected - Floor Tile 1 None Detected - Yellow Mastic None Detected - Floor Tile 2 None Detected - Black Mastic
CL288997	MH-8B	12" X 12" Beige w/Brown Streaks Floor Tile - Physical Therapy	None Detected - Floor Tile 1 None Detected - Yellow Mastic None Detected - Floor Tile 2 None Detected - Black Mastic
CL288998	MH-9A	Brown Putty - under Sink in Physical Therapy	None Detected
CL288999	MH-9B	Brown Putty - under Sink in Physical Therapy	None Detected
CL289000	MH-10A	Mortar - Physical Therapy	None Detected

These samples were analyzed by layers. The overall percent asbestos for the sample is reported when relevant. The EPA considers a material to be asbestos containing only if it contains greater than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) – materials that are friable or may become friable – be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. CatesLab utilizes CVAE on a routine basis and does not include point counting unless specifically requested by the client. The results may not be reproduced except in full.

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1720 Regal Row, Suite 210
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NVLAP Lab No. 200569-0
TDSHS License No. 30-0287

Client:	AMEC Environment & Infrastructure, Inc.	Lab Job No.:	PLM-07242
Project:	Keesler AFB	Report Date:	11/18/2013
Project No:	6376-13-0046.01	Sample Date:	10/31/2013
Identification:	Asbestos, Bulk Sample Analysis		
Test Method:	Polarized Light Microscopy/Dispersion Staining (PLM/DS) EPA Method 600/R-93/116		

On 11/11/2013, thirty-two (32) bulk samples were submitted by Mr. Richard Brown of AMEC Environment & Infrastructure, Inc. for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein.

STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116 or the U.S. Environmental Protection Agency method, under AHERA (EPA 600/M4-82-020), for the analysis of asbestos in building materials by polarized light microscopy. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst: Kathy Schosek

Laboratory Director: John R. Cates, P.G.

Approved Signatory:

NVLAP LAB CODE 200569-0

CatesLab Project No. PLM-7242
Page 1 of 3 (11410)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email✓ Positive Stop? Yes✓ No__

Project No. 6376130046.01 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288969	MH1A	10-31-13	Beige Cove Base w\ Yellow mastic	office in CO1 of Mental Health
288970	MH1B	↓	↓	↓
288971	MH1C	↓	↓	office in CO2 of Mental Health
288972	MH1D	↓	↓	Conference Room of Mental Health
288973	MH1E	↓	↓	office space adjacent to conference Room
288974	MH2A	↓	Textured ceiling tile	office in CO1 of Mental Health
288975	MH2B	↓	↓	office in CO2 of Mental Health
288976	MH2C	↓	↓	Conference Room of Mental Health
288977	MH2D	↓	↓	Physical therapy of Mental Health
288978	MH3A	↓	white Duct Mastic	office in CO1 of Mental Health
288979	MH3B	↓	↓	↓
288980	MH3C	↓	↓	office in CO2 of Mental Health

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Gall	11-3-13	[signature]	11/11/13	1002	

AF72005-06 - *issued 08/01/2011*

*1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167*
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PCM-7242

page 2 of 3 (11410)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376130046.01 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one) ASAP / 24 hr / RUSH / STD / 3-4 Day / 5 Day	Sample Description/Location
288981	MH3D	10-31-13	white duct mastic	office space adjacent to conference Room
288982	MH3E		↓	physical therapy of Mental Health
288983	MH4A		Drywall w/ joint compound	above office in C01 of Mental Health
288984	MH4B			above an office in C02 of Mental Health
288985	MH4C			conference Room of Mental Health
288986	MH4D		↓	Physical therapy of Mental Health
288987	MH5A		Blue & white carpet w/ yellow mastic	an office in C01 of Mental Health
288988	MH5B			an office in C02 of Mental Health
288989	MH5C			conference Room of Mental Health
288990	MH5D			office space adjacent to conference Room
288991	MH6A	↓	silver mastic tape	↓
288992	MH7A		12"x12" white & grey streaked floor tile	physical therapy

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Gall	11-3-13	[signature]	11/11/13	1002	

AF72005-06 - *issued 08/01/2011*

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NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

CatesLab Project No. PLM-7242 (11410)

CATES LABORATORIES

Asbestos Bulk Sample Chain of Custody

Company: AMEC Results to: Richard Brown Verbal__ Fax__ Email ✓ Positive Stop? Yes ✓ No__

Project No. 6376130046.01 Project: Keesler Air Force Base

CatesLab No.	Field I.D. No.	Date of Sample	Turnaround (circle one): ASAP / 24 hr (RUSH), STD, 3-4 Day, 5 Day	Sample Description/Location
288993	MH7B	10-31-13		12" X 12" white & grey streaked floor tile / Physical therapy
288994	MH7C			
288995	MH7D			
288996	MH8A			12" X 12" Beige w/ Brown streaks floor tile /
288997	MH8B			
288998	MH9A			Brown Puddy / under sink in Physical therapy
288999	MH9B			/ under sink in Physical therapy
289000	MH10A			mortar / Physical therapy

Relinquished By	Date	Received By	Date	Time	Special Instructions
Michael Gobl	11-3-13	[signature]	11/11/13	1002	

AF72005-06 - *issued 08/01/2011*

*1720 Regal Row, Suite 210, Dallas, TX 75235 * (214) 920-5006, Fax 1-972-767-0167*
NVLAP Code 200569-0, TDH Lab License 30-0287 AF72005-06

APPENDIX E

XRF AND PCL CALIBRATION CHECKS AND PCL LABORATORY ANALYSIS REPORTS

APPENDIX E

XRF AND PCL CALIBRATION CHECKS

Calibration Record

XRF Unit No.:	1198	**Last Source Change**	April 2012
XRF Type:	Lead Paint Analyzer LPA-1	**Screening Reading Time:**	Quick Mode
Field Calibration Dates	October 29, 2013		

	NIST Level	**Quick Mode**	**Within Limits**
Initial a.m. Calibration 10/29/13	I	3.8	Yes
	III	1.0	Yes
	Blank	-0.2	Yes
	Manufacturer Standard	1.9	Yes
End of Day 10/29/13	I	3.7	Yes
	III	1.0	Yes
	Blank	-0.0	Yes
	Manufacturer Standard	2.0	Yes

Calibration Record

XRF Unit No.:	1198	**Last Source Change**	April 2012
XRF Type:	Lead Paint Analyzer LPA-1	**Screening Reading Time:**	Quick Mode
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	Blank	-0.0	Yes
	Manufacturer Standard	2.0	Yes

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	201312227
CustomerID:	LAWE52N
CustomerPO:	
ProjectID:	

Attn: **James Marsh**
AMEC E&I, Inc.
3901 Carmichael Avenue
Jacksonville, FL 32207

Phone:	(904) 396-5173
Fax:	(904) 399-3176
Received:	11/20/13 9:55 AM
Collected:	10/28/2013

Project: **6376-13-0046.01 / Kessler AFB**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
HPC-1	*0001*	10/28/2013	11/22/2013	<0.010 % wt
Site: OR Hall- N. Wall				
HPC-2	*0002*	10/28/2013	11/22/2013	<0.010 % wt
Site: 4A 124- Door Frame				
HPC-3	*0003*	10/28/2013	11/22/2013	0.14 % wt
Site: "6" Mechanical- Door				
HPC-4	*0004*	10/28/2013	11/22/2013	<0.012 % wt
Site: Stairs GB-1- Handrail				
HPC-5	*0005*	10/28/2013	11/22/2013	<0.015 % wt
HPC-6	*0006*	10/28/2013	11/22/2013	0.078 % wt
Site: Men's RR: 1B408- Door Frame				
DPC-1	*0007*	10/28/2013	11/22/2013	0.016 % wt
Site: South Entry Lobby- E.Wall				
DPC-2	*0008*	10/28/2013	11/22/2013	<0.025 % wt
Site: South Entry Lobby- S.Wall				
DPC-3	*0009*	10/28/2013	11/22/2013	0.25 % wt
Site: Suite "I" - Entry Door				
DPC-4	*0010*	10/28/2013	11/22/2013	<0.010 % wt
Site: "F" Lobby- E. Wall				

Julie Smith - Laboratory Director
NJ-NELAP Accredited:03036
or other approved signatory

Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. The QC data associated with these results included in this report meet the method QC requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted.
* slight modifications to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.
Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 11/22/2013 17:12:29