Final
Pre-Demolition Hazardous Materials Survey Report
for the
Dorsey Building
at
9250 Bendix Road
Columbia, Maryland

Prepared for:

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December 2015

EA Project No. 14835.42

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Asbestos-Containing Material
ACBM	Asbestos-Containing Building Material
AHERA	Asbestos Hazard Emergency Response Act
CERCLA	Comprehensive Environmental Response, Compensation, and Recovery Act
CFR	Code of Federal Regulations
COMAR	Code of Maryland
EPA	(U.S.) Environmental Protection Agency
HA	Homogeneous Area
HAZMAT	Hazardous Material(s)
HID	High Intensity Discharge
HUD	United States Department of Housing and Urban Development
LBP	Lead-Based Paint
LF	Linear Feet
MDE	Maryland Department of the Environment
mg/cm^2	Milligrams Per Square Centimeter
mg/L	Milligrams Per Liter
NIST	National Institute for Standards and Technology
NESHAP	National Emission Standards for Hazardous Air Pollutants
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyl
PLM	Polarized Light Microscopy
RCRA	Resource Conservation and Recovery Act
SACM	Suspect Asbestos-Containing Materials
SF	Square Feet
TCLP	Toxicity Characteristic Leachate Procedure
TEM	Transmission Electron Microscopy
TSCA	Toxic Substances Control Act
XRF	X-ray Fluorescence

EXECUTIVE SUMMARY

EA Engineering, Science, and Technology, Inc., PBC (EA) performed a hazardous materials (HAZMAT) survey of the Thomas B. Dorsey Building and associated signal shop located at 9250 Bendix Road in Columbia, Maryland from 26 October to 6 November 2015. The survey included inspections for asbestos-containing materials (ACM); lead-based paint (LBP) and lead-containing paint (LCP); polychlorinated biphenyls (PCB)-containing light ballasts, equipment, and building materials; mercury-containing sources (e.g., fluorescent light tubes, high-intensity discharge (HID) bulbs, and mercury thermostats/switches); containerized hazardous substances; ozone depleting refrigerants, and other universal wastes, including batteries. The inspections were conducted in accessible interior and exterior areas of the facility to support planned demolition activities. ACM and LBP inspections were conducted by U.S. Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) accredited and State of Maryland licensed asbestos building inspectors and Maryland-licensed LBP inspectors, respectively. Inspections for PCBs, mercury-containing sources, containerized hazardous substances, ozone depleting refrigerants, and other universal wastes were performed by qualified environmental professionals.

Hazardous Building Materials Survey Findings:

Asbestos - Twenty five (25) homogeneous areas of suspect ACM were identified to contain regulated levels of asbestos (greater than 1%) and four (4) homogeneous areas of suspect ACM are assumed to contain regulated levels of asbestos in the Dorsey Building. No asbestos was detected in the remaining one hundred and thirty seven (137) homogeneous areas sampled at the Dorsey Building. Eleven (11) homogeneous areas were sampled at the signal shop during the survey and none were identified to contain regulated levels of asbestos. Confirmed ACM present at the Dorsey Building included floor tiles, mastic, and roof drain and piping elbows. Wooden and metal fire doors and roofing material were not sampled to preserve their integrity, but were assumed to contain asbestos. Detailed information describing each material is provided in Section 3.1.

This assessment indicates the presence of lead-based paint (LBP) at, or above regulated levels in connection with the property on metal I-beams, interior and exterior bollards, and interior metal piping as indicated in Section 3.2.Additionally, lead-containing paint (LCP) was identified at various locations throughout the property as noted in Section 3.2.

Each of the fluorescent light ballasts inspected during the survey contained “No PCB” labelling and are not considered to be PCB-containing. However, fourteen (14) ballasts associated with three (3) types of fluorescent light fixtures were inaccessible at the time of the inspection and are assumed to contain PCBs at regulated levels. Ballasts with “No PCBs” labeling may be disposed of as non-PCB waste. In addition, EA identified and sampled five types of caulk to determine PCB content. None of the caulk samples contained PCBs. Further description of the PCB assessment is included in Section 3.3.

Mercury is assumed to be present in a combined total of eight thousand one hundred and twenty three (8,123) mercury-containing fluorescent light tubes and sixty five (65) exit signs identified in the Dorsey Building and Signal Shop. Each of these are assumed to contain regulated levels of mercury. Fourteen (14) mercury-containing ampules in thermostats were identified throughout both buildings. In addition, there was one (1) high-intensity discharge (HID) bulb identified in room 375 that is assumed to contain mercury. No mercury switches were observed during the survey. Mercury-containing equipment (fluorescent light tubes, exit signs, thermostats, etc.) must be handled either as a hazardous waste or a universal waste, as described in Section 3.4.

One hundred and fourteen (114) devices containing ozone-depleting substances (Freon) were identified during the survey. These devices include water coolers, water fountains, refrigerators, vending machines, and Freon canisters located throughout both buildings. A total of eighty nine (89) fire extinguishers were also identified, as were six (6) areas of paint storage (Room 1, Room 3, Room 5, Room 96, Room 327, and Signal Shop). One (1) drum of oil storage was also observed in the machine shop. Batteries were observed to be stored in three (3) areas (Room 1, Room 385, and Signal Shop). Ice melt, or sidewalk salt, was observed to be stored in four (4) areas (Room 9, Room 84, Room 89, and Room 96). One (1) room (Room 87) contained XRF instruments, which are known to contain a radioactive isotope sealed source. Three (3) areas of fluorescent light tube storage were also identified (Room 3, Room 18, and Room 88). All rooms are identified in the attached drawings (Appendix A).

1.0 INTRODUCTION

EA Engineering, Science, and Technology, Inc., PBC (EA) was contracted by Howard County Department of Public Works Bureau of Environmental Services in accordance with Consulting Services Agreement CA-11-10 and Purchase Order No. 2000015615 to perform a hazardous materials (HAZMAT) survey of the Thomas B. Dorsey Building and associated signal shop located at 9250 Bendix Road in Columbia, Maryland. Survey activities were conducted on 26 October 2015 through 6 November 2015.

The survey included inspections for asbestos-containing materials (ACM); lead-based paint (LBP) and lead-containing paint (LCP); polychlorinated biphenyls (PCB)-containing light ballasts, equipment, and building materials; mercury-containing sources (e.g., fluorescent light tubes, high-intensity discharge (HID) bulbs, and mercury thermostats/switches); containerized hazardous substances; ozone depleting refrigerants, and other universal wastes, including batteries.

The inspections were conducted in accessible interior and exterior areas of the facility to support planned demolition activities. ACM and LBP inspections were conducted by U.S. Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) accredited and State of Maryland licensed asbestos building inspectors and Maryland-licensed LBP inspectors, respectively. Inspections for PCBs, mercury-containing sources, containerized hazardous substances, ozone depleting refrigerants, and other universal wastes were performed by qualified environmental professionals. Appendix C contains inspector certifications.

The survey activities included accessing areas above and/or behind fixed (plaster, drywall, masonry block, concrete, etc.) walls, floors, and ceilings where access panels or hatches were present. A portion of the roof was accessed from an area where it could be safely reached from the penthouse.

Structural components of the office building and signal shop include drywall, cinderblock walls, wood framework, and flooring. Lighting throughout each building is provided by ceiling or wall-mounted incandescent and fluorescent fixtures.

2.0 METHODOLOGY

2.1 ASBESTOS INSPECTION

The asbestos inspection was conducted in accordance with EPA Standard 40 Code of Federal Regulations (CFR) 763, Subpart E, AHERA inspection and sampling protocol, which included identifying homogeneous areas of suspect ACM, determination of suspect ACM friability, assessing homogeneous areas of suspect ACM to determine condition, and collection of samples of suspect ACM to determine asbestos content. A homogeneous area is an area of surfacing materials, thermal surface insulation, or miscellaneous material that is uniform in color and texture. The asbestos inspection was a non-intrusive investigation performed to identify suspect ACM in accessible building areas. Samples of suspect ACM were submitted to BATTA Laboratories (BATTA) for analysis by Polarized Light Microscopy (PLM) in accordance with the EPA Method for the Determination of Asbestos in Bulk Insulation Samples (EPA/600/R-93/116) utilizing positive stop methodology, whereby a sample set representing a homogeneous area of suspect ACM is analyzed until a result indicating >1% asbestos is obtained. Once such result is obtained, any additional samples in the set are not analyzed and the homogeneous area is considered to be asbestos-containing. If no results indicating >1% asbestos are obtained, the homogeneous area is considered to be non-asbestos, the exception being where samples whose results indicated <1% or trace asbestos were further analyzed by PLM Point Count. BATTA is certified for bulk asbestos sample analysis via PLM by the National Institute for Science and Technology (NIST) through the National Voluntary Laboratory Accreditation Program (NVLAP). Appendix D contains laboratory certifications.

2.2 LEAD-BASED PAINT AND LEAD-CONTAINING PAINT INSPECTION

EA conducted a LBP screening inspection of accessible areas of the facility. The survey included interior and exterior areas of the buildings and was designed to identify components coated with lead paint. The survey consisted of testing for lead concentrations of painted surfaces throughout the building utilizing a Niton Xlp-300 X-Ray Fluorescence (XRF) spectrum analyzer.

Tested surfaces included, but were not limited to, walls, doors, doorframes, support framework, and window components. The side of the room was determined by the location of the component (e.g., “Side A” was used for the side most towards the street where the property is addressed and continues in a clockwise pattern with the second side being “Side B”).

Prior to obtaining readings from suspect LBP surfaces, the XRF was calibrated in accordance with the manufacturer’s instructions. A minimum of three tests were performed on a lead paint standard to check the calibration of the instrument. Once the Niton XRF displayed three consecutive readings within the acceptable range of 0.7 – 1.3 milligrams of lead per square centimeter (mg/cm^2), the unit was considered to be functioning properly and within the established tolerance. Calibration checks were performed prior to and at the end of the survey.

2.3 POLYCHLORINATED BIPHENYLS INSPECTION

EA inspected fluorescent light ballasts contained in representative light fixtures throughout the facility. During the inspection, EA observed the ballasts to determine whether or not "No PCBs" was indicated on the label. According to the U.S. EPA, all ballasts manufactured prior to July 1978 have a greater than fifty percent (50%) chance of containing PCBs at 50 parts per million (ppm) or greater. Ballasts manufactured after July 1978 are required to bear a "No PCBs" label indicating they do not contain PCBs. Based on this information, any unlabeled ballasts, and ballasts not bearing "No PCBs" labeling found during this survey were assumed to contain PCBs at levels greater than 50 ppm [in accordance with requirements of 40 CFR 761(b)]. PCB-containing equipment whose PCB content is 50 ppm or greater is regulated for disposal purposes. The survey also included identifying other electrical equipment such as transformers that might contain PCBs.

In addition to inspecting light fixtures EA also collected five (5) caulk samples from various locations throughout the building, including exterior areas. Samples of the various types of caulk identified at the building were collected from areas that represented the intended application (from the seam itself if the caulk was used to seal a seam; from the gap between concrete slabs if the caulk was used as an expansion joint, etc.) and not from an area of adjacent over-application or physical damage that is not representative of the entire caulk application cross-section. This assured that an accurate cross-section of the material was sampled, and no extraneous materials were collected with the sample. Each of the samples was assigned a unique sample identification number which was recorded on the sample container and a laboratory chain-of-custody (COC) form. Samples were hand-delivered to Maryland Spectral Services for analysis by gas chromatography in accordance with EPA Method 3540/8082 for determination of PCB content. According to 40 CFR 761.3, PCB-containing caulk is considered PCB bulk product waste if the concentration of PCBs in the caulk is greater than or equal to 50 ppm.

2.4 MERCURY-CONTAINING SOURCE INSPECTION

During the inspection of the facility, EA visually inspected representative light fixtures, thermostats, and other potential mercury containing sources to determine if they may contain mercury. Fluorescent tube manufacturers indicate that all fluorescent tubes contain some amount of mercury, as do typical HID bulbs. Mercury-containing light tubes and bulbs whose mercury content is 0.2 mg/L mercury or greater are regulated for disposal purposes. Any liquid filled ampules associated with thermostats were assumed to contain mercury, as were any liquid-filled thermometers.

2.5 CONTAINERIZED HAZARDOUS SUBSTANCES / REGULATED MATERIALS INSPECTION

EA personnel visually inspected the building for containerized hazardous substances and other regulated materials including refrigerants, batteries, "Exit" signs, and petroleum products. EA inspected accessible areas such as closets, cabinets, and under sinks and documented the container and label, the approximate quantity, the location, and the condition of the container of the items found. Any observed substances are described in Section 3.5.

3.0 RESULTS

3.1 ASBESTOS-CONTAINING MATERIALS

EA identified twenty-five (25) homogeneous areas of ACM located at the Dorsey Building. No ACM was identified at the signal shop. Suspect ACM is considered to be asbestos-containing if bulk sample results indicate greater than one percent (1%) asbestos in the sampled material. In addition to laboratory confirmed ACM, four (4) homogeneous areas of suspect ACM are assumed to be asbestos-containing since sampling them would inhibit there functional use. This includes core sampling of the roof, which EA did not conduct at the direction of Howard County. No asbestos was detected in the remaining one hundred and thirty seven (137) homogeneous areas sampled at the Dorsey office building and eleven (11) homogeneous areas sampled at the signal shop during the inspection. A summary of the homogeneous areas identified and sampled is provided in attached Table 3-1. A summary of known positive and assumed positive homogeneous areas are identified in Table 3-1-2 below. These tables also provides sample results and quantities for laboratory confirmed and assumed ACM. A description of sample locations and material friability is also provided in this table, as are locations of any confirmed ACM. Appendix A contains floor plans with exact sample locations identified. Appendix E contains laboratory certificates of analysis and chain-of-custody records.

TABLE 3-1-2: Laboratory Confirmed and Assumed ACM

HA Number	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
007	12" x 12" Floor tile - beige with tan streaks	Room 3, Room 4, Room 5, Room 17, Room 54, Room 58, Room 77, Room 78, Room 79, Room 80, Room 81, Room 106, Room 118, Room 326, Room 344, Room 378, Room 380, Room 383, Room 391, Room 398, Room 412, Room 393, Room 394, Room 395, Room 396, Room 397, Room 399, Room 400, Room 401, Room 402, Room 403, Room 404, Room 405, Room 406	3% Chrysotile	7,358 SF	No	Fair

TABLE 3-1-2: Laboratory Confirmed and Assumed ACM

HA Number	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
010	12" x 12" Floor tile - light brown with white and dark brown flakes	Room 6, Room 7, Room 8, Room 9, Room 57, Room 58, Room 64, Room 69, Room 70, Room 71, Room 82, Room 84, Room 239, Room 327, Room 328, Room 331, Room 344, Room 350, Room 383, Room 391, Room 398, Room 393, Room 394, Room 395, Room 396, Room 397, Room 399, Room 400, Room 401, Room 402, Room 403, Room 404, Room 405, Room 406	3% Chrysotile	12,357 SF	No	Good
034	6"-8" OD mudded elbow of roof drain - gray	Room 93, Room 6	0.75 % Chrysotile 1% Chrysotile	6 EA	Yes	Good
035	Floor tile under plywood - beige	Room 22, Room 23, Room 24, Room 25, Room 26, Room 43	8% Chrysotile	1,615 SF	No	Good
036	Mastic with 035 - gold Layered mastic - black	Room 22, Room 23, Room 24, Room 25, Room 26, Room 43	NAD 8% Chrysotile	1,615 SF	No	Good
040	9" x 9" Floor tile under carpet - beige with black curved lines	Room 49, Room 50, Room 51, Room 27, Room 387, Room 390	8% Chrysotile	1611 SF	No	Good
041	Mastic with 040 - black	Room 49, Room 50, Room 51, Room 27, Room 387, Room 390	10% Chrysotile	1611 SF	No	Good
049	12" x 12" Floor tile - off white with black dots that make up streaks	Room 56, Room 329	8% Chrysotile	225 SF	No	Good
050	Mastic with 049 - black	Room 56, Room 329	8% Chrysotile	225 SF	No	Good

TABLE 3-1-2: Laboratory Confirmed and Assumed ACM

HA Number	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
055	12" x 12" Floor tile - beige with blue-gray and beige streaks	Room 59, Room 60, Room 61, Room 62, Room 63, Room 72, Room 85, Room 86, Room 87, Room 97, Room 98, Room 99, Room 100, Room 101, Room 102, Room 103, Room 104, Room 105, Room 107, Room 412, Room 416, Room 427, Room 428	2% Chrysotile	18,456 SF	No	Fair
056	Mastic with 055 - black	Room 59, Room 60, Room 61, Room 62, Room 63, Room 72, Room 85, Room 86, Room 87, Room 97, Room 98, Room 99, Room 100, Room 101, Room 102, Room 103, Room 104, Room 105, Room 107, Room 412, Room 416, Room 427, Room 428	5% Chrysotile	18,456 SF	No	Good
076	Mastic with 075 - black	Room 80, Room 81	5% Chrysotile	905 SF	No	Good
079	2"-3" OD elbow on fiberglass pipe - gray	Room 90, Room 91, Room 92, Room 240, Room 261, Room 344	2% Chrysotile Not Analyzed Not Analyzed	44 EA	Yes	Poor
081	9" x 9" Floor tile - tan with beige/brown mottle	Room 94, Room 95	5% Chrysotile	2,850 SF	No	Good
082	9" x 9" Floor tile - brown with dark brown/tan mottle	Room 94, Room 95	5% Chrysotile	2,850 SF	No	Good
083	Mastic with 081 and 082 - black	Room 94, Room 95	5% Chrysotile	5,700 SF	No	Good
091	Mastic with 090 - gold	Room 106, Room 355	2% Chrysotile	107 SF	No	Good

TABLE 3-1-2: Laboratory Confirmed and Assumed ACM

HA Number	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
096	9" x 9" Floor tile - off white with gray and beige streaks	Room 119, Room 120, Room 121, Room 126, Room 127, Room 128, Room 132, Room 133, Room 349, Room 122, Room 123, Room 124, Room 125, Room 129, Room 130, Room 131, Room 134, Room 135, Room 136, Room 137, Room 138, Room 139	3% Chrysotile	2,590 SF	No	Good
097	9" x 9" Floor tile - gray/green with gray and white streaks	Room 119, Room 120, Room 121, Room 126, Room 127, Room 128, Room 132, Room 133, Room 349, Room 122, Room 123, Room 124, Room 125, Room 129, Room 130, Room 131, Room 134, Room 135, Room 136, Room 137, Room 138, Room 139	3% Chrysotile	2,590 SF	No	Good
098	Mastic with 096 and 097 - black	Room 119, Room 120, Room 121, Room 126, Room 127, Room 128, Room 132, Room 133, Room 349, Room 122, Room 123, Room 124, Room 125, Room 129, Room 130, Room 131, Room 134, Room 135, Room 136, Room 137, Room 138, Room 139	5% Chrysotile	5,180 SF	No	Good

TABLE 3-1-2: Laboratory Confirmed and Assumed ACM

HA Number	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
116	Remnant mastic - black	Room 295, Room 296, Room 297, Room 298, Room 308, Room 311, Room 313, Room 316, Room 317, Room 322, Room 323, Room 324, Room 242, Room 244, Room 246, Room 248, Room 243, Room 245, Room 247, Room 249, Room 251, Room 253, Room 278, Room 279, Room 280, Room 281, Room 283, Room 284, Room 286, Room 287, Room 288, Room 289, Room 290, Room 292, Room 293, Room 294, Room 299, Room 300, Room 301, Room 302, Room 303, Room 304, Room 305, Room 306, Room 307, Room 309, Room 310, Room 314, Room 318, Room 319, Room 321	5% Chrysotile	16,275 SF	No	Good
122	12" x 12" Floor tile - off white with thin blue and gray streaks	Room 256	2% Chrysotile	100 SF	No	Good
142	Mastic with particle board walls - black	Room 20	5% Chrysotile	600 SF	No	Good
144	9" x 9" Floor tile - green with beige mottle	Room 418, Room 419, Room 420	5% Chrysotile	555 SF	No	Good
145	Mastic with 144 - black	Room 418, Room 419, Room 420	3% Chrysotile	555 SF	No	Good

TABLE 3-1-2: Laboratory Confirmed and Assumed ACM

HA Number	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
154	Metal Fire Door	Room 74, Room 81, Room 89, Room 100, Room 101, Room 102, Room 103, Room 104, Room 132, Room 140, Room 150, Room 154, Room 168, Room 169, Room 175, Room 177, Room 180, Room 185, Room 193, Room 202, Room 215, Room 220, Room 223, Room 233, Room 234, Room 255, Room 331, Room 332, Room 336, Room 340, Room 341, Room 345, Room 354, Room 357, Room 382, Room 414, Room 415, Room 141, Room 142, Room 143,	Assumed	38	No	Good
155	Wood Fire Door	Room 7, Room 37, Room 274, Room 296	Assumed	4	No	Good
156	Flange Gaskets - 8 in. to 12 in. OD	Room 45	Assumed	11	No	Good
157	Roof	Roof	Assumed	197,250	No	Good

3.2 LEAD-BASED PAINT AND LEAD-CONTAINING PAINT

Table 3-2 (attached) provides a listing of painted building component surfaces that were tested. The painted surfaces determined to be coated with LBP are in bold font. The LBP surfaces included ceramic wall tile glaze, roof drain leader, interior metal structural beams (I-beams), interior bollards, exterior bollards, and interior metal pipes. This table includes a description of the tested surface, estimated area of the surface, paint color, and test results. Surfaces were identified as LBP if the result was greater than the State of Maryland definition of lead-based paint of 0.7 mg/cm^2. Surfaces are identified as LCP if results of the testing are less than or equal to 0.7 mg/cm^2. Building components determined to be LCP include walls, doors, door components, window components, ceilings and shelves.

Areas identified as positive for LBP were documented to be in good or fair condition. Interior and exterior bollards had plastic covers that were removed prior to testing the underlying paint surface. Upon removal of the plastic cover, the paint was observed to be in poor condition.

The United States Department of Housing and Urban Development (HUD) sampling requirements were not followed and were not required for this survey. Inspectors identified representative suspect LBP components throughout the facility. The same testing combinations of substrate, paint color, and component determined to contain lead at the sampled locations should be assumed to contain lead at locations not specifically sampled. LBP is identified in Table 3-2-2 below.

TABLE 3-2-2: SUMMARY OF LBP POSITIVE SURFACES

Component	Substrate	Condition	Color	Room	PbC (mg/cm^2)	Estimated Quantity
Bollard	Metal	Poor	Yellow	Room 9	1.7	120 SF
		Good	Yellow	Room 1	2.3	
		Poor	Yellow	Exterior	3.2	
Door	Metal	Good	Green	Room 89	0.9	50 SF
Pipe	Metal	Good	Yellow	Room 9	2.6	40 SF
Roof Drain	Metal	Good	Yellow	Room 20	2.2	200 SF
Structural Beam (I-Beam)	Metal	Good	Red	Room 274	4.1	6,500 SF
			Red	Mezzanine by Room 94	5	
			White	Room 239	5.9	
			White	Room 295	8	
			White	Room 83	2.5	
			Beige	Room 9	5.2	
			Green	Room 84	6	
			White	Room 87	6.2	
			Beige	Room 1	6.7	
			White	Room 53	8.9	
			Green	Room 106	10.1	
Wall	Ceramic	Good	Green	Room 54	4.4	2,240 SF
			Green	Room 330	4.8	
			Yellow	Room 56	5.1	
			Yellow	Room 329	5.6	

3.3 POLYCHLORINATED BIPHENYLS

A total of two thousand seven hundred and eighteen (2,718) ballasts associated with fluorescent light fixtures were identified during the inspection at the Dorsey building and signal shop. All of the observed ballasts displayed "No PCBs" labeling. Approximately fourteen (14) ballasts are contained in inaccessible fluorescent light fixtures located in Rooms 1, 3, 145, and the signal shop (see attached drawings in Appendix A). These ballasts are assumed to contain PCBs at regulated levels. No leaking or staining was observed in the vicinity of the ballasts.

Five (5) caulk samples for determination of PCB content were also collected (Table 3-3-1). According to 40 CFR 761.3, PCB-containing caulk is considered PCB bulk product waste if the concentration of PCBs in the caulk is greater than or equal to 50 ppm. No PCBs were detected in any of the caulk samples submitted for analysis. The initial analysis of sample number 9250-PCB2 had a detection limit exceeding the 50 ppm regulatory limit due to interference by the sample's matrix components. A re-analysis of this material was conducted after removal of matrix components from the sample aliquot in order to yield a 50 ppm limit of detection. No PCBs were identified in the re-analyzed sample as reported in the table below.

Table 3-3-1: SUMMARY OF PCB CAULK SAMPLE RESULTS

Sample No.	Material Description	Sample Location	Result
9250-PCB1	White Caulk	Around Freezer in Room 261	ND*
9250-PCB2	Salmon-colored Caulk	North Side Penthouse Wall	ND
9250-PCB3	Gray Caulk	Roof Divider at Penthouse (associated with aluminum trim)	ND
9250-PCB4	Gray Caulk	Room 20, Southwest Corner, on Bare Metal Duct	ND
9250-PCB5	White Caulk	Southeast Corner of Building Exterior at Base of Building	ND

* ND = None Detected

No other suspect PCB-containing equipment such as transformers, were identified at the facility.

3.4 MERCURY-CONTAINING SOURCES

Mercury is assumed to be present in the seven thousand eight hundred and fifteen (7,815) fluorescent light tubes associated with the various light fixtures, and in sixty five (65) exit signs located throughout the facility. One (1) HID bulb located in Room 375 is also assumed to contain mercury, as are fourteen (14) liquid-filled ampules associated with thermostats in Rooms 1, 9, 12.1, 20, 89, 120, 132, 201, 215, 411, and the signal shop. All fluorescent light tubes and mercury containing sources appeared to be in good condition with no leaks present.

3.5 CONTAINERIZED HAZARDOUS SUBSTANCES / REGULATED MATERIALS INSPECTION

One hundred and fourteen (114) devices containing ozone-depleting substances (Freon) were identified during the survey. These devices include water coolers, water fountains, refrigerators, refrigerated vending machines, and Freon canisters located throughout both buildings. A total of eighty nine (89) fire extinguishers were also identified, as were six (6) areas of paint storage (Room 1, Room 3, Room 5, Room 96, Room 327, and signal shop). One (1) drum of oil storage was also observed in the machine shop. Batteries were observed to be stored in three (3) areas (Room 1, Room 385, and signal shop). Ice melt, or sidewalk salt, was observed to be stored in four (4) areas (Room 9, Room 84, Room 89, and Room 96). One (1) room (Room 87) contained XRF instruments, which are known to contain a radioactive isotope sealed source. All rooms are identified in the attached drawings (Appendix A) and results of this inspection are provided in Table 3-3. Labels observed on containerized hazardous substances and regulated materials were intact and legible.

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4.0 CONCLUSIONS

4.1 ASBESTOS-CONTAINING MATERIALS

Twenty five (25) homogeneous areas of suspect ACM were identified as containing regulated levels of asbestos and four (4) homogeneous areas of suspect ACM are assumed to contain regulated levels of asbestos within the Dorsey Building. No ACM was identified at the signal shop. (See Table 3-1 for a complete list).

There were twelve (12) 2-3 inch OD elbows located in room 261 of the Dorsey Building that are damaged and friable.

Based on current EPA [National Emission Standards for Hazardous Air Pollutants (NESHAPs)], OSHA, and Code of Maryland Regulations contained in 40 CFR 61, 29 CFR 1910.1001/1926.1101 and COMAR 26.11.22, respectively, certain asbestos-containing materials must be identified and removed prior to building demolition activities. These include ACM that is friable and ACM that is non-friable but which may become friable during demolition. Removal of the non-friable asbestos-containing floor tiles, sheet flooring and flooring mastics present in the building need not be conducted prior to initiating demolition activities so long as these activities will not render the material friable. If it's reasonable to assume that non-friable ACM left in place during demolition will become friable, such as through use of various heavy equipment or through exposure to grinding or abrading resulting from demolition activity, these materials should be removed prior to initiating demolition.

All ACM within the Dorsey Building identified as friable must be removed prior to demolition.

4.2 LEAD-BASED PAINT AND LEAD-CONTAINING PAINT

LBP and LCP were identified during the inspection (see Table 3-2). Although LBP and LCP are not required to be removed prior to demolition activities, contractors working on LBP/LCP-coated structures and/or in areas containing LBP/LCP should be notified of its presence and must adhere to the requirements of OSHA 1926.62. In addition, LBP/LCP-containing waste and debris generated via demolition activities must be sampled and analyzed via Toxic Characteristic Leachate Procedure (TCLP) to determine lead content in the generated waste. If the result of the TCLP testing indicates greater than 5.0 milligrams per liter (mg/L) of lead in the waste stream, specialized disposal procedures are required.

4.3 POLYCHLORINATED BIPHENYLS

No PCB-containing light ballasts or transformers were identified in the 9250 Bendix Road property. However, approximately fourteen (14) ballasts are contained in inaccessible fluorescent light fixtures located in Rooms 1, 3, and 145 (see attached drawings in Appendix A). These ballasts are assumed to contain PCBs at regulated levels, and should be removed prior to demolition so that PCB contamination of the demolition waste stream does not occur.
Five (5) caulk samples for determination of PCB content were also collected during the inspection. According to 40 CFR 761.3, PCB-containing caulk is considered PCB bulk product waste if the concentration of PCBs in the caulk is greater than or equal to 50 ppm. No PCBs were detected in any of the caulk samples submitted for analysis; however, sample 9250-PCB2 initially had a detection limit exceeding the 50 ppm regulatory limit because of matrix interference. A re-analysis of this material with a 50 ppm limit of detection also indicated no PCBs. No other suspect PCB-containing equipment such as transformers, were identified at the facility.

4.4 MERCURY-CONTAINING SOURCES

USEPA currently regulates mercury-containing items under RCRA and CERCLA. 40 CFR 261 indicates that if a representative sample of mercury-containing waste contains 0.2 mg/L of mercury, as determined by TCLP sampling and analysis, the waste is considered hazardous and must be packaged, transported and disposed of as mercury-containing waste. A total of eight thousand one hundred and twenty three (8,123) fluorescent light tubes, one (1) assumed HID mercury-containing light bulb, fourteen (14) mercury-containing ampules in thermostats, and sixty five (65) exit signs were observed at the signal shop and Dorsey Building. In addition, there were three rooms (Room 3, Room 18, and Room 88) where fluorescent light tubes were stored (Approximately 800 total). Mercury-containing items must be handled either as a hazardous waste or a universal waste. EPA's universal waste rule streamlines management requirements and encourages recycling. Recycling is regarded as the preferred method for management of fluorescent tubes. 40 CFR 273 outlines waste management requirements for handlers of universal waste of mercury containing equipment.

Although no other mercury-containing devices were observed during the survey, due to the age of the building, there is a possibility that mercury-containing switches and/or other devices may exist. If mercury-containing devices are found during the demolition activities, they must be removed and disposed of in accordance with RCRA and CERCLA requirements.

4.5 CONTAINERIZED HAZARDOUS SUBSTANCES / REGULATED MATERIALS INSPECTION

Multiple areas were identified as containing hazardous materials. All containers for such materials were in good condition and were labeled properly. Please refer to Table 3-3 for locations and substance descriptions.

5.0 RECOMMENDATIONS

5.1 ASBESTOS-CONTAINING MATERIAL

All damaged friable ACM should be removed prior to demolition. Removal of the non-friable floor tiles, sheet flooring, and flooring mastic need not be conducted prior to initiating demolition activities so long as these activities will not render these materials friable (40 CFR 61). If the material becomes friable as a result of these activities, the activities affecting the material must be immediately halted and the materials must be properly removed prior to resuming these activities. The waste contaminated with the friable ACM must also be disposed as asbestos debris. A more conservative approach, and one that will lessen the likelihood of construction delays due to generation of friable ACM, would be to remove the asbestos-containing materials before beginning demolition. If removal is conducted, either because ACM is left in place and becomes friable as a result of demolition, or if it is removed prior to demolition, it must be conducted by accredited personnel employed by an appropriately licensed contractor.

Contractors working near asbestos-containing materials that remain in place during facility demolition activities should be notified of the presence of the material, and should be informed of procedures to be taken in the event of unintentional disturbance of ACM under 40 CFR 763.92. Contractors should also be aware of procedures to be taken if suspect asbestos-containing materials not identified in this report are discovered during renovation activities. These materials should be assumed to contain asbestos until required inspection and sampling is performed. Contractors should also provide written work procedures to be employed in order to maintain any ACM remaining in place in a non-friable state.

Until such a time as the identified ACBM is removed and/or the building is demolished, it is recommended that an Asbestos Operations and Maintenance (O&M) Program be developed to maintain ACBM in good condition. EA recommends that other suspect ACBM materials, that were either not included in the scope of work (e.g., additional roofing materials) or not identified during this limited non-intrusive survey, be sampled prior to demolition or renovation activities by conducting a comprehensive intrusive survey. Suspect ACBM should be assumed to be asbestos-containing until sampling proves otherwise. It is recommended that if encountered, ACBM in other than good condition be addressed by a coordinated response action (encapsulation, repair, removal, etc.) developed by an accredited asbestos project designer.

5.2 LEAD-BASED PAINT

As with any painted surface, the underlying paint layers can vary in color and lead content. Therefore, negative test results for a given component and surface color should not be relied upon for similar appearing components. For instance, the same color surface paint on doors can produce negative results on some doors and be positive (due to underlying paint) on other doors. Untested building components or structures should be considered to contain regulated levels of lead until subsequent testing shows otherwise. However, the same positive test combinations of substrate, paint color, and component at one location should be assumed to contain lead at

locations not specifically sampled. Although LBP and LCP is not required to be removed prior to demolition activities, contractors working on lead-painted components and/or working in the area of lead-containing paint should be notified of its presence and must adhere to the requirements of OSHA 1926.62. In addition, EA recommends that representative TCLP testing of any possible lead-containing waste (i.e., debris from surfaces with confirmed LBP or LCP) generated during facility renovation activities be conducted to determine waste disposal requirements.

5.3 POLYCHLORINATED BIPHENYLS

No PCB-containing light ballasts, transformers, or other PCB items or materials were identified at the Dorsey Building and associated signal shop. However, approximately fourteen (14) ballasts are contained in inaccessible fluorescent light fixtures located in Rooms 1, 3, 145, and the signal shop. These ballasts are assumed to contain PCBs at regulated levels, and should be removed for proper disposal as part of the demolition activities so that PCB contamination of the demolition waste stream does not occur. EA recommends that if any unlabeled ballasts, ballasts whose labeling does not indicate “No PCBs”, or whose labels are illegible are discovered during demolition, they should be considered PCB-containing, and should be handled and disposed of in accordance with 40 CFR 761.50(b)(2)(ii) and 40 CFR 761.62(a)-(c). To accomplish this, EA recommends that a licensed hazardous waste contractor be employed to package, label, manifest, transport and dispose of any PCB-containing or assumed PCB-containing ballasts. Because there were no PCBs detected in any of the caulk samples, no further action concerning these materials is required at this time.

5.4 MERCURY-CONTAINING SOURCES

EA recommends that the eight thousand one hundred and twenty three (8,123) fluorescent light tubes, fourteen (14) mercury ampules in thermostats, one (1) HID light bulb and all exit signs identified during the investigation be assumed to contain mercury. Packaging, transport and disposal of the mercury-containing light sources should be conducted in accordance with 40 CFR 261 – 263. Specialized hazardous waste training and licensing is not required to relocate the mercury sources. These sources should be removed from their fixed locations and staged to a centralized location for a hazardous waste contractor to containerize, label, and manifest for disposal. Care should be taken as to not break the tubes, bulbs, or mercury-containing thermostat ampules as this could release mercury to the environment.

Any other suspect mercury-containing devices that are discovered during demolition processes should be should be removed, packaged, transported, and disposed of as hazardous waste, to prevent a spill during demolition activities.

5.5 CONTAINERIZED HAZARDOUS SUBSTANCES / REGULATED MATERIALS INSPECTION

All containerized hazardous substances including ozone-depleting containers (water coolers, water fountains, refrigerators, refrigerated vending machines, and HVAC units), fire extinguishers, batteries, paint, oil, fire extinguishers, and ice melt, should be removed from the

facility prior to any demolition activities. All refrigerants should be disposed of in accordance with 40 CFR Part 82. Batteries should be treated as universal waste and disposed of in accordance with 40 CFR part 266. All paint and paint related items should be disposed of in accordance with 40 CFR part 261. Any oil that is being disposed of should follow requirements of 40 CFR part 279. Disposal of any other products should be conducted in accordance with label instructions and any applicable federal and state regulations to prevent a release.

6.0 DISCLAIMER

EA does not warrant that there are no environmental issues beyond those identified in this report, nor does EA accept any liability if such are found at some future time, or could have been found if additional sampling or studies were conducted. EA does not assume responsibility for other environmental issues that may be associated with the subject property.

In view of the rapidly changing status of environmental laws, regulations, and guidelines, EA cannot be responsible for changes in laws, regulations, or guidelines which occur after the study has been completed and which may affect the subject property.

This report was prepared for the Howard County Department of Public, Works Bureau of Environmental Services, by EA and is based in part on third party information not within the control of EA. While it is believed that the third party information contained herein will be reliable under the conditions and subject to the limitations set forth herein, EA does not guarantee the accuracy thereof. This report has been completed solely for the use of Howard County Department of Public Works Bureau of Environmental Services, and is being provided as a confidential document. Any transfer of this report to third parties is the sole responsibility of Howard County Department of Public Works Bureau of Environmental Services.

APPENDIX A

FLOOR PLANS

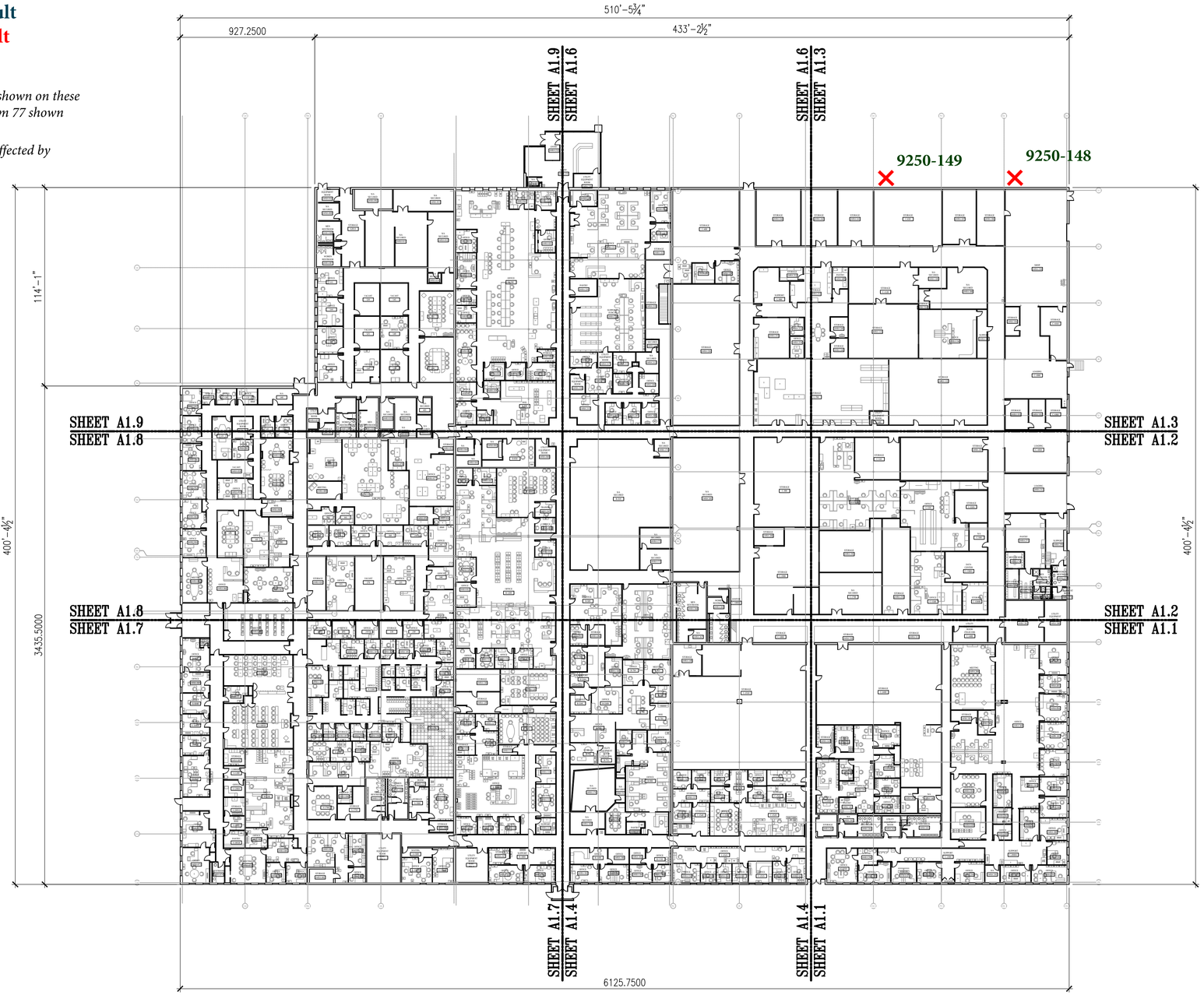
LEGEND

Room Number
Negative Sample Result
Positive Sample Result

Notes:

The Penthouse (Room 79) is not shown on these drawings. It is located above Room 77 shown on sheet A1.6.

See Table 3-1 for a list of areas affected by positive samples.

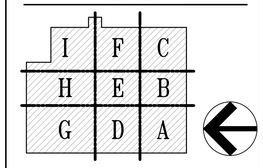


REVISIONS		

HOWARD COUNTY
BUREAU OF FACILITIES
DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN



GRAPHIC SCALES

SIGNATURE

FOR INFORMATION ONLY

Whitman, Requardt & Associates, LLP
801 South Caroline Street, Baltimore, Maryland 21231

OVERALL FIRST FLOOR FURNITURE PLAN

Drawing No.

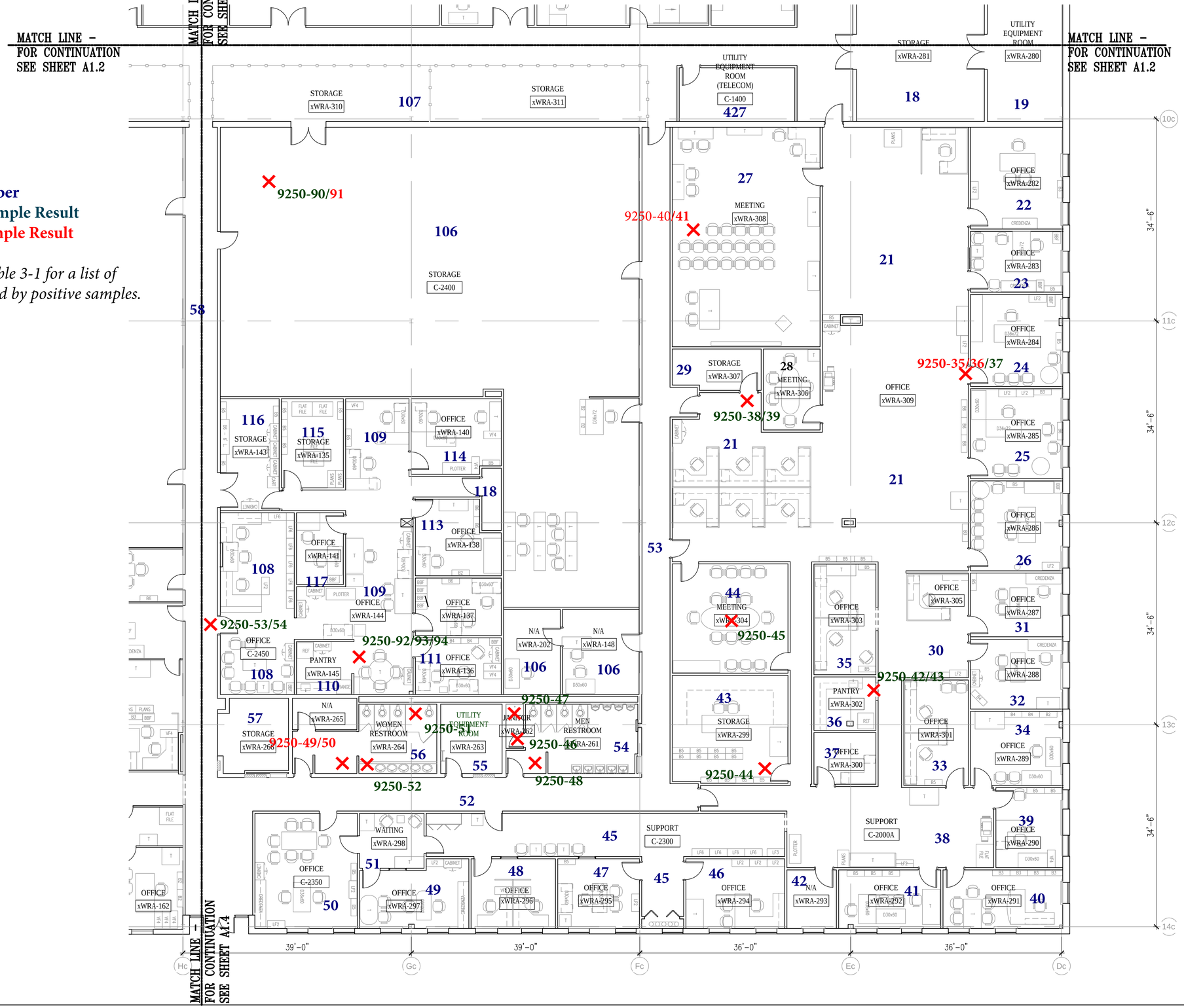
A0.1

Scale: NOT TO SCALE		
Date: 04/13/2015	Sheet 1 of 1	
Des: -	Drawn: RZH	Check: -

LEGEND

Room Number
Negative Sample Result
Positive Sample Result

Note: See Table 3-1 for a list of areas affected by positive samples.



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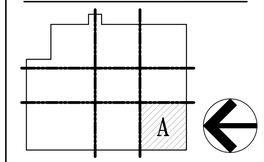
DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN



GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

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FIRST FLOOR FURNITURE PLAN
PART 1 OF 9

Drawing No.

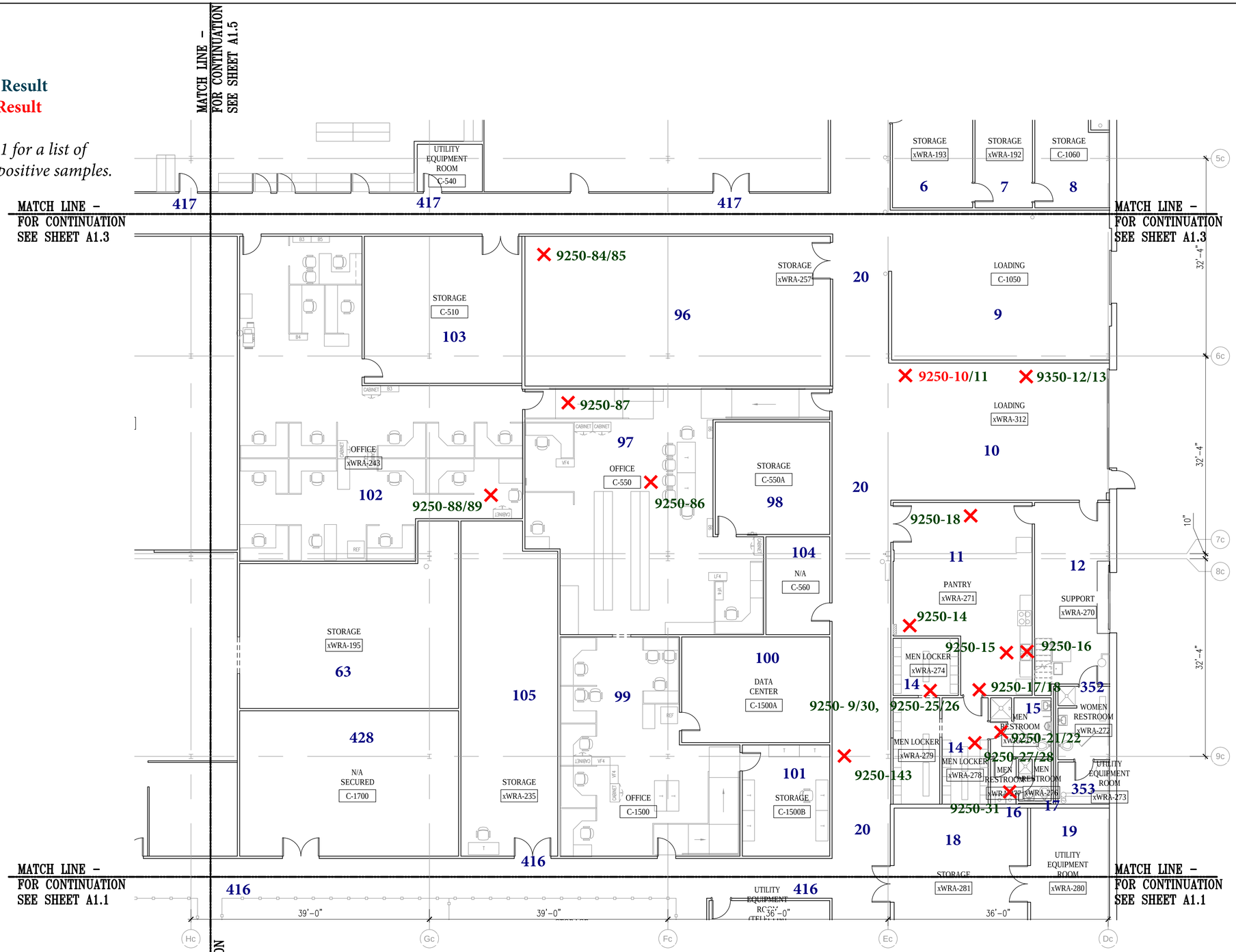
A1.1

Scale: 1/8" = 1'-0"		
Date: 04/13/2015	Sheet 1 of 9	
Des: –	Drawn: RZH	Check: –

LEGEND

Room Number
Negative Sample Result
Positive Sample Result

Note: See Table 3-1 for a list of areas affected by positive samples.



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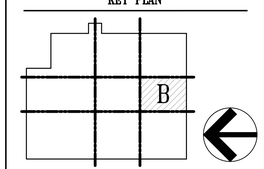
THOMAS DORSEY BUILDING

KEY PLAN



GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

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FIRST FLOOR FURNITURE PLAN
PART 2 OF 9

Drawing No.

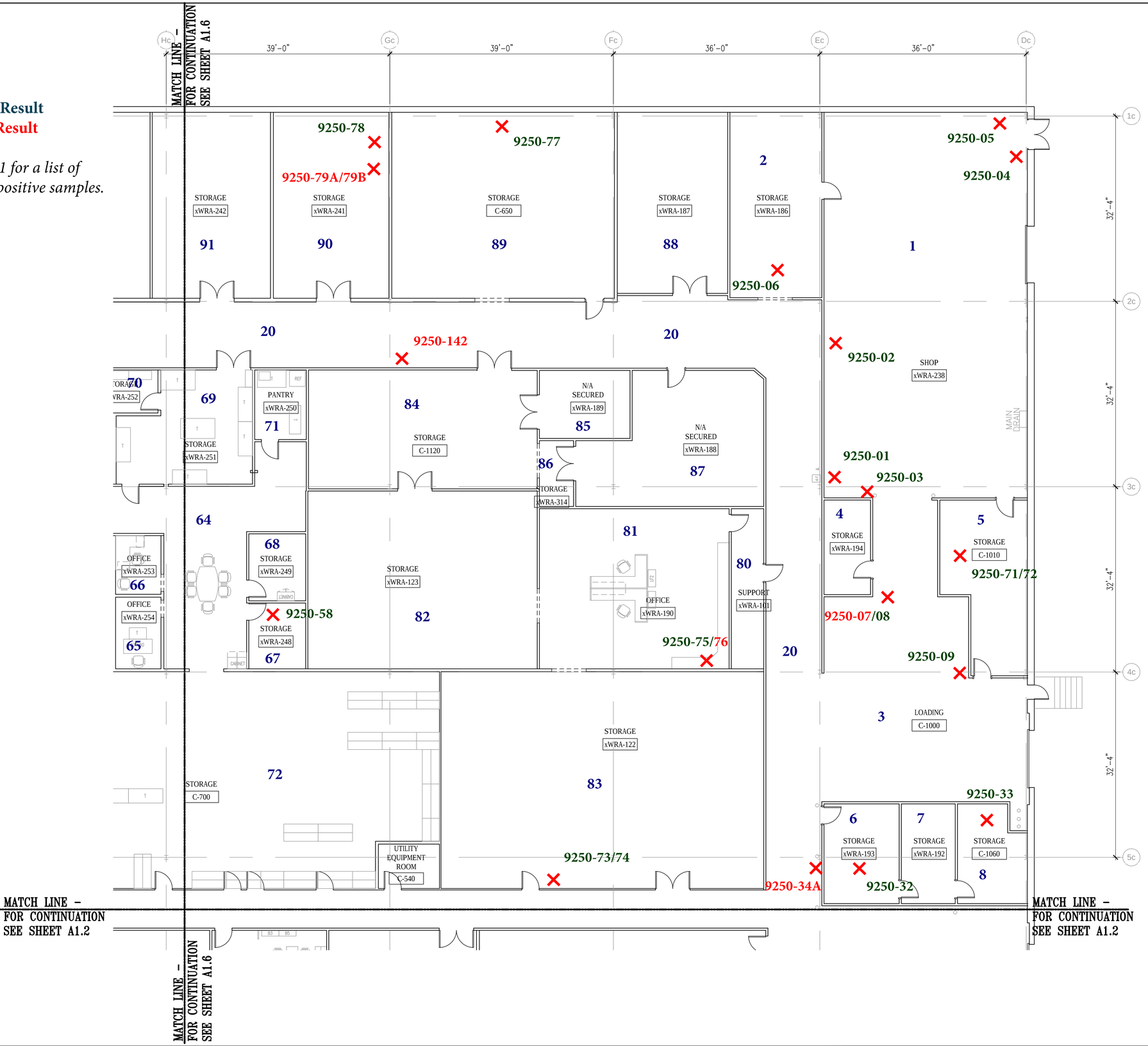
A1.2

Scale: 1/8" = 1'-0"		
Date: 04/13/2015	Sheet 2 of 9	
Des: –	Drawn: RZH	Check: –

LEGEND

Room Number
Negative Sample Result
Positive Sample Result

Note: See Table 3-1 for a list of areas affected by positive samples.



REVISIONS

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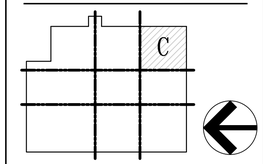
DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN



GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'–0"

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FIRST FLOOR FURNITURE PLAN
PART 3 OF 9

Drawing No.

A1.3

Scale: 1/8" = 1'–0"		
Date: 04/13/2015	Sheet 3 of 9	
Des: –	Drawn: RZH	Check: –

LEGEND

Room Number
Negative Sample Result
Positive Sample Result
Room Seperator

Note: See Table 3-1 for a list of areas affected by positive samples.

MATCH LINE – FOR CONTINUATION SEE SHEET A1.5

MATCH LINE – FOR CONTINUATION SEE SHEET A1.7

MATCH LINE – FOR CONTINUATION SEE SHEET A1.1

MATCH LINE – FOR CONTINUATION SEE SHEET A1.5

OFFICE xWRA-203 179 | STORAGE xWRA-204 178 | OFFICE xWRA-205 339 | xWRA-268 | N/A xWRA-267 | 9250-32 | 416 STORAGE C-1800

201 | MEETING B-708 338 | 335 | OFFICE xWRA-168 337 | OFFICE B-704 171 | MEETING B-703 172 | STORAGE xWRA-149 95 | 58

SUPPORT B-550A | 336 | STORAGE B-550C 334 | OFFICE B-550B 333 | 170 | OFFICE B-702 173 | OFFICE B-700 174 | MAIL B-701 | STORAGE C-2550 | 94

169 | OFFICE B-700 | 147 | OFFICE xWRA-175 148 | OFFICE xWRA-176 | 9250-81/82/83

201 | 175 STORAGE B-750 | 176 UTILITY EQUIPMENT ROOM (TELECOM) B-751 | 9250-102 | 58

OFFICE xWRA-116 | MEETING xWRA-115 | SUPPORT xWRA-113 | 422 N/A SECURED xWRA-313 | OFFICE B-900 146 | N/A SECURED xWRA-170 421 | N/A SECURED xWRA-169 421 | MEETING xWRA-178 149 | 145 PANTRY xWRA-179 | 144

OFFICE xWRA-156 130 | OFFICE xWRA-155 131 | OFFICE xWRA-152 123 | STORAGE C-2530 126 | OFFICE xWRA-151 124 | STORAGE C-2545A 349

STORAGE xWRA-157 128 | OFFICE xWRA-153 122 | OFFICE xWRA-150 125 | SUPPORT C-2545 119 | 9250-95/96/97/98

MEETING xWRA-154 129 | STORAGE C-2540 127 | MEETING C-2500 121 | OFFICE C-2520 120

201 | 132 | 9250-99/100/101 | 132 | 52

345 | OFFICE B-1100 | OFFICE xWRA-180 346 | OFFICE xWRA-185 143 | OFFICE B-1150 140 | OFFICE C-2525 133

OFFICE xWRA-182 348 | OFFICE xWRA-181 347 | OFFICE xWRA-184 142 | OFFICE xWRA-183 141 | OFFICE xWRA-158 139 | OFFICE xWRA-159 138 | OFFICE xWRA-160 137 | OFFICE C-2510 136 | OFFICE C-2535 133 | OFFICE xWRA-161 135 | OFFICE xWRA-162 134

40'–10⅝" | 10¼" | 38'–0" | 38'–0"

Kc | Jc | Hc

10c | 11c | 12b | 12c | 13c | 14b | 14c

34'–6"

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DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN

D

GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'–0"

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FIRST FLOOR FURNITURE PLAN
PART 4 OF 9

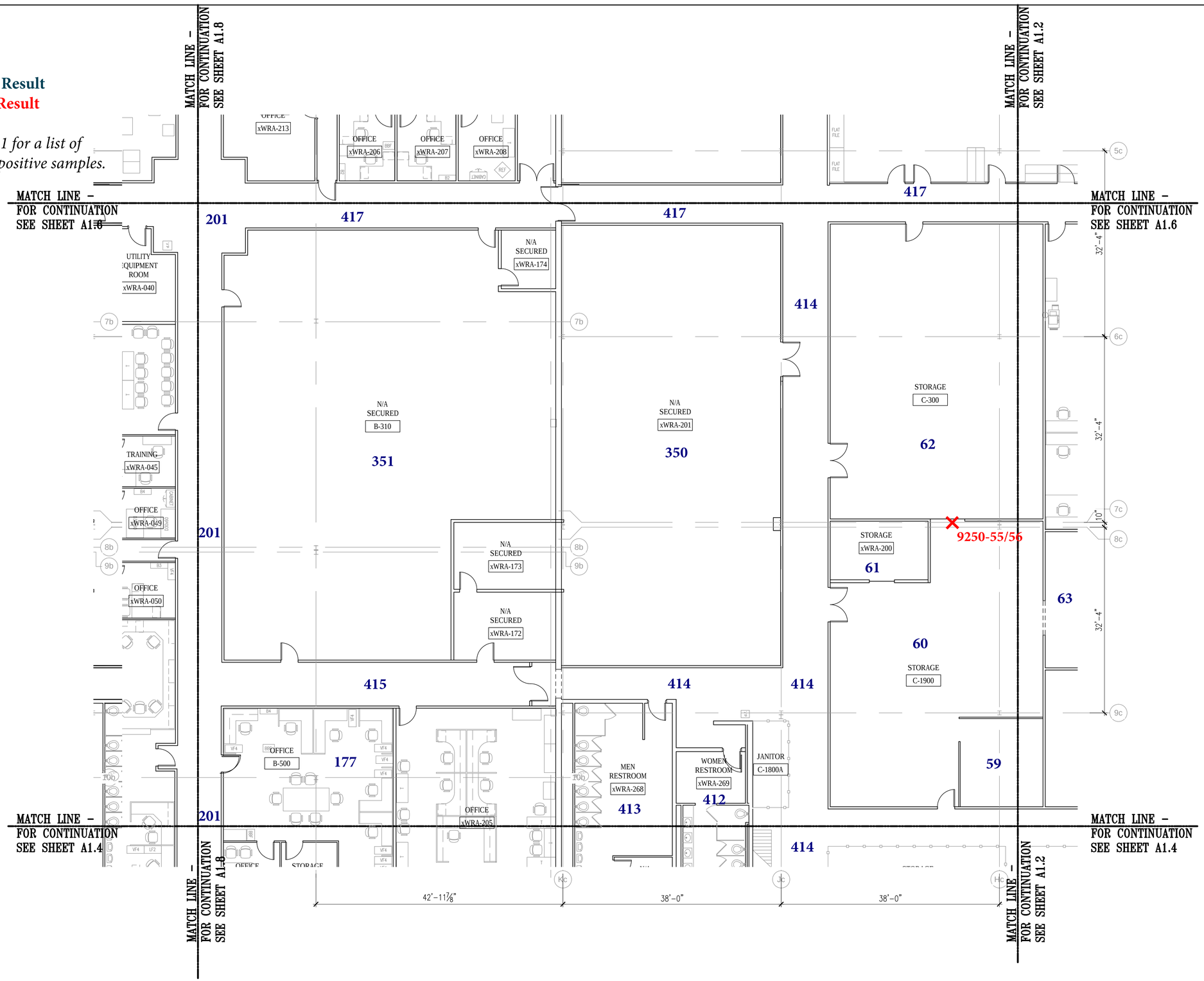
Drawing No.
A1.4

Scale: 1/8" = 1'–0"		
Date: 04/13/2015	Sheet 4 of 9	
Des: –	Drawn: RZH	Check: –

LEGEND

Room Number
Negative Sample Result
Positive Sample Result

Note: See Table 3-1 for a list of areas affected by positive samples.



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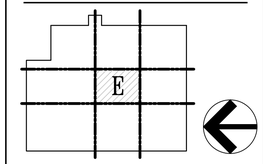
DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN



GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

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FIRST FLOOR FURNITURE PLAN
PART 5 OF 9

Drawing No.

A1.5

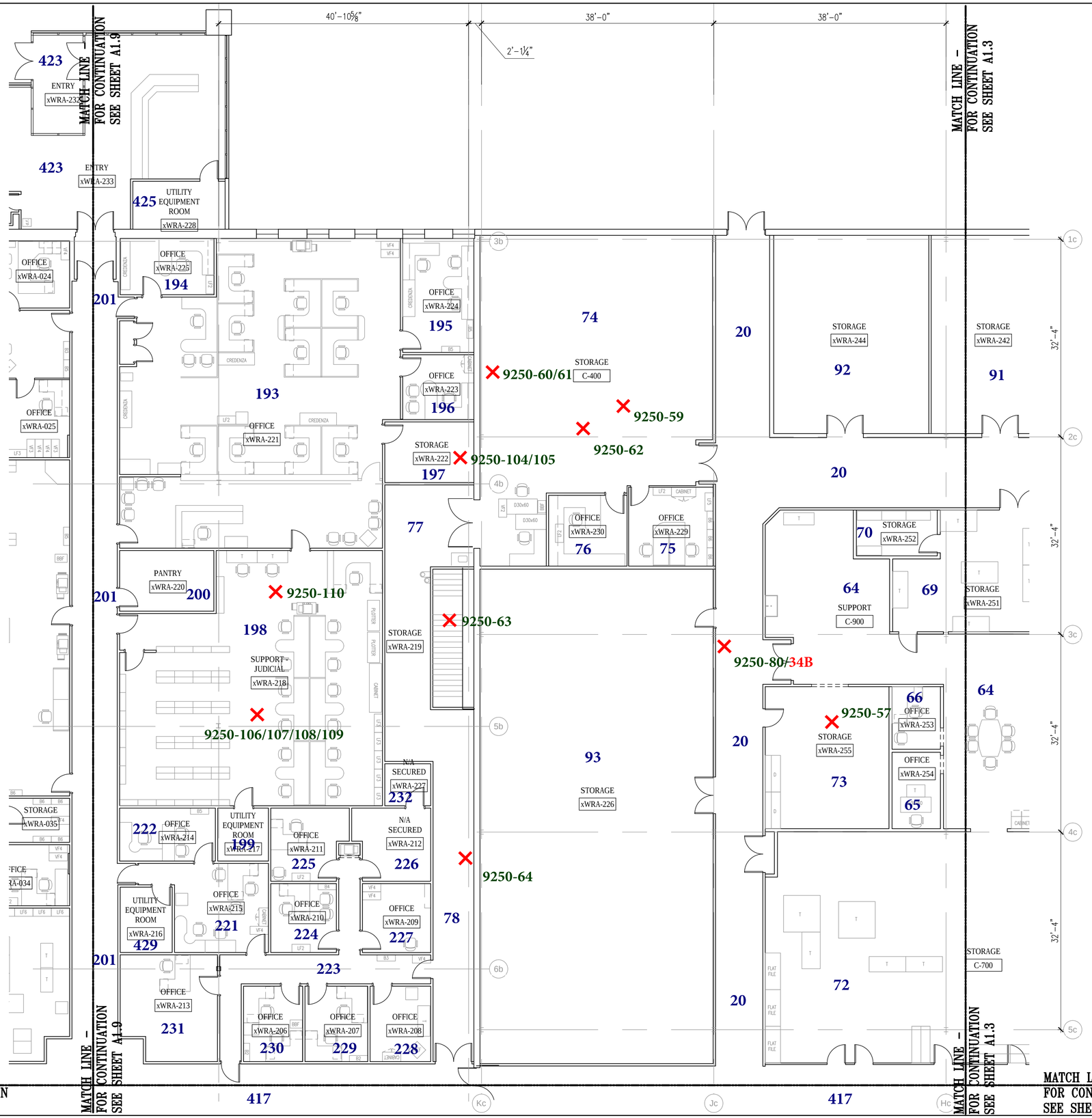
Scale: 1/8" = 1'-0"		
Date: 04/13/2015	Sheet 5 of 9	
Des: –	Drawn: RZH	Check: –

LEGEND

Room Number
Negative Sample Result
Positive Sample Result

Notes:
The Penthouse (Room 79) is located above Room 77.

See Table 3-1 for a list of areas affected by positive samples.



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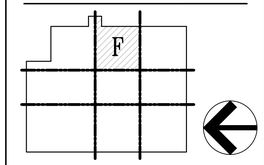
THOMAS DORSEY BUILDING

KEY PLAN



GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

SIGNATURE

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FIRST FLOOR FURNITURE PLAN
PART 6 OF 9

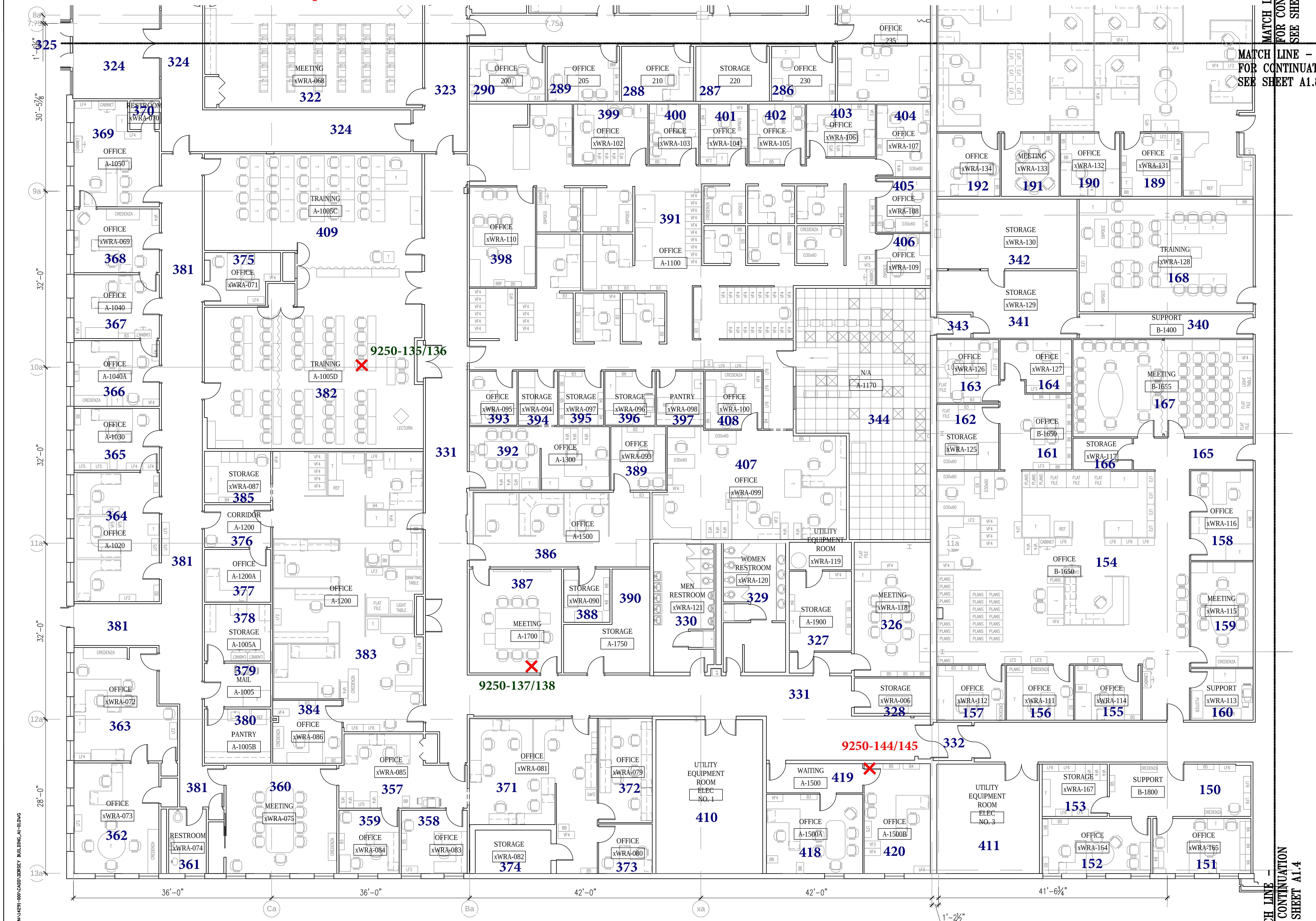
Drawing No.
A1.6

Scale: 1/8" = 1'-0"		
Date: 04/13/2015	Sheet 6 of 9	
Des: -	Drawn: RZH	Check: -

LEGEND:

Room Number
Negative Sample Result
Positive Sample Result

Note: See Table 3-1 for a list of areas affected by positive samples.



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BUREAU OF FACILITIES
DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN

GRAPHIC SCALES
0 4' 8' 16'
SCALE: 1/8" = 1'-0"

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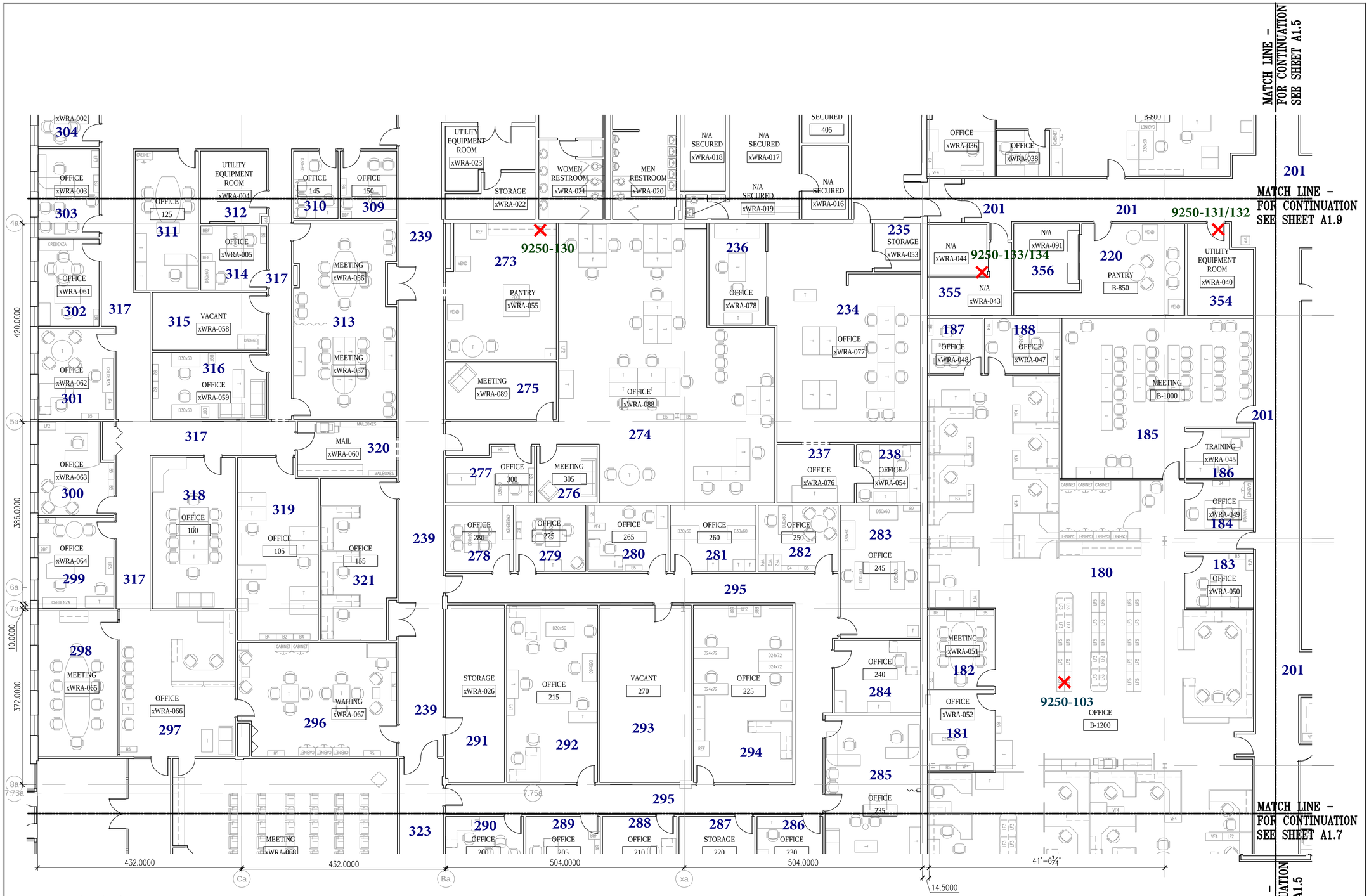
FIRST FLOOR FURNITURE PLAN
PART 7 OF 9

Drawing No.
A1.7

Scale: 1/8" = 1'-0"		
Date: 04/13/2015	Sheet 7 of 9	
Des: –	Drawn: RZH	Check: –



LEGEND:

Room Number
Negative Sample Result
Positive Sample Result

Note: See Table 3-1 for a list of areas affected by positive samples.

REVISIONS		

HOWARD COUNTY
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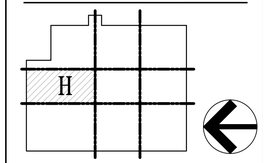
DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN



GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

SIGNATURE

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FIRST FLOOR FURNITURE PLAN
PART 8 OF 9

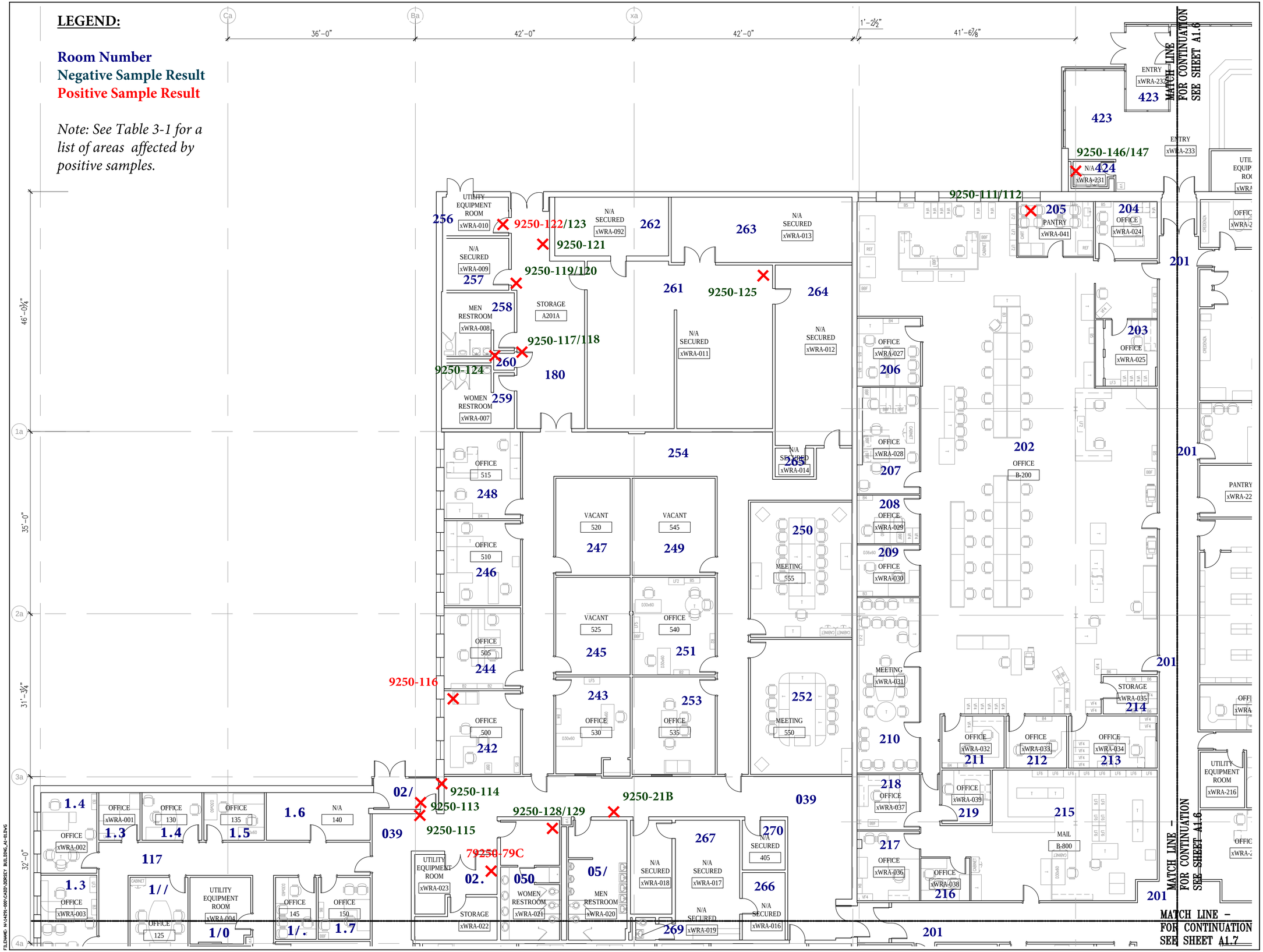
Drawing No.
A1.8

Scale: 1/8" = 1'-0"		
Date: 04/13/2015	Sheet 8 of 9	
Des: -	Drawn: RZH	Check: -

LEGEND:

Room Number
Negative Sample Result
Positive Sample Result

Note: See Table 3-1 for a list of areas affected by positive samples.



REVISIONS		

HOWARD COUNTY
BUREAU OF FACILITIES
DEPARTMENT OF PUBLIC WORKS

THOMAS DORSEY BUILDING

KEY PLAN

GRAPHIC SCALES

0 4' 8' 16'
SCALE: 1/8" = 1'-0"

SIGNATURE

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801 South Caroline Street, Baltimore, Maryland 21231

FIRST FLOOR FURNITURE PLAN
PART 9 OF 9

Drawing No.

A1.9

Scale: 1/8" = 1'-0"		
Date: 04/13/2015	Sheet 9 of 9	
Des: -	Drawn: RZH	Check: -

APPENDIX B

PHOTGRAPHIC LOG OF CONFIRMED ACM AND LBP

Photographic Log

Howard County Department of Public Works
Dorsey Building

Columbia, Maryland

EA Engineering, Science, and Technology, Inc., PBC

Photo 1. ACM Positive HA 007

Photo 2. ACM Positive HA 010

Photo 3. ACM Positive HA 034

Photo 4. ACM Positive HAs 035 and 036

Photo 5. ACM Positive HAs 040 and 041

Photo 6. ACM Positive HAs 049 and 050

Photographic Log

Howard County Department of Public Works
Dorsey Building

Columbia, Maryland

EA Engineering, Science, and Technology, Inc., PBC

Photo 7. ACM Positive HAs 055 and 056

Photo 8. ACM Positive HA 076 under HA 075

Photo 9. ACM Positive HA 079

Photo 10. ACM Positive HAs 081, 082, and 083

Photo 11. ACM Positive 091 under HA 090

Photo 12. ACM Positive HAs 096, 097, and 098

Photographic Log

Howard County Department of Public Works
Dorsey Building

Columbia, Maryland

EA Engineering, Science, and Technology, Inc., PBC

Photo 13. ACM Positive HA 116

Photo 14. ACM Positive HA 0122

Photo 15. ACM Positive HA 142

Photo 16. ACM Positive HAs 144 and 145

Photo 17. Assumed ACM HA 154

Photo 18. Assumed ACM HA 155

Photographic Log

Howard County Department of Public Works
Dorsey Building

Columbia, Maryland

EA Engineering, Science, and Technology, Inc., PBC

Photo 19. Assumed ACM HA 156 (not actual photo)

Photo 20. Assumed ACM HA 157 (not actual photo)

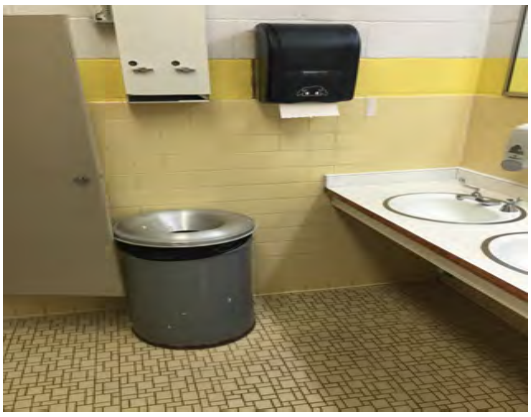

Photo 21. Lead Positive - Ceramic wall

Photo 22. Lead Positive - Structural (I -beam) beam

Photo 23. Lead Positive - Bollard

Photo 24. Lead Positive - Pipe

Photographic Log

Howard County Department of Public Works
Dorsey Building

Columbia, Maryland

EA Engineering, Science, and Technology, Inc., PBC

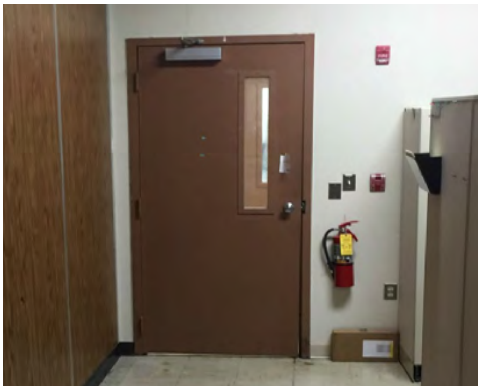

Photo 25. Lead Positive - Metal door

Not Shown

Photo 26. Lead Positive - Roof Drain

APPENDIX C

INSPECTOR CERTIFICATIONS

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

BENJAMIN POWELL

has met the attendance requirements and successfully completed the course entitled

4-HOUR EPA AHERA INSPECTOR REFRESHER

For Accreditation Under TSCA Title II

02/10/2015	02/10/2015	2/10/2016	STEVE SIERACKI
Course Date	***Exam Date***	***Expiration Date***	***Principal Instructor***

AIR02102015-8	VAAIR02102015-8	E. Rush Barnett
Certification No.	***Virginia Certification No.***	***Course Director***

1331 Ashton Road P.O.Box 646 Hanover, MD 21076 P: 410-684-3327 F: 410-684-3724

www.amatraining.com

THIS IS TO CERTIFY THAT

Benjamin Joseph Powell

HAS MET THE LEAD PAINT SERVICES ACCREDITATION REQUIREMENTS FOR

Inspector Technician

EXPIRATION DATE 11 / 15 / 2015

TRAINING PROVIDER Aerosol Monitoring & Analysis, Inc.

ADMINISTRATOR, LEAD PAINT ACCREDITATION
MARYLAND DEPARTMENT OF THE ENVIRONMENT

DATE 11/15/13

COURSE DATE 07 / 22 / 2013

STATE OF MARYLAND

Certificate # 14301

Application for reaccreditation shall be submitted to MDE 30 days prior to accreditation expiration indicated on this certificate.

APPENDIX D

LABORATORY CERTIFICATIONS

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101032-0

Batta Laboratories, Inc.

Newark, DE

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

Asbestos Fiber Analysis

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

2015-06-16 through 2016-06-30

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

APPENDIX E

LABORATORY CERTIFICATES OF ANALYSIS AND CHAIN OF CUSTODY RECORDS

Maryland spectral Services

Analytical Chemistry Services

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

12 November 2015

Doug Foerster
EA Engineering
225 Schilling Circle, STE 400
Hunt Valley, MD 21031
RE: DORSEY BUILDING HAZMAT

Enclosed are the results of analyses for samples received by the laboratory on 11/06/15 11:45.

A more detailed report format is available upon request, which lists the accreditation status for all analytical methods performed.

Please visit our website at www.mdspectral.com for a complete listing of our accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sam Hamner
Laboratory Manager

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
11/12/15 14:47

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
9250-PCB1		5110612-01	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB2		5110612-02	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB3		5110612-03	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB4		5110612-04	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB5		5110612-05	Bulk	11/06/15 11:00	11/06/15 11:45

Sam Hamner, Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
11/12/15 14:47

9250-PCB1

5110612-01 (Bulk)
Sample Date: 11/06/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 3540/8082 (GC/ECD)									
Aroclor-1016	ND		ug/kg wet	4760		1	11/06/15	11/11/15 02:43	CMK
Aroclor-1221	ND		ug/kg wet	9760		1	11/06/15	11/11/15 02:43	CMK
Aroclor-1232	ND		ug/kg wet	4760		1	11/06/15	11/11/15 02:43	CMK
Aroclor-1242	ND		ug/kg wet	4760		1	11/06/15	11/11/15 02:43	CMK
Aroclor-1248	ND		ug/kg wet	4760		1	11/06/15	11/11/15 02:43	CMK
Aroclor-1254	ND		ug/kg wet	4760		1	11/06/15	11/11/15 02:43	CMK
Aroclor-1260	ND		ug/kg wet	4760		1	11/06/15	11/11/15 02:43	CMK
Surrogate: Tetrachloro-m-xylene			*50-150*	*79 %*		*11/06/15*		*11/11/15 02:43*	
Surrogate: Decachlorobiphenyl			*50-150*	*88 %*		*11/06/15*		*11/11/15 02:43*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sam Hamner, Laboratory Manager

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
11/12/15 14:47

9250-PCB2

5110612-02 (Bulk)
Sample Date: 11/06/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 3540/8082 (GC/ECD)									
Aroclor-1016	ND		ug/kg wet	466000		100	11/06/15	11/11/15 03:15	CMK
Aroclor-1221	ND		ug/kg wet	955000		100	11/06/15	11/11/15 03:15	CMK
Aroclor-1232	ND		ug/kg wet	466000		100	11/06/15	11/11/15 03:15	CMK
Aroclor-1242	ND		ug/kg wet	466000		100	11/06/15	11/11/15 03:15	CMK
Aroclor-1248	ND		ug/kg wet	466000		100	11/06/15	11/11/15 03:15	CMK
Aroclor-1254	ND		ug/kg wet	466000		100	11/06/15	11/11/15 03:15	CMK
Aroclor-1260	ND		ug/kg wet	466000		100	11/06/15	11/11/15 03:15	CMK
Surrogate: Tetrachloro-m-xylene			*50-150*	*%*	*11/06/15*		*11/11/15 03:15*		*S-01*
Surrogate: Decachlorobiphenyl			*50-150*	*%*	*11/06/15*		*11/11/15 03:15*		*S-01*

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Sam Hamner, Laboratory Manager

As a NELAP accredited laboratory, MSS can provide a certification list upon request.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
11/12/15 14:47

9250-PCB3

5110612-03 (Bulk)
Sample Date: 11/06/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 3540/8082 (GC/ECD)									
Aroclor-1016	ND		ug/kg wet	4970		1	11/06/15	11/11/15 03:47	CMK
Aroclor-1221	ND		ug/kg wet	10200		1	11/06/15	11/11/15 03:47	CMK
Aroclor-1232	ND		ug/kg wet	4970		1	11/06/15	11/11/15 03:47	CMK
Aroclor-1242	ND		ug/kg wet	4970		1	11/06/15	11/11/15 03:47	CMK
Aroclor-1248	ND		ug/kg wet	4970		1	11/06/15	11/11/15 03:47	CMK
Aroclor-1254	ND		ug/kg wet	4970		1	11/06/15	11/11/15 03:47	CMK
Aroclor-1260	ND		ug/kg wet	4970		1	11/06/15	11/11/15 03:47	CMK
Surrogate: Tetrachloro-m-xylene			*50-150*	*94 %*		*11/06/15*		*11/11/15 03:47*	
Surrogate: Decachlorobiphenyl			*50-150*	*98 %*		*11/06/15*		*11/11/15 03:47*	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sam Hamner, Laboratory Manager

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
11/12/15 14:47

9250-PCB4

5110612-04 (Bulk)
Sample Date: 11/06/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 3540/8082 (GC/ECD)									
Aroclor-1016	ND		ug/kg wet	4950		1	11/06/15	11/11/15 04:19	CMK
Aroclor-1221	ND		ug/kg wet	10100		1	11/06/15	11/11/15 04:19	CMK
Aroclor-1232	ND		ug/kg wet	4950		1	11/06/15	11/11/15 04:19	CMK
Aroclor-1242	ND		ug/kg wet	4950		1	11/06/15	11/11/15 04:19	CMK
Aroclor-1248	ND		ug/kg wet	4950		1	11/06/15	11/11/15 04:19	CMK
Aroclor-1254	ND		ug/kg wet	4950		1	11/06/15	11/11/15 04:19	CMK
Aroclor-1260	ND		ug/kg wet	4950		1	11/06/15	11/11/15 04:19	CMK
Surrogate: Tetrachloro-m-xylene			*50-150*	*81 %*		*11/06/15*		*11/11/15 04:19*	
Surrogate: Decachlorobiphenyl			*50-150*	*75 %*		*11/06/15*		*11/11/15 04:19*	

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Sam Hamner, Laboratory Manager

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
11/12/15 14:47

9250-PCB5

5110612-05 (Bulk)
Sample Date: 11/06/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 3540/8082 (GC/ECD)									
Aroclor-1016	ND		ug/kg wet	4820		1	11/06/15	11/11/15 04:51	CMK
Aroclor-1221	ND		ug/kg wet	9880		1	11/06/15	11/11/15 04:51	CMK
Aroclor-1232	ND		ug/kg wet	4820		1	11/06/15	11/11/15 04:51	CMK
Aroclor-1242	ND		ug/kg wet	4820		1	11/06/15	11/11/15 04:51	CMK
Aroclor-1248	ND		ug/kg wet	4820		1	11/06/15	11/11/15 04:51	CMK
Aroclor-1254	ND		ug/kg wet	4820		1	11/06/15	11/11/15 04:51	CMK
Aroclor-1260	ND		ug/kg wet	4820		1	11/06/15	11/11/15 04:51	CMK
Surrogate: Tetrachloro-m-xylene			*50-150*	*85 %*	*11/06/15*		*11/11/15 04:51*		
Surrogate: Decachlorobiphenyl			*50-150*	*88 %*	*11/06/15*		*11/11/15 04:51*		

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Sam Hamner, Laboratory Manager

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Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
11/12/15 14:47

Notes and Definitions

S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sam Hamner, Laboratory Manager

Maryland spectral Services

Analytical Chemistry Services

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com
VELAP ID 460040

08 January 2016

Doug Foerster
EA Engineering
225 Schilling Circle, STE 400
Hunt Valley, MD 21031
RE: DORSEY BUILDING HAZMAT

Enclosed are the results of analyses for samples received by the laboratory on 11/06/15 11:45.

A more detailed report format is available upon request, which lists the accreditation status for all analytical methods performed.

Please visit our website at www.mdspectral.com for a complete listing of our accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sam Hamner
Laboratory Manager

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
01/08/16 11:17

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
9250-PCB1		5110612-01	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB2		5110612-02	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB3		5110612-03	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB4		5110612-04	Bulk	11/06/15 11:00	11/06/15 11:45
9250-PCB5		5110612-05	Bulk	11/06/15 11:00	11/06/15 11:45

Sam Hamner, Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
01/08/16 11:17

9250-PCB2

5110612-02RE1 (Bulk)
Sample Date: 11/06/15

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
POLYCHLORINATED BIPHENYLS BY EPA 3540/8082 (GC/ECD)									
Aroclor-1016	ND		ug/kg wet	4660		1	11/06/15	01/07/16 21:13	CMK
Aroclor-1221	ND		ug/kg wet	9550		1	11/06/15	01/07/16 21:13	CMK
Aroclor-1232	ND		ug/kg wet	4660		1	11/06/15	01/07/16 21:13	CMK
Aroclor-1242	ND		ug/kg wet	4660		1	11/06/15	01/07/16 21:13	CMK
Aroclor-1248	ND		ug/kg wet	4660		1	11/06/15	01/07/16 21:13	CMK
Aroclor-1254	ND		ug/kg wet	4660		1	11/06/15	01/07/16 21:13	CMK
Aroclor-1260	ND		ug/kg wet	4660		1	11/06/15	01/07/16 21:13	CMK
Surrogate: Tetrachloro-m-xylene			*50-150*	*65 %*	*11/06/15*		*01/07/16 21:13*		
Surrogate: Decachlorobiphenyl			*50-150*	*76 %*	*11/06/15*		*01/07/16 21:13*		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sam Hamner, Laboratory Manager

As a NELAP accredited laboratory, MSS can provide a certification list upon request.

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: DORSEY BUILDING HAZMAT

Project Number: 1483542
Project Manager: Doug Foerster

Reported:
01/08/16 11:17

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Sam Hamner, Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.
1500 Caton Center Drive, Suite G
Baltimore, MD 21227
410–247–7600 • Fax 410–247–7602
labman@mdspectral.com

Matrix Codes: NW (non-potable water) PW (potable water)

Company Name:	Project Manager:
EAEST	Doug Foerster
Project Name:	**Project ID:**
Doosey Asbestos	148357
Sampler(s):	**P.O. Number:**
John Adams	

Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	Analysis Requested: 8082	8082	8082	8082	8082	Preservative: 1+1 HCl, H_2SO_4, Methanol, $Na_2S_2O_3$, $NaHCO_3$	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
9230-PCB1	11-6	11AM			X	1	X							5110612-01
2	"	"			X	"	"							-02
3	"	"			X	"	"							-03
4	"	"			X	"	"							-04
5	"	"			X	"	"							-05

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) John Adams	1145AM 11-6-15	(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time	Received by Lab: (Signature)			
(Printed)		(Printed) Cory Kaons			

Turn Around Time:
- ☐ Normal (7 day)
- ☐ 5 day
- ☐ 4 day
- ☒ 3 day
- ☐ Rush (2 day)
- ☐ Next Day
- ☐ Other: _____
- ☐ Specific Due Date: _____

Lab Use:
Temp: 25.4 °C
- ☐ Received on Ice
- ☐ Received same day
- ☐ Preservation Appropriate

Delivery Method:
- ☐ Courier
- ☐ Client
- ☐ UPS
- ☐ FedEx
- ☐ USPS
- ☐ Other: _____

Special Instructions/QC Requirements & Comments:

Sample Disposal:
- ☐ Return to Client
- ☐ Disposal by lab
- ☐ Archive for _____ days

Dedicated to a Cleaner Environment Since 1982

NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead

batta LABORATORIES

BATTA LABORATORIES, INC.

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way
Newark, DE19713-5817
Tel. (302)737-3376 Fax (302) 737-5764

Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA LAB ID #DE004

AIHA LAP, LLC.
LAB# 100448
PCM & Metals

NVLAP
LAB# 101032
PLM & TEM

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/17/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI-1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/5/2015
Sampled By: 1483542
Date Analyzed: 11/16/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848566	9240-01	MAIN DOOR OF SHOP	Caulk	N/A	Soft Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848567	9240-02	BATHROOM PIPE PENETRATION	Drywall	N/A	Fibrous Heterogeneous	Tan White	30% Cellulose 70% Non-fibrous Material	No Asbestos Found
849909	9240-02-LAYER	BATHROOM PIPE PENETRATION	Joint Compound	N/A	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848568	9240-03	BATHROOM ABOVE SINK	Drywall	N/A	Paper-like Homogeneous	Tan	80% Cellulose 20% Non-fibrous Material	No Asbestos Found
848569	9240-04	BACK STORAGE ABOVE DOOR	Ceiling Tile	N/A	Fibrous Heterogeneous	Beige White	20% Mineral Wool 20% Cellulose 60% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: A. YOHN

REVIEWED BY: _____
QA/QC Officer/Signatory

Dedicated to a Cleaner Environment Since 1982

NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead

BATTA LABORATORIES, INC.

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way
Newark, DE19713-5817
Tel. (302)737-3376 Fax (302) 737-5764

Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA LAB ID #DE004

AIHA LAP, LLC.
LAB# 100448
PCM & Metals

NVLAP
LAB# 101032
PLM & TEM

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/17/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI-1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/5/2015
Sampled By: 1483542
Date Analyzed: 11/16/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848570	9240-05	BATHROOM HALL	Mastic	N/A	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848571	9240-06	BATHROOM HALL	Joint Compound	N/A	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848572	9240-07	BACK STORAGE AT DOOR	Floor Tile	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848573	9240-08	BACK STORAGE AT DOOR	Mastic	N/A	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848574	9240-09	WEST SIDE OF BLDG	Caulk	N/A	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: A. YOHN

REVIEWED BY: _____
QA/QC Officer/Signatory

Dedicated to a Cleaner Environment Since 1982

NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead

batta LABORATORIES

BATTA LABORATORIES, INC.

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Delaware Industrial Park, 6 Garfield Way
Newark, DE19713-5817
Tel. (302)737-3376 Fax (302) 737-5764

Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA LAB ID #DE004

AIHA LAP, LLC.
LAB# 100448
PCM & Metals

NVLAP
LAB# 101032
PLM & TEM

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/17/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI-1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/5/2015
Sampled By: 1483542
Date Analyzed: 11/16/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848575	9240-10	SOUTH SIDE OF BLDG	Caulk	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848576	9240-11	NW CORNER OF ROOF	Roofing Material	N/A	Granular Heterogeneous	Black	15% Fiber Glass 85% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: A. YOHN

REVIEWED BY: _____
QA/QC Officer/Signatory

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Web: http://www.battaenv.com

NVLAP # 101032
AIHA/NLLAP # 100448
EPA Lab#: DE004

Customer Billing Information

Tel: 410-584-7000

Customer Name: EA Engineering
Billing Address 1: 225 Schilling Circle
Billing Address 2: Hunt Valley, MD 21031
Send Results To: Doug Foerster Tel: Same
E-mail: dfoerster@eaest.com Fax: 410-771-1625

Shipping Information

- ☐ Picked up by BLI
- ☐ Delivered by Customer
- ☐ Shipped by Customer

Turn Around Time (TAT)

Microscopy	Chemistry
☐ Immediate	☐ 24 Hrs
☐ 24 Hrs	☐ 48 Hrs
☐ 72 Hrs	☐ 72 Hrs
☑ 5 Days	☐ 5-7 Days

Other TAT Request :

Project Name: Howard County Hazmat Inspection
Project Location: 9250 Bendix Rd, Dorsey Building

Lab Project #: 11410705
Client Project #: 1483542.0001

BLI Use Only	Sample ID #	Sample Location/Description	Sample Date/Time	Volume	Sample Area	Sample Type	Analytical Type/Method	Results	Date of Analysis	Analyst
	9240-01	See Attached	11-5-15 4pm			asbestos	PLM Positive Stop			
						Bulk	If trace or <1%,			
							PLM Point count			

Sample Relinquished by: [signature] Date: 11-6-15 Time: 4pm
Sample Received by: [signature] Date: 11/10/15 Time: 1000
Sample Relinquished by: Date: Time:
Sample Received by: Date: Time:

Customer Special Request/Comments (if applicable): Please include sample numbers in report
Please also email results to: bpowell@eaest.com ~~capple@eaest.com~~ and jgabella@eaest.com
jadams@eaest.com

BLI Use Only
Logged in by: [signature] Date of Login: 11/10/15 Time: 1500
Lab Comment:

BLI Use Only
Are samples accepted? If not, please explain below.
☐ Yes ☐ No ☐ Received on Ice
Explanation/Comment:

Method of Payment
☐ Cash Cashier:
☐ Visa/Master Card/Discover
☐ Money Order
☐ Purchase Order#
☐ Check #
Unit Price/Quote:
Total Payment:
Other:

Format of Results Reported: ☐ This COC plus customer COC
☐ This COC, customer COC and BLI certificate
Reported by: Date: Time:
Via: ☐ Fax ☐ Phone ☐ E-mail:
☐ Verbal Person Contacted:

*Samples will be analyzed in the order they are received. BLI assumes no responsibility for the accuracy of results affected by the use of improper sampling techniques or equipment.

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CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/19/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/17/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848578	9250-01	RM 1 UNDER ELECTRICAL PANEL	Mastic	No	Soft Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848579	9250-02	15 FT FROM ELECTRICAL PANEL RM 1	Drywall	No	Soft Homogeneous	White	3% Cellulose 97% Non-fibrous Material	No Asbestos Found
848580	9250-03	NE SIDE OF BAY DOOR RM 1	Joint Compound	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848581	9250-04	SOUTH DOOR RM 1	Caulk	No	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848582	9250-05	SOUTH WALL RM 1 @ ELECTRICAL PENETRATION	Caulk	No	Soft Homogeneous	Red	10% Fiber Glass 90% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

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ANALYST: A. YOHN

REVIEWED BY: _____
QA/QC Officer/Signatory

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Report Date: 11/19/2015

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Date Analyzed: 11/17/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848583	9250-06	CENTER OF RM 2 ON METAL PIPE THREADS	Caulking/sealant	No	Firm Homogeneous	Beige	8% Wollastonite 92% Non-fibrous Material	No Asbestos Found
848584	9250-07	RM 3 @ DOOR OF RM 4	Floor Tile	No	Firm Homogeneous	Beige	97% Non-fibrous Material	3% Chrysotile
848585	9250-08	RM 3 @ DOOR OF RM 4	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848586	9250-09	RM 3 N WALL AT RM 5	Mastic	No	Firm Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848587	9250-10	RM 9 ENTRY	Floor Tile	No	Firm Homogeneous	Tan	97% Non-fibrous Material	3% Chrysotile

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Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848588	9250-11	RM 9 ENTRY	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848589	9250-12	2ND RM 9	Floor Tile	No	Firm Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
848590	9250-13	2ND RM 9	Mastic	No	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848591	9250-14	RM 11 ABOVE ELECTRICAL BOX	Ceiling Tile	Yes	Fibrous Heterogeneous	Beige White	20% Mineral Wool 25% Cellulose 55% Non-fibrous Material	No Asbestos Found
848592	9250-15	RM 11 UNDER SINK	Sink Insulation	No	Firm Homogeneous	Beige	15% Cellulose 85% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

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Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848593	9250-16	RM 11 BEHIND SINK	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848594	9250-17	AT DOOR RM 13	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848595	9250-18	AT DOOR RM 13	Mastic	No	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848596	9250-19	RM 11 AT DOOR TO RM 12	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848597	9250-20	RM 12.2 SECND FLOOR ON DUCT	Mastic	No	Soft Homogeneous	White	5% Synthetic Fiber 95% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

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Sampled By: 1483542
Date Analyzed: 11/17/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848598	9250-21	RM 15 AT DOOR	Ceiling Tile	Yes	Fibrous Heterogeneous	Tan White	50% Mineral Wool 15% Cellulose 35% Non-fibrous Material	No Asbestos Found
848599	9250-21B	RM 239 OUTSIDE OF RM 271	Ceiling Tile	Yes	Fibrous Heterogeneous	Tan White	50% Mineral Wool 15% Cellulose 35% Non-fibrous Material	No Asbestos Found
848600	9250-22	RM 15 AT DOOR	Ceiling Tile	N/A	Fibrous Heterogeneous	Tan White	25% Mineral Wool 30% Cellulose 45% Non-fibrous Material	No Asbestos Found
848601	9250-23	RM 15 AT RM 17	Floor Tile	N/A	Firm Homogeneous	Red	100% Non-fibrous Material	No Asbestos Found
848603	9250-25	RM 14 SOUTH CORNER	Floor Tile	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/19/2015

Sampling Data

Date Sampled: 11/6/2015
BLI Project #: L446705
Sampled By: 1483542
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.
Date Analyzed: 11/17/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848604	9250-26	RM 14 SOUTH CORNER	Mastic	N/A	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
850226	9250-26-LAYER	RM 14 SOUTH CORNER	Mastic	N/A	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848605	9250-27	RM 14 SOUTH THRESHOLD	Floor Tile	N/A	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848607	9250-29	SOUTH THRESHOLD	Floor Tile	No	Firm Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848608	9250-30	SOUTH THRESHOLD	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848609	9250-31	RM 16 UTILITY SINK	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848610	9250-32	RM 6 CENTER	Ceiling Tile	Yes	Fibrous Heterogeneous	Tan White	25% Mineral Wool 35% Cellulose 40% Non-fibrous Material	No Asbestos Found
848611	9250-33	SOUTH END RM 8	Caulk	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848612	9250-34A	ABOVE RM 6	Joint/elbow	Yes	Fibrous Heterogeneous	Beige	15% Mineral Wool 20% Cellulose 64.25% Non-fibrous Material	0.75% Chrysotile
848613	9250-34B	RM 93 SE CORNER	Joint/elbow	Yes	Fibrous Homogeneous	Beige	25% Mineral Wool 74.0% Non-fibrous Material	1.0% Chrysotile

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Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848614	9250-35	ROOM 24 ENTRY	Floor Tile	No	Firm Homogeneous	Tan	92% Non-fibrous Material	8% Chrysotile
848615	9250-36	RM 24 ENTRY	Mastic	No	Soft Homogeneous	Black	92% Non-fibrous Material	8% Chrysotile
850227	9250-36-LAYER	RM 24 ENTRY	Mastic	N/A	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848616	9250-37	RM 24 ENTRY	Mastic	No	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848617	9250-38	RM 21 ENTRY AT STORAGE	Floor Tile	No	Firm Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found

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REVIEWED BY: _____
QA/QC Officer/Signatory

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EPA LAB ID #DE004

AIHA LAP, LLC.
LAB# 100448
PCM & Metals

NVLAP
LAB# 101032
PLM & TEM

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/19/2015

Sampling Data

Date Sampled: 11/6/2015
BLI Project #: L446705
Sampled By: 1483542
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.
Date Analyzed: 11/17/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848618	9250-39	RM 21 ENTRY AT STORAGE	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848619	9250-40	RM 27 EAST WALL	Floor Tile	No	Firm Homogeneous	Beige	92% Non-fibrous Material	8% Chrysotile
848620	9250-41	RM 27 EAST WALL	Mastic	No	Soft Homogeneous	Black	90% Non-fibrous Material	10% Chrysotile
848621	9250-42	RM 36 AT ENTRY	Mastic	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848622	9250-43	RM 36 AT ENTRY	Linoleum	No	Firm Heterogeneous	White	5% Fiber Glass 10% Cellulose 85% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

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848623	9250-44	RM 43 ABOVE DOOR	Ceiling Tile	Yes	Fibrous Heterogeneous	White	15% Mineral Wool 30% Cellulose 55% Non-fibrous Material	No Asbestos Found
848624	9250-45	RM 44 CENTER OF ROOM	Ceiling Tile	Yes	Fibrous Heterogeneous	Various	50% Mineral Wool 10% Cellulose 40% Non-fibrous Material	No Asbestos Found
848625	9250-46	RM 54 BEHIND DOOR OF CLOSET	Grout	N/A	Firm Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848626	9250-47	RM 54 CLOSET	Grout	N/A	Granular Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848627	9250-48	ROOM 54 AT ENTRY	Mastic	N/A	Firm Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848628	9250-49	RM 56 CORNER OF SITTING AREA	Floor Tile	No	Firm Homogeneous	White	92% Non-fibrous Material	8% Chrysotile
848629	9250-50	RM 56 CORNER OF SITTING AREA	Mastic	No	Soft Homogeneous	Black	92% Non-fibrous Material	8% Chrysotile
848630	9250-51	RM 56 FURTHEST STALL	Grout	No	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848631	9250-52	RM 56 ABOVE FIRST SINK	Grout	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848632	9250-53	FIRST DOOR FROM WEST SIDE	Floor Tile	No	Firm Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848633	9250-54	FIRST DOOR FROM WEST SIDE	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
850498	9250-54-LAYER	FIRST DOOR FROM WEST SIDE	Mastic	N/A	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848634	9250-55	BETWEEN RM 60 AND 62	Floor Tile	No	Firm Homogeneous	Beige	98% Non-fibrous Material	2% Chrysotile
848635	9250-56	BETWEEN RM 60 AND 62	Mastic	No	Soft Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
848636	9250-57	RM 73 ABOVE DOORWAY	Ceiling Tile	Yes	Fibrous Heterogeneous	Beige White	25% Mineral Wool 30% Cellulose 45% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848637	9250-58	RM 67 BY DOOR	Drywall	N/A	Fibrous Heterogeneous	Tan White	40% Cellulose 60% Non-fibrous Material	No Asbestos Found
848638	9250-59	RM 74 CORNER OF MED STORAGE	Drywall	N/A	Firm Homogeneous	White	5% Fiber Glass 95% Non-fibrous Material	No Asbestos Found
848639	9250-60	RM 74 NORTH SIDE	Floor Tile	N/A	Firm Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848640	9250-61	RM 74 NORTH SIDE	Mastic	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848641	9250-62	SOUTH SIDE OF ROOM 74	Ceiling Tile	Yes	Fibrous Homogeneous	Tan	30% Mineral Wool 40% Cellulose 30% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848642	9250-63	STAIR TO PENTHOUSE RM 78	Mastic	No	Firm Homogeneous	Brown	100% Non-fibrous Material	No Asbestos Found
848643	9250-64	RM 78 CENTER OF ROOM	Ceiling Tile	Yes	Fibrous Heterogeneous	Beige White	35% Mineral Wool 25% Cellulose 40% Non-fibrous Material	No Asbestos Found
848644	9250-65A	NW CORNER OF ROOF	Stucco Top Layer	No	Granular Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
850499	9250-65A-LAYER	NW CORNER OF ROOF	Stucco Bottom Layer	N/A	Granular Heterogeneous	Gray	15% Fiber Glass 85% Non-fibrous Material	No Asbestos Found
848645	9250-65B	SW CORNER OF ROOF	Stucco Top Layer	No	Granular Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found

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850500	9250-65B-LAYER	SW CORNER OF ROOF	Stucco Bottom Layer	N/A	Granular Heterogeneous	Gray	15% Fiber Glass 85% Non-fibrous Material	No Asbestos Found
848646	9250-65C	SE CORNER OF ROOF	Stucco Top Layer	No	Granular Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
850501	9250-65C-LAYER	SE CORNER OF ROOF	Stucco Bottom Layer	N/A	Granular Heterogeneous	Gray	15% Fiber Glass 85% Non-fibrous Material	No Asbestos Found
848647	9250-66	NORTH WALL EXTERIOR PENTHOUSE	Caulk	No	Soft Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
848648	9250-67	EAST WINDOW EXT PENTHOUSE	Caulk	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848649	9250-68	ROOF DIVIDER EAST SIDE OF PENHOUSE ON ROOF	Caulk	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848650	9250-69	EAST SIDE EDGE OF ROOF	Roofing Material	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848651	9250-70	SE CORNER OF SKYLIGHT ON ROOF	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848652	9250-71	RM 5 AT WORK BENCH	Floor Tile	No	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848653	9250-72	SAME AS 71	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

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848654	9250-73	RM 83 BY NW DOOR	Floor Tile	No	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848655	9250-74	RM 83 BY NW DOOR	Mastic	No	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848656	9250-75	RM 81 SW CORNER	Floor Tile	No	Firm Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848657	9250-76	RM 81 SW CORNER	Mastic	No	Soft Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
848658	9250-77	RM 89 @ OLD VENT	Caulk	N/A	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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EPA LAB ID #DE004

AIHA LAP, LLC.
LAB# 100448
PCM & Metals

NVLAP
LAB# 101032
PLM & TEM

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/19/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/18/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848659	9250-78	RM 90 NE CORNER	Canvas Wrap	N/A	Fibrous Heterogeneous	Beige	50% Cellulose 50% Non-fibrous Material	No Asbestos Found
848660	9250-79A	FRONT PIPE RM 90 NE CORNER	Elbow	Yes	Fibrous Homogeneous	Beige	23% Mineral Wool 75% Non-fibrous Material	2% Chrysotile
848663	9250-80	RM 93 SE CORNER	Canvas	No	Fibrous Homogeneous	Beige	95% Cellulose 5% Non-fibrous Material	No Asbestos Found
848664	9250-81	RM 94 SE CORNER	Floor Tile	No	Firm Homogeneous	Beige	95% Non-fibrous Material	5% Chrysotile
848665	9250-82	RM 94 SE CORNER	Floor Tile	No	Firm Homogeneous	Brown	95% Non-fibrous Material	5% Chrysotile

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848666	9250-83	RM 94 SE CORNER	Mastic	No	Soft Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
848667	9250-84	RM 96 SE CORNER	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848668	9250-85	RM 96 SE CORNER	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848669	9250-86	RM 97 CENTER OF ROOM UNDER FLOOR	Mastic	No	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848670	9250-87	RM 97 SE RAMP	Floor Tile	No	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
850502	9250-87-LAYER	RM 97 SE RAMP	Mastic	No	Soft Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
848671	9250-88	SW CORNER OF ROOM 102	Floor Tile	No	Firm Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found
848672	9250-89	SW CORNER OF ROOM 102	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848673	9250-90	SE CORNER ROOM 106	Floor Tile	No	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
848674	9250-91	SE CORNER ROOM 106	Mastic	No	Soft Layered	Black Yellow	98% Non-fibrous Material	2% Chrysotile

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848675	9250-92	RM 110 AT THRESHOLD	Floor Tile	No	Firm Homogeneous	Red	100% Non-fibrous Material	No Asbestos Found
848676	9250-93	RM 110 AT THRESHOLD	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848677	9250-94	RM 110 AT THRESHOLD	Mastic	No	Soft Layered	Yellow Brown	100% Non-fibrous Material	< 1% Chrysotile
848678	9250-95	RM 119 - RM 120	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848679	9250-96	RM 119 - RM 120	Floor Tile	No	Firm Homogeneous	Beige	97% Non-fibrous Material	3% Chrysotile

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848680	9250-97	RM 119 - RM 120	Floor Tile	N/A	Firm Homogeneous	Brown	97% Non-fibrous Material	3% Chrysotile
848681	9250-98	RM 119 - RM 120	Mastic	N/A	Soft Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
848682	9250-99	RM 132 CENTER	Mastic	N/A	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848683	9250-100	RM 132 COUNTER	Floor Tile	No	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
848684	9250-101	RM 132 COUNTER	Mastic	No	Soft Homogeneous	Black	3% Polypropylene 97% Non-fibrous Material	No Asbestos Found

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848685	9250-102	RM 146 SE CORNER	Ceiling Tile	Yes	Fibrous Heterogeneous	White	20% Mineral Wool 30% Cellulose 50% Non-fibrous Material	No Asbestos Found
848686	9250-103	RM 180 CENTE ABOVE FILING CABINET	Ceiling Tile	Yes	Fibrous Heterogeneous	White	20% Mineral Wool 30% Cellulose 50% Non-fibrous Material	No Asbestos Found
848687	9250-104	RM 197 SW CORNER	Floor Tile	No	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848688	9250-105	RM 197 SW CORNER	Mastic	No	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848689	9250-106	RM 198 CENTER	Floor Tile	No	Firm Homogeneous	Beige	100% Non-fibrous Material	No Asbestos Found

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848690	9250-107	RM 198 CENTER	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848691	9250-108	RM 198 CENTER	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848692	9250-109	RM 198 CENTER	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
850514	9250-109-LAYER	RM 198 CENTER	Mastic	No	Soft Homogeneous	Black	3% Polypropylene 97% Non-fibrous Material	No Asbestos Found
848693	9250-110	ENTRY TO ROOM 198	Mastic	N/A	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found

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848694	9250-111	RM 205 SE CORNER	Floor Tile	N/A	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848695	9250-112	RM 205 SE CORNER	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848696	9250-113	RM 241 BLDG DOOR	Caulk	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848697	9250-114	RM 241 AT S WALL	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848698	9250-115	RM 241 @ DOOR	Mastic	No	Firm Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

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848699	9250-116	RM 242 NE CORNER	Mastic	No	Soft Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
848700	9250-117	RM 255 ABOVE 260	Ceiling Tile	No	Fibrous Heterogeneous	Gray White	85% Mineral Wool 15% Non-fibrous Material	No Asbestos Found
848701	9250-118	RM 255 ABOVE 260	Ceiling Tile	Yes	Fibrous Heterogeneous	Tan White	5% Fiber Glass 15% Cellulose 80% Non-fibrous Material	No Asbestos Found
848702	9250-119	OUTSIDE OF DOOR TO RM 257	Grout	No	Granular Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848703	9250-120	OUTSIDE OF DOOR TO RM 257	Grout	No	Granular Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848704	9250-121	RM 255 AT BASE OF FRIDGE	Floor Tile	N/A	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848705	9250-122	RM 256 AT DOOR	Floor Tile	N/A	Firm Homogeneous	White	98% Non-fibrous Material	2% Chrysotile
848706	9250-123	RM 256 AT DOOR	Mastic	N/A	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848707	9250-124	RM 260 @ SINK	Caulk	No	Soft Homogeneous	Clear	100% Non-fibrous Material	No Asbestos Found
848708	9250-125	RM 201 ABOVE WATER HEATER	Caulk	No	Soft Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: A. YOHN

REVIEWED BY: _____
QA/QC Officer/Signatory

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EPA LAB ID #DE004

AIHA LAP, LLC.
LAB# 100448
PCM & Metals

NVLAP
LAB# 101032
PLM & TEM

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/19/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/18/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848709	9250-126	RM 254 BY DOOR TO 264	Floor Tile	N/A	Firm Homogeneous	Green	100% Non-fibrous Material	No Asbestos Found
848710	9250-127	RM 254 BY DOOR TO 264	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848711	9250-128	RM 272 NE CORNER	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848712	9250-129	RM 272 NE CORNER	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848713	9250-130	RM 273 SINK	Sink Insulation	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: A. YOHN

REVIEWED BY: _____
QA/QC Officer/Signatory

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BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/18/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848714	9250-131	RM 354 BEHIND DOOR	Floor Tile	No	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
848715	9250-132	RM 354 BEHIND DOOR	Mastic	N/A	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848716	9250-133	RM 355 @ SINK	Floor Tile	No	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
848717	9250-134	RM 355 @ SINK	Mastic	No	Soft Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848718	9250-135	RM 382 BY PROJECTOR	Ceiling Tile	Yes	Fibrous Heterogeneous	Tan White	50% Mineral Wool 20% Cellulose 30% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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Report Date: 11/19/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/18/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848719	9250-136	RM 302 BY SAMPLE 135	Ceiling Tile	Yes	Fibrous Homogeneous	White	85% Mineral Wool 15% Non-fibrous Material	No Asbestos Found
848720	9250-139	RM 414 UNDER STAIRS	Floor Tile	No	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848721	9250-140	RM 414 UNDER STAIRS	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found
848722	9250-141	RM 414 UNDER STAIRS	Floor Tile	No	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
850515	9250-141-LAYER	RM 414 UNDER STAIRS	Mastic	No	Soft Homogeneous	Yellow	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

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Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/18/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848723	9250-142	RM 20 EAST WALL	Mastic	No	Firm Homogeneous	Black	95% Non-fibrous Material	5% Chrysotile
848724	9250-143	RM 20 SW CORNER	Caulk	No	Soft Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
848725	9250-144	RM 419 AT 420	Floor Tile	No	Firm Homogeneous	Green	95% Non-fibrous Material	5% Chrysotile
848726	9250-145	RM 419 AT 420	Mastic	No	Firm Homogeneous	Black	97% Non-fibrous Material	3% Chrysotile
848727	9250-146	RM 424 REAR WALL	Floor Tile	N/A	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

REVIEWED BY: _____
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Dept. Code: PLM

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Rev. #: 0
Batch#: N/A
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Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/19/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/18/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848728	9250-147	RM 424 REAR WALL	Mastic	N/A	Firm Homogeneous	Gold	100% Non-fibrous Material	No Asbestos Found
848729	9250-148	SE CORNER OF BLDG	Caulk	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found
848730	9250-149	SE SIDE OF BLDG	Shingle	N/A	Firm Homogeneous	Black	15% Fiber Glass 85% Non-fibrous Material	No Asbestos Found
848731	9250-150	SOUTH SIDE EXT BY LOADING DOCK	Tar	N/A	Firm Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
848732	9250-151	SOUTH SIDE AT FIRST WINDOW	Caulk	N/A	Firm Homogeneous	Gray	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

REVIEWED BY: _____
QA/QC Officer/Signatory

*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, Inc. assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

* Due to the general heterogeneity of asbestos containing materials (ACM), EPA and OSHA have recommended submission of at least three samples of each type of materials for PLM analysis. Submission of fewer samples may compromise the accuracy of ACM determination.

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LAB# 101032
PLM & TEM

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 11/19/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI- 1483542.0001 HOWARD COUNTY HAZMAT INSP.

Date Sampled: 11/6/2015
Sampled By: 1483542
Date Analyzed: 11/18/2015

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
848733	9250-152	NORTH SIDE ENTRANCE WALK	Ejm	N/A	Firm Homogeneous	Tan	100% Non-fibrous Material	No Asbestos Found
848734	9250-153	EXTERIOR INCUBATOR DOOR	Caulk	N/A	Firm Homogeneous	White	100% Non-fibrous Material	No Asbestos Found

Note 1 *Organically-bound, nonfriable material may interfere with the accurate quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY 198.6/198.4 over the Chatfield method.*

Note 2 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 3 Otherwise specified, Tr=Trace or < 0.1% based on visual estimate.

ANALYST: S. REYNOLDS

REVIEWED BY: _____
QA/QC Officer/Signatory

CHAIN OF CUSTODY

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NVLAP # 101032
AIHA/NLLAP # 100448
EPA Lab#: DE004

Customer Billing Information

Tel: 410-584-7000

Customer Name: EA Engineering
Billing Address 1: 225 Schilling Circle
Billing Address 2: Hunt Valley, MD 21031
Send Results To: Doug Foerster Tel: Same
E-mail: dfoerster@eaest.com Fax: 410-771-1625

Shipping Information

- ☐ Picked up by BLI
- ☐ Delivered by Customer
- ☐ Shipped by Customer

Turn Around Time (TAT)

Microscopy	Chemistry
☐ Immediate	☐ 24 Hrs
☐ 24 Hrs	☐ 48 Hrs
☐ 72 Hrs	☐ 72 Hrs
☑ 5 Days	☐ 5-7 Days

Other TAT Request :

Lab Project #: L4410705
Client Project #: 1483542.0001

Project Name: Howard County Hazmat Inspection
Project Location: 9250 Bendix Rd, Dorsey Building

BLI Use Only	Sample ID #	Sample Location/Description	Sample Date/Time	Volume	Sample Area	Sample Type	Analytical Type/Method	Results	Date of Analysis	Analyst
	9250-01	See Attached	11/6/15 3pm			asbestos	PLM Positive Stop			
						Bulk	If trace or <1%,			
							PLM Point count			

Sample Relinquished by: [signature] Date: 11-6-15 Time: 4pm
Sample Received by: CM Date: 11/10/15 Time: 1000
Sample Relinquished by: Date: Time:
Sample Received by: Date: Time:

Customer Special Request/Comments (if applicable): Please include sample numbers in report
Please also email results to: bpowell@eaest.com ~~capple@eaest.com~~ and jgabella@eaest.com
Jadams@eaest.com

BLI Use Only
Logged in by: CM Date of Login: 11/10/15 Time: 1400
Lab Comment:

BLI Use Only
Are samples accepted? If not, please explain below.
☐ Yes ☐ No ☐ Received on Ice
Explanation/Comment:

Method of Payment
☐ Cash Cashier:
☐ Visa/Master Card/Discover
☐ Money Order
☐ Purchase Order#
☐ Check #
Unit Price/Quote:
Total Payment:
Other:

Format of Results Reported: ☐ This COC plus customer COC
☐ This COC, customer COC and BLI certificate
Reported by: Date: Time:
Via: ☐ Fax ☐ Phone ☐ E-mail:
☐ Verbal Person Contacted:

*Samples will be analyzed in the order they are received. BLI assumes no responsibility for the accuracy of results affected by the use of improper sampling techniques or equipment.

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Lab# 101032 for
PLM & TEM

CERTIFICATE OF PLM ANALYSIS

Rev# 0 EPA/600/R-93/116: Matrix Reduction with 400 Point Counts **Report Date:** 11/19/2015

Sampling Data

BLI Project #: L446705
Project Name: EA ENGINEERING-WI-HOWARD COUNTY HAZMAT
Project Location:
Date Sampled:
Sampled By: CLIENT
Date Analyzed: 11/19/2015

Analytical Data

Sample ID		Sample Description			Gravimetric Data		Analytical Results*		
							Non-Asbestos Content		
Lab Sample #	Client Sample #	Sample Location	Material Type	Sample Color	Ashed Residue	Insoluble Residue	Other Content*	Inorganic Fibrous Content*	Asbestos Content
850526	9250-94	SAME AS 92	MASTIC	YELLOW/ BROWN	48.26%	32.97%	99.92%	N/A	0.08% CHRY
				Further TEM Testing Recommended*					Total: 0.08%

ANALYST: A. Yohn **REVIEWED BY:** _____

*Keys: AMO=Amosite, CHRY=Chrysotile, TREM=Tremolite, ACT=Actinolite, ANTH=Anthophyllite, CROC=Crocidolite, GF = Glass Fiber, WOLL = Wollastonite, CAL = Calcite, GYP = Gypsum, QTZ = Quartz, CF = Ceramic Fiber. Otherwise specified in the report, contents of non-asbestos inorganic fibers are not given.

*Results reported are based on final residue via matrix reduction. Otherwise specified, 400-point count method was used for asbestos fibers and visual for other fibers.

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

*This report does not constitute endorsement by NVLAP and/or any other U.S. government agencies. The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment. Due to the general inhomogeneity of asbestos-containing materials (ACM), EPA and OSHA have recommended submission of at least three samples of each type of materials for PLM bulk analysis. Submission of fewer samples may compromise the accuracy of ACM determination.

TABLE 3-1

SUSPECT ACM HOMOGENEOUS AREA SUMMARY

Table 3-1
Suspect ACM Homogeneous Area (HA) Summary
9250 Bendix Road
Columbia, Maryland

HA Number	Sample number (sample location)	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
Main Office Building							
001	9250-01 (Rm 1, under electrical panel)	Covebase mastic with 4" baseboard - beige	N/A	NAD	N/A	No	Good
002	9250-02 (Rm 1, 15' from electrical panel)	Drywall - white	N/A	NAD	N/A	Yes	Good
003	9250-03 (Rm 1, NE side of bay door)	Joint compound - white	N/A	NAD	N/A	No	Good
004	9250-04 (Rm 1, south door)	Door caulk with metal door frame - gray	N/A	NAD	N/A	No	Good
005	9250-05 (Rm 1, south wall at penetration)	Firestop caulk, red	N/A	NAD	N/A	No	Good
006	9250-06 (Rm 2, center of room)	Pipe thread sealant - gray	N/A	NAD	N/A	No	Good
007	**9250-07 (Rm 3, at door of Rm 4)**	**12" x 12" Floor tile - beige with tan streaks**	**Room 3, Room 4, Room 5, Room 17, Room 54, Room 58, Room 77, Room 78, Room 79, Room 80, Room 81, Room 106, Room 118, Room 326, Room 344, Room 378, Room 380, Room 383, Room 391, Room 398, Room 412, Room 393, Room 394, Room 395, Room 396, Room 397, Room 399, Room 400, Room 401, Room 402, Room 403, Room 404, Room 405, Room 406**	**3% Chrysotile**	**7,358 SF**	**No**	**Fair**
008	9250-08 (Rm 3, at door of Rm 4)	Mastic with 007 - gold/black	N/A	NAD	N/A	No	Good
009	9250-09 (Rm 3, north wall at Rm 5)	Mastic associated with particle board walls - gold	N/A	NAD	N/A	No	Good
010	**9250-10 (Rm 9, entry)**	**12" x 12" Floor tile - light brown with white and dark brown flakes**	**Room 6, Room 7, Room 8, Room 9, Room 57, Room 58, Room 64, Room 69, Room 70, Room 71, Room 82, Room 84, Room 239, Room 327, Room 328, Room 331, Room 344, Room 350, Room 383, Room 391, Room 398, Room 393, Room 394, Room 395, Room 396, Room 397, Room 399, Room 400, Room 401, Room 402, Room 403, Room 404, Room 405, Room 406**	**3% Chrysotile**	**12,357 SF**	**No**	**Good**
011	9250-11 (Rm 9, entry)	Mastic with 010 - black	N/A	NAD	N/A	No	Good
012	9250-12 (Rm 9, at second bollard from bay door)	12" x 12" Floor tile - light brown mottle with brown wide flakes	N/A	NAD	N/A	No	Good
013	9250-13 (Rm 9, at second bollard from bay door)	Mastic with 012 - gold	N/A	NAD	N/A	No	Good
014	9250-14 (Rm 11, above electrical box)	2' x 4' ceiling tile with pinholes and pock marks - gray	N/A	NAD	N/A	Yes	Good
015	9250-15 (Rm 11, under sink)	Sink insulation with metal sink - Beige/gray	N/A	NAD	N/A	No	Good
016	9250-16 (Rm 11, behind sink)	Caulk associated with countertop - white	N/A	NAD	N/A	No	Good
017	9250-17 (Rm 11, at door to room 13)	12" x 12" Floor tile - white with blue, black, and gray flakes	N/A	NAD	N/A	No	Good
018	9250-18 (Rm 11, at door to room 13)	Mastic with 017 - gold	N/A	NAD	N/A	No	Good
019	9250-19 (Rm 11, at door to room 12)	Covebase mastic with 4" baseboard - gold	N/A	NAD	N/A	No	Good
020	9250-20 (Rm 12.2, on duct)	Duct mastic on bare metal duct - white	N/A	NAD	N/A	No	Good
021	9250-21 (Rm 15, at door)	2' x 4' ceiling tile, wormy track with large pinholes - gray	N/A	NAD	N/A	Yes	Good
	9250-21B (Rm 239, outside of Rm 271)			NAD			

Table 3-1
Suspect ACM Homogeneous Area (HA) Summary
9250 Bendix Road
Columbia, Maryland

HA Number	Sample number (sample location)	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
022	9250-22 (Rm 15, at door)	2' x 4' ceiling tile, pinholes and fissures - gray	N/A	NAD	N/A	Yes	Good
023	9250-23 (Rm 16, at Rm 17)	12" x 12" Floor tile - red mottle	N/A	NAD	N/A	No	Good
024	9250-24 (Rm 16, at Rm 17)	Mastic with 023 - gray	N/A	NAD	N/A	No	Good
025	9250-25 (Rm 14, south corner)	12" x 12" Floor tile - beige with gray mottle	N/A	NAD	N/A	No	Good
026	9250-26 (Rm 14, south corner)	Mastic with 025 - gold/black	N/A	NAD	N/A	No	Good
027	9250-27 (Rm 14, south threshold)	12" x 12" Floor tile - light gray with black specks	N/A	NAD	N/A	No	Good
028	9250-28 (Rm 14, south threshold)	Mastic with 027 - gray	N/A	NAD	N/A	No	Good
029	9250-29 (Rm 14, south threshold)	12" x 12" Floor tile - gray with black specks	N/A	NAD	N/A	No	Good
030	9250-30 (Rm 14, south threshold)	Mastic with 029 - black	N/A	NAD	N/A	No	Good
031	9250-31 (Rm 16, utility sink)	Caulk associated with bathroom fixtures - white	N/A	NAD	N/A	No	Good
032	9250-32 (Rm 6, center of room)	2' x 4' ceiling tile, pinhole and divots - gray	N/A	NAD	N/A	Yes	Good
033	9250-33 (Rm 8, south window)	Interior window caulk - gray	N/A	NAD	N/A	No	Good
034	**9250-34A (Above Rm 6)** **9250-34B (Rm 93, SE corner of room)**	**6"-8" OD mudded elbow of roof drain - gray**	**Room 93, Room 6**	**0.75 % Chrysotile** **1% Chrysotile**	**6 EA**	**Yes**	**Good**
035	**9250-35 (Rm 24, at entry)**	**Floor tile under plywood - beige**	**Room 22, Room 23, Room 24, Room 25, Room 26, Room 43**	**8% Chrysotile**	**1,615 SF**	**No**	**Good**
036	**9250-36 (Rm 24, at entry)**	**Mastic with 035 - gold** **Layered mastic - black**	**Room 22, Room 23, Room 24, Room 25, Room 26, Room 43**	**NAD** **8% Chrysotile**	**1,615 SF**	**No**	**Good**
037	9250-37 (Rm 24, at entry)	Carpet mastic under plywood - yellow	N/A	NAD	N/A	No	Good
038	9250-38 (Rm 21, at entry to storage)	12" x 12" Floor tile - beige with red, green, and blue flakes	N/A	NAD	N/A	No	Good
039	9250-39 (Rm 21, at entry to storage)	Mastic with 038 - brown	N/A	NAD	N/A	No	Good
040	**9250-40 (Rm 27, east wall)**	**9" x 9" Floor tile under carpet - beige with black curved lines**	**Room 49, Room 50, Room 51, Room 27, Room 387, Room 390**	**8% Chrysotile**	**1611 SF**	**No**	**Good**
041	**9250-41 (Rm 27, east wall)**	**Mastic with 040 - black**	**Room 49, Room 50, Room 51, Room 27, Room 387, Room 390**	**10% Chrysotile**	**1611 SF**	**No**	**Good**
042	9250-42 (Rm 36, at entry)	Plastic threshold mastic - white	N/A	NAD	N/A	No	Good
043	9250-43 (Rm 36, at entry)	Linoleum flooring - white with gray and blue speckles	N/A	NAD	N/A	No	Good
044	9250-44 (Rm 43, above door)	2' x 2' ceiling tile, pinholes and divots - gray	N/A	NAD	N/A	Yes	Good
045	9250-45 (Rm 44, center of room)	2' x 2' ceiling tile, rough texture - gray	N/A	NAD	N/A	Yes	Good
046	9250-46 (Rm 54, behind door of closet)	Grout associated with 4" ceramic wall tiles - off white	N/A	NAD	N/A	No	Good
047	9250-47 (Rm 54, in front of closet slop sink)	Grout associated with 1" ceramic floor tiles - gray	N/A	NAD	N/A	No	Good
048	9250-48 (Rm 54, at entry)	Mastic with 4" covebase - brown	N/A	NAD	N/A	No	Good
049	**9250-49 (Rm 56, corner of sitting area)**	**12" x 12" Floor tile - off white with black dots that make up streaks**	**Room 56, Room 329**	**8% Chrysotile**	**225 SF**	**No**	**Good**
050	**9250-50 (Rm 56, corner of sitting area)**	**Mastic with 049 - black**	**Room 56, Room 329**	**8% Chrysotile**	**225 SF**	**No**	**Good**

Table 3-1
Suspect ACM Homogeneous Area (HA) Summary
9250 Bendix Road
Columbia, Maryland

HA Number	Sample number (sample location)	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
051	9250-51 (Rm 56, furthest stall)	Grout associated with multi-size ceramic tile floor - gray	N/A	NAD	N/A	No	Good
052	9250-52 (Rm 56, above first sink)	Grout associated with 4" ceramic wall tiles - white	N/A	NAD	N/A	No	Good
053	9250-53 (Rm 58, first door from west side)	12" x 12" Floor tile - brown with black and tan mottle	N/A	NAD	N/A	No	Good
054	9250-54 (Rm 58, first door from west side)	Mastic with 053 - gold	N/A	NAD	N/A	No	Good
055	**9250-55 (Between Rm 60 and Rm 62)**	**12" x 12" Floor tile - beige with blue-gray and beige streaks**	**Room 59, Room 60, Room 61, Room 62, Room 63, Room 72, Room 85, Room 86, Room 87, Room 97, Room 98, Room 99, Room 100, Room 101, Room 102, Room 103, Room 104, Room 105, Room 107, Room 412, Room 416, Room 427, Room 428**	**2% Chrysotile**	**18,456 SF**	**No**	**Fair**
056	**9250-56 (Between Rm 60 and Rm 62)**	**Mastic with 055 - black**	**Room 59, Room 60, Room 61, Room 62, Room 63, Room 72, Room 85, Room 86, Room 87, Room 97, Room 98, Room 99, Room 100, Room 101, Room 102, Room 103, Room 104, Room 105, Room 107, Room 412, Room 416, Room 427, Room 428**	**5% Chrysotile**	**18,456 SF**	**No**	**Good**
057	9250-57 (Rm 73, above doorway)	2' x 4' ceiling tile, pinholes and divots - gray	N/A	NAD	N/A	Yes	Good
058	9250-58 (Rm 67, near door)	Drywall partition walls - white	N/A	NAD	N/A	Yes	Good
059	9250-59 (Rm 74, corner of medical storage)	Drywall with foil (fireproofing) - white	N/A	NAD	N/A	Yes	Good
060	9250-60 (Rm 74, north side)	12" x 12" Floor tile - tan with beige, gray, and white streaks	N/A	NAD	N/A	No	Good
061	9250-61 (Rm 74, north side)	Mastic with 060 - black and brown	N/A	NAD	N/A	No	Good
062	9250-62 (Rm 74, south side)	2' x 4' ceiling tile, bird pattern with pinholes - gray	N/A	NAD	N/A	Yes	Good
063	9250-63 (Rm 78, stair to penthouse)	Stair tread mastic - brown	N/A	NAD	N/A	No	Good
064	9250-64 (Rm 78, center of room)	2' x 2' ceiling tile, pinholes and long divots - gray	N/A	NAD	N/A	Yes	Good
065	9250-65A (Roof, NW corner of penthouse)	Stucco material on exterior walls - tan	N/A	NAD	N/A	No	Good
	9250-65B (Roof, SW corner of penthouse)			NAD			
	9250-65C (Roof, SE corner of penthouse)			NAD			
066	9250-66 (Roof, north wall of penthouse)	Building caulk associated with stucco - tan	N/A	NAD	N/A	No	Good
067	9250-67 (Roof, east window of penthouse)	Caulk associated with exterior windows - black	N/A	NAD	N/A	No	Good
068	9250-68 (Roof, east side of penthouse on roof divider)	Caulk associated with aluminum trim - gray	N/A	NAD	N/A	No	Good
069	9250-69 (Roof, east side edge of middle roof)	Asphalt caulk with roll up roof - black	N/A	NAD	N/A	No	Good
070	9250-70 (Roof, SE corner of central skylight)	Caulk associated with corner of skylights - white	N/A	NAD	N/A	No	Good
071	9250-71 (Rm 5, at work bench)	12" x 12" Floor tile - gray with dark gray streaks	N/A	NAD	N/A	No	Good
072	9250-72 (Rm 5, at work bench)	Mastic with 071 - gold	N/A	NAD	N/A	No	Good
073	9250-73 (Rm 83, near NW door)	12" x 12" Floor tile - black with white flakes	N/A	NAD	N/A	No	Good
074	9250-74 (Rm 83, near NW door)	Mastic with 073 - gold	N/A	NAD	N/A	No	Good
075	9250-75 (Rm 81, SW corner)	12" x 12" Floor tile - dark beige with tan-gray streak	N/A	NAD	N/A	No	Good
076	**9250-76 (Rm 81, SW corner)**	**Mastic with 075 - black**	**Room 80, Room 81**	**5% Chrysotile**	**905 SF**	**No**	**Good**

Table 3-1
Suspect ACM Homogeneous Area (HA) Summary
9250 Bendix Road
Columbia, Maryland

HA Number	Sample number (sample location)	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
077	9250-77 (Rm 89, at old vent)	Caulk associated with old louver vent - white	N/A	NAD	N/A	No	Good
078	9250-78 (Rm 90, NE corner)	Canvas wrap on elbow - beige	N/A	NAD	N/A	No	Good
079	**9250-79A (Rm 90, NE corner front upper elbow)**	**2"-3" OD elbow on fiberglass pipe - gray**	**Room 90, Room 91, Room 92, Room 240, Room 261, Room 344**	**2% Chrysotile**	**44 EA**	**Yes**	**Poor**
	9250-79B (Rm 90, NE corner back lower elbow)			**Not Analyzed**			
	9250-79C (Rm 240, above water heater)			**Not Analyzed**			
080	9250-80 (Rm 93, SE corner)	Canvas wrap on roof drain elbow - beige	N/A	NAD	N/A	No	Good
081	**9250-81 (Rm 94, SE corner)**	**9" x 9" Floor tile - tan with beige/brown mottle**	**Room 94, Room 95**	**5% Chrysotile**	**2,850 SF**	**No**	**Good**
082	**9250-82 (Rm 94, SE corner)**	**9" x 9" Floor tile - brown with dark brown/tan mottle**	**Room 94, Room 95**	**5% Chrysotile**	**2,850 SF**	**No**	**Good**
083	**9250-83 (Rm 94, SE corner)**	**Mastic with 081 and 082 - black**	**Room 94, Room 95**	**5% Chrysotile**	**5,700 SF**	**No**	**Good**
084	9250-84 (Rm 96, SE corner)	12" x 12" Floor tile - light gray with gray mottle	N/A	NAD	N/A	No	Good
085	9250-85 (Rm 96, SE corner)	Mastic with 084 - gold	N/A	NAD	N/A	No	Good
086	9250-86 (Rm 97, center of room under raised floor)	Mastic associated with raised floor legs - black	N/A	NAD	N/A	No	Good
087	9250-87 (Rm 97, SE ramp)	12" x 12" Floor tile - black with white and black speckles	N/A	NAD	N/A	No	Good
088	9250-88 (Rm 102, SW corner of room)	12" x 12" Floor tile - tan mottle with green and auburn chips	N/A	NAD	N/A	No	Good
089	9250-89 (Rm 102, SW corner of room)	Mastic with 088 - gold	N/A	NAD	N/A	No	Good
090	9250-90 (Rm 106, SE corner)	12" x 12" Floor tile - salmon mottle with gray chips	N/A	NAD	N/A	No	Good
091	**9250-91 (Rm 106, SE corner)**	**Mastic with 090 - gold**	**Room 106, Room 355**	**2% Chrysotile**	**107 SF**	**No**	**Good**
092	9250-92 (Rm 110, at threshold)	12" x 12" Floor tile - maroon mottle	N/A	NAD	N/A	No	Good
093	9250-93 (Rm 110, at threshold)	Mastic with 092 - black/brown	N/A	NAD	N/A	No	Good
094	9250-94 (Rm 110, at threshold)	Carpet mastic with remnant mastic - gold	N/A	<1% Chrysotile	N/A	No	Good
095	9250-95 (Rm 119, at Rm 120)	Carpet mastic (brittle) - gold	N/A	NAD	N/A	No	Good
096	**9250-96 (Rm 119, at Rm 120)**	**9" x 9" Floor tile - off white with gray and beige streaks**	**Room 119, Room 120, Room 121, Room 126, Room 127, Room 128, Room 132, Room 133, Room 349, Room 122, Room 123, Room 124, Room 125, Room 129, Room 130, Room 131, Room 134, Room 135, Room 136, Room 137, Room 138, Room 139**	**3% Chrysotile**	**2,590 SF**	**No**	**Good**
097	**9250-97 (Rm 119, at Rm 120)**	**9" x 9" Floor tile - gray/green with gray and white streaks**	**Room 119, Room 120, Room 121, Room 126, Room 127, Room 128, Room 132, Room 133, Room 349, Room 122, Room 123, Room 124, Room 125, Room 129, Room 130, Room 131, Room 134, Room 135, Room 136, Room 137, Room 138, Room 139**	**3% Chrysotile**	**2,590 SF**	**No**	**Good**
098	**9250-98 (Rm 119, at Rm 120)**	**Mastic with 096 and 097 - black**	**Room 119, Room 120, Room 121, Room 126, Room 127, Room 128, Room 132, Room 133, Room 349, Room 122, Room 123, Room 124, Room 125, Room 129, Room 130, Room 131, Room 134, Room 135, Room 136, Room 137, Room 138, Room 139**	**5% Chrysotile**	**5,180 SF**	**No**	**Good**
099	9250-99 (Rm 132, center of Rm)	Carpet mastic associated with blue carpet squares - gold	N/A	NAD	N/A	No	Good
100	9250-100 (Rm 132, center of Rm)	12" x 12" Floor tile - tan with brown flake	N/A	NAD	N/A	No	Good

Table 3-1
Suspect ACM Homogeneous Area (HA) Summary
9250 Bendix Road
Columbia, Maryland

HA Number	Sample number (sample location)	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
101	9250-101 (Rm 132, center of Rm)	Mastic with 100 - black	N/A	NAD	N/A	No	Good
102	9250-102 (Rm 146, SE corner)	2' x 2' ceiling tile, pinholes and pock marks - gray	N/A	NAD	N/A	Yes	Good
103	9250-103 (Rm 180, center above filing cabinet)	2' x 2' ceiling tile, pinholes and pock marks in sparse pattern - gray	N/A	NAD	N/A	Yes	Good
104	9250-104 (Rm 197, SW corner)	12" x 12" Floor tile - black gray terrazzo	N/A	NAD	N/A	No	Good
105	9250-105 (Rm 197, SW corner)	Mastic with 104 - beige	N/A	NAD	N/A	No	Good
106	9250-106 (Rm 198, center of Rm)	12" x 12" Floor tile - tan/beige with gray mottle	N/A	NAD	N/A	No	Good
107	9250-107 (Rm 198, center of Rm)	Mastic with 106 - black	N/A	NAD	N/A	No	Good
108	9250-108 (Rm 198, center of Rm)	12" x 12" Floor tile - beige/off white with brown and auburn streaks	N/A	NAD	N/A	No	Good
109	9250-109 (Rm 198, center of Rm)	Mastic with 108 (tacky) - gold	N/A	NAD	N/A	No	Good
110	9250-110 (Entry to Rm 198)	Carpet mastic associated with 2' x 2' carpet squares - gold/tan	N/A	NAD	N/A	No	Good
111	9250-111 (Rm 205, SE corner)	12" x 12" Floor tile - blue/gray mottle	N/A	NAD	N/A	No	Good
112	9250-112 (Rm 2015, SE corner)	Mastic with 111 - gold	N/A	NAD	N/A	No	Good
113	9250-113 (Rm 241, building door)	Caulk associated with aluminum door - gray	N/A	NAD	N/A	No	Good
114	9250-114 (Rm 241, at south wall)	Caulk associated with walls and aluminum windows - light gray	N/A	NAD	N/A	No	Good
115	9250-115 (Rm 241, at door)	Mastic associated with rubber floor in tile pattern - yellow	N/A	NAD	N/A	No	Good
116	**9250-116 (Rm 242, NE corner)**	**Remnant mastic - black**	**Room 295, Room 296, Room 297, Room 298, Room 308, Room 311, Room 313, Room 316, Room 317, Room 322, Room 323, Room 324, Room 242, Room 244, Room 246, Room 248, Room 243, Room 245, Room 247, Room 249, Room 251, Room 253, Room 278, Room 279, Room 280, Room 281, Room 283, Room 284, Room 286, Room 287, Room 288, Room 289, Room 290, Room 292, Room 293, Room 294, Room 299, Room 300, Room 301, Room 302, Room 303, Room 304, Room 305, Room 306, Room 307, Room 309, Room 310, Room 314, Room 318, Room 319, Room 321**	**5% Chrysotile**	**16,275 SF**	**No**	**Good**
117	9250-117 (Rm 255, above Rm 260)	2' x 4' ceiling tile, rigid - gray	N/A	NAD	N/A	Yes	Good
118	9250-118 (Rm 255, above Rm 260)	2' x 4' ceiling tile, drywall - white	N/A	NAD	N/A	Yes	Good
119	9250-119 (Outside Rm 257)	Grout associated with 6" x 6" red floor tile - gray	N/A	NAD	N/A	No	Good
120	9250-120 (Outside Rm 257)	Grout associated with 9" x 18" yellow ceramic wall tile - white	N/A	NAD	N/A	No	Good
121	9250-121 (Rm 255, at base of fridge)	Caulk associated with freezer and fridge - white	N/A	NAD	N/A	No	Good
122	**9250-122 (Rm 256, at door)**	**12" x 12" Floor tile - off white with thin blue and gray streaks**	**Room 256**	**2% Chrysotile**	**100 SF**	**No**	**Good**
123	9250-123 (Rm 256, at door)	Mastic with 122 - gold	N/A	NAD	N/A	No	Good
124	9250-124 (Rm 260, at sink)	Slop sink caulk - gray	N/A	NAD	N/A	No	Good
125	9250-125 (Rm 261, above water heater)	Caulk with hot water pipe penetrations - white	N/A	NAD	N/A	No	Good
126	9250-126 (Rm 254, by door to 264)	12" x 12" Floor tile - green with dark green and white mottle	N/A	NAD	N/A	No	Good

Table 3-1
Suspect ACM Homogeneous Area (HA) Summary
9250 Bendix Road
Columbia, Maryland

HA Number	Sample number (sample location)	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
127	9250-127 (Rm 254, by door to 264)	Mastic with 126 - gold	N/A	NAD	N/A	No	Good
128	9250-128 (Rm 272, NE corner)	12" x 12" Floor tile - beige with brown flakes	N/A	NAD	N/A	No	Good
129	9250-129 (Rm 272, NE corner)	Mastic with 128 - gold	N/A	NAD	N/A	No	Good
130	9250-130 (Rm 273, at sink)	Sink insulation with metal sink - black	N/A	NAD	N/A	No	Good
131	9250-131 (Rm 354, behind door)	12" x 12" Floor tile - tan mottle	N/A	NAD	N/A	No	Good
132	9250-132 (Rm 354, behind door)	Mastic with 131 - black	N/A	NAD	N/A	No	Good
133	9250-133 (Rm 355, at base of sink)	12" x 12" Floor tile - light pink with black specks	N/A	NAD	N/A	No	Good
134	9250-134 (Rm 355, at base of sink)	Mastic with 133 - gold	N/A	NAD	N/A	No	Good
135	9250-135 (Rm 382, by projector)	2' x 2' ceiling tile, slightly rough with pinholes - gray	N/A	NAD	N/A	Yes	Good
136	9250-136 (Rm 382, by sample 135)	2' x 2' ceiling tile, slightly rough with tan color - gray	N/A	NAD	N/A	Yes	Good
Skipped (137 AND 138)							
139	9250-139 (Rm 414, under stairs)	12" x 12" Floor tile - gray with dark gray and white	N/A	NAD	N/A	No	Good
140	9250-140 (Rm 414, under stairs)	Mastic with 139 and 141 - gold	N/A	NAD	N/A	No	Good
141	9250-141 (Rm 414, under stairs)	12" x 12" Floor tile - dark gray mottle	N/A	NAD	N/A	No	Good
142	**9250-142 (Rm 20, east wall)**	**Mastic with particle board walls - black**	**Room 20**	**5% Chrysotile**	**600 SF**	**No**	**Good**
143	9250-143 (Rm 20, SW corner)	Caulk on bare metal duct - gray	N/A	NAD	N/A	No	Good
144	**9250-144 (Rm 419, at Rm 420)**	**9" x 9" Floor tile - green with beige mottle**	**Room 418, Room 419, Room 420**	**5% Chrysotile**	**555 SF**	**No**	**Good**
145	**9250-145 (Rm 419, at Rm 420)**	**Mastic with 144 - black**	**Room 418, Room 419, Room 420**	**3% Chrysotile**	**555 SF**	**No**	**Good**
146	9250-146 (Rm 424, rear wall)	12" x 12" Floor tile - black	N/A	NAD	N/A	No	Good
147	9250-147 (Rm 424, rear wall)	Mastic with 146 - gold	N/A	NAD	N/A	No	Good
148	9250-148 (SE corner of building)	Exterior building caulk - white	N/A	NAD	N/A	No	Good
149	9250-149 (SE corner of building)	Asphalt shingle with brown stone - black	N/A	NAD	N/A	No	Good
150	9250-150 (South side by loading dock)	Asphalt tar on pavement - black	N/A	NAD	N/A	No	Good
151	9250-151 (South side at first aluminum window frame)	Exterior window caulk - gray	N/A	NAD	N/A	No	Good
152	9250-152 (North side entrance walkway)	Expansion joint material - beige	N/A	NAD	N/A	No	Good
153	9250-153 (Exterior incubator door)	Caulk associated with exterior doors and windows - white	N/A	NAD	N/A	No	Good
154	**Not Sampled**	**Metal Fire Door**	**Room 74, Room 81, Room 89, Room 100, Room 101, Room 102, Room 103, Room 104, Room 132, Room 140, Room 150, Room 154, Room 168, Room 169, Room 175, Room 177, Room 180, Room 185, Room 193, Room 202, Room 215, Room 220, Room 223, Room 233, Room 234, Room 255, Room 331, Room 332, Room 336, Room 340, Room 341, Room 345, Room 354, Room 357, Room 382, Room 414, Room 415, Room 141, Room 142, Room 143,**	**Assumed**	**38**	**No**	**Good**
155	**Not Sampled**	**Wood Fire Door**	**Room 7, Room 37, Room 274, Room 296**	**Assumed**	**4**	**No**	**Good**
156	**Not Sampled**	**Flange Gaskets - 8 in. to 12 in. OD**	**Room 45**	**Assumed**	**11**	**No**	**Good**
157	**Not Sampled**	**Roof**	**Roof**	**Assumed**	**197,250**	**No**	**Good**

Table 3-1
Suspect ACM Homogeneous Area (HA) Summary
9250 Bendix Road
Columbia, Maryland

HA Number	Sample number (sample location)	Material Description	Material Location	Analytical Results	Quantity	Friability	Condition
Signal Shop							
001	9240-01 (Main door)	Interior door caulk associated with metal frame - beige	N/A	NAD	N/A	No	Good
002	9240-02 (Restroom pipe penetration)	Drywall walls - tan	N/A	NAD	N/A	Yes	Good
003	9240-03 (Restroom above sink)	Drywall ceiling - white	N/A	NAD	N/A	Yes	Good
004	9240-04 (Rear storage above door)	2' x 4' ceiling tile, wormy track with large pinholes - gray	N/A	NAD	N/A	Yes	Good
005	9240-05 (Restroom hall)	Covebase mastic with 4" baseboard - gold	N/A	NAD	N/A	No	Good
006	9240-06 (Restroom hall)	Joint compound - white	N/A	NAD	N/A	No	Good
007	9240-07 (Rear storage at door)	12" x 12" Floor tile - tan mottle	N/A	NAD	N/A	No	Good
008	9240-08 (Rear storage at door)	Mastic with 007 - gold	N/A	NAD	N/A	No	Good
009	9240-09 (West side of building)	Exterior building caulk associated with electrical panel - gray	N/A	NAD	N/A	No	Good
010	9240-10 (South side of building)	Exterior building caulk associated with air handling unit - white	N/A	NAD	N/A	No	Good
011	9240-11 (NW corner of roof)	Asphalt roofing shingle - black	N/A	NAD	N/A	No	Good

TABLE 3-2

SUMMARY OF XRF TESTING RESULTS

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
Dorsey Main Building									
1	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		**3.5**
2	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
3	Calibrate	N/A	N/A	N/A	N/A	N/A	N/A	Null	1.4
4	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
5	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
6	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
7	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
8	Wall	Drywall	C	Good	Beige	First	1	Negative	0
9	Wall	Block	B	Good	Beige	First	1	Negative	0.1
10	**Structural Beam**	**Metal**	**B**	**Good**	**Beige**	**First**	**1**	**Positive**	**6.7**
11	Pipe	Metal	B	Good	Beige	First	1	Negative	0.05
12	Pipe	Metal	B	Good	Beige	First	1	Negative	0.07
13	Door	Metal	B	Good	Tan	First	1	Negative	0
14	Door Frame	Metal	B	Good	Tan	First	1	Negative	0.11
15	Door	Wood	D	Good	Brown	First	1	Negative	0
16	Wall	Wood	D	Good	White	First	1	Negative	0
17	**Bollard**	**Metal**	**C**	**Good**	**Yellow**	**First**	**1**	**Positive**	**2.3**
18	Lines	Concrete	C	Poor	Yellow	First	1	Negative	0.16
19	Wall	Block	A	Good	Beige	First	2	Negative	0.04
20	Wall	Drywall	C	Good	Beige	First	2	Negative	0
21	Structural Beam	Metal	B	Good	Green	First	2	Negative	0
22	Door	Wood	B	Good	Brown	First	2	Negative	0
23	Door Frame	Metal	D	Good	Brown	First	2	Negative	0.04
24	Door Frame	Metal	D	Good	Brown	First	3	Negative	0.03
25	Door	Wood	D	Good	Brown	First	3	Negative	0
26	Wall	Drywall	D	Good	White	First	3	Negative	0
27	Wall	Drywall	D	Good	White	First	3	Negative	0
28	Door	Wood	A	Good	Brown	First	3	Negative	0.28
29	Door Frame	Metal	A	Good	Brown	First	3	Negative	0.16
30	Door Frame	Metal	A	Good	Brown	First	3	Negative	0.12
31	Door Frame	Metal	B	Good	Tan	First	3	Negative	0
32	Door	Metal	B	Good	Tan	First	3	Negative	0
33	Wall	Block	B	Good	Beige	First	3	Negative	0.3
34	Door Frame	Metal	B	Good	Gray	First	3	Negative	0.12
35	Loading Dock	Metal	B	Good	Green	First	3	Negative	0
36	Wall	Wood	C	Good	White	First	3	Negative	0.01
37	Wall	Drywall	A	Good	White	First	9	Negative	0
38	Wall	Wood	A	Good	White	First	9	Negative	0
39	Wall	Block	B	Good	Beige	First	9	Negative	0.06
40	Conduit	Metal	B	Good	Beige	First	9	Negative	0
41	Wall	Drywall	D	Good	Beige	First	9	Negative	0
42	Wall	Wood	D	Good	Beige	First	9	Negative	0
43	**Structural Beam**	**Wood**	**D**	**Good**	**Beige**	**First**	**9**	**Positive**	**5.2**
44	**Pipe**	**Metal**	**A**	**Good**	**Yellow**	**First**	**9**	**Positive**	**2.6**
45	Loading Dock	Metal	B	Poor	Yellow	First	9	Negative	0.02
46	Loading Dock	Metal	B	Poor	Green	First	9	Negative	0.01

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
47	**Bollard**	**Metal**	**A**	**Poor**	**Yellow**	**First**	**9**	**Positive**	**1.7**
48	Door	Metal	B	Poor	Brown	First	10	Negative	0
49	Door	Metal	C	Poor	Brown	First	10	Negative	0.29
50	Door Frame	Metal	C	Poor	Brown	First	10	Negative	0.28
51	Door Frame	Metal	B	Poor	Brown	First	10	Negative	0
52	Bay Door Frame	Metal	B	Poor	Gray	First	10	Negative	0
53	Wall	Drywall	C	Good	Beige	First	10	Negative	0
54	Wall	Wood	C	Good	Beige	First	10	Negative	0
55	Covebase	Wood	C	Good	Brown	First	10	Negative	0
56	Door Frame	Wood	B	Good	Brown	First	11	Negative	0
57	Wall	Drywall	A	Good	White	First	11	Negative	0.08
58	Door	Metal	D	Good	Brown	First	11	Negative	0.17
59	Door Frame	Metal	D	Good	Brown	First	11	Null	0.23
60	Door Frame	Metal	D	Good	Brown	First	11	Negative	0.1
61	Door Frame	Metal	A	Good	Brown	First	12.1	Negative	0.09
62	Door	Metal	A	Good	Brown	First	12.1	Null	0.13
63	Door	Metal	A	Good	Brown	First	12.1	Negative	0.15
64	Door Frame	Metal	D	Good	Brown	First	12.1	Negative	0
65	Window In Door	Metal	D	Poor	Tan	First	12.1	Negative	0
66	Door	Wood	C	Good	White	First	12.1	Negative	0
67	Trim	Wood	C	Good	White	First	12.1	Negative	0
68	Door Frame	Metal	B	Poor	Gray	First	12.1	Negative	0.15
69	Floor	Concrete	B	Poor	Green	First	12.1	Negative	0.02
70	Wall	Drywall	B	Good	White	First	14	Negative	0
71	Wall	Drywall	B	Good	White	First	14	Negative	0
72	Door Frame	Wood	B	Good	Brown	First	14	Negative	0.01
73	Stall	Metal	B	Good	Beige	First	14	Negative	0
74	Door Frame	Metal	B	Good	Brown	First	14	Negative	0.05
75	Wall	Drywall	B	Good	Beige	First	17	Negative	0
76	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
77	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
78	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
79	Door	Metal	D	Good	Brown	First	18	Negative	0.15
80	Door Frame	Metal	D	Good	Brown	First	18	Negative	0.06
81	Conduit	Metal	D	Good	Beige	First	18	Negative	0.14
82	Wall	Block	C	Good	Beige	First	18	Null	0.13
83	Wall	Block	C	Good	Beige	First	18	Negative	0.08
84	Wall	Drywall	B	Good	White	First	18	Negative	0
85	Door	Metal	B	Good	Brown	First	18	Negative	0
86	Door Frame	Metal	B	Good	Brown	First	18	Negative	0.01
87	Door	Wood	A	Poor	Beige	First	18	Negative	0.06
88	Door	Metal	C	Good	Green	First	20	Negative	0
89	Door Frame	Metal	C	Good	Green	First	20	Negative	0
90	Wall	Block	C	Good	White	First	20	Null	0.07
91	Wall	Block	C	Good	White	First	20	Negative	0.04
92	Wall	Drywall	D	Good	White	First	20	Negative	0
93	Door Frame	Metal	B	Good	Brown	First	20	Negative	0
94	Door	Metal	B	Good	Brown	First	20	Negative	0

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
95	Door	Metal	D	Good	Brown	First	20	Negative	0.01
96	**Roof Drain**	**Metal**	**B**	**Good**	**Yellow**	**First**	**20**	**Positive**	**2.2**
97	Wall	Drywall	B	Good	Beige	First	6	Negative	0
98	Door Frame	Metal	B	Good	Brown	First	6	Negative	0
99	Door Frame	Metal	D	Good	Green	First	24	Negative	0
100	Door Window	Metal	D	Good	Green	First	24	Negative	0
101	Wall	Drywall	C	Good	White	First	24	Negative	0
102	Wall	Drywall	C	Good	Gray	First	30	Negative	0
103	Door Frame	Metal	B	Good	Gray	First	30	Negative	0.01
104	Door	Wood	B	Good	Gray	First	30	Negative	0
105	Door Frame	Metal	B	Good	Gray	First	43	Negative	0
106	Wall	Drywall	B	Good	White	First	43	Negative	0
107	Wall	Wood	B	Good	White	First	43	Negative	0
108	Ceiling	Drywall	B	Good	White	First	43	Negative	0
109	Door Frame	Metal	C	Good	Gray	First	38	Negative	0
110	Door Frame	Metal	A	Good	Brown	First	38	Negative	0
111	Door	Wood	A	Good	Brown	First	38	Negative	0
112	Wall	Drywall	A	Good	Gray	First	38	Negative	0
113	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
114	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
115	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
144	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		**3.41**
145	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
146	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
147	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
148	Wall	Drywall	C	Poor	Gray	First	44	Negative	0
149	Door Frame	Metal	B	Poor	Gray	First	44	Negative	0
150	Window Sill	Metal	C	Good	White	First	45	Negative	0.24
151	Water Main	Metal	C	Good	White	First	45	Negative	0.1
152	Wall	Drywall	A	Good	Gray	First	45	Negative	0
153	Door Frame	Metal	C	Good	Gray	First	45	Negative	0
154	Door	Metal	C	Good	Gray	First	45	Negative	0
155	Wall	Drywall	C	Good	Blue	First	49	Negative	0
156	Window Sill	Drywall	C	Good	Blue	First	49	Negative	0
157	**Structural Beam**	**Metal**	**D**	**Good**	**White**	**First**	**53**	**Positive**	**8.9**
158	Wall	Drywall	D	Good	White	First	53	Negative	0.08
159	Door Frame	Metal	D	Good	Gray	First	53	Negative	0.14
160	Door	Wood	D	Good	Gray	First	53	Negative	0.24
161	Tele Box	Metal	D	Good	White	First	53	Negative	0.15
162	Wall	Block	C	Good	White	First	54	Null	0.02
163	Wall	Block	C	Good	White	First	54	Negative	0
164	Wall	Block	C	Good	Green	First	54	Negative	0.02
165	**Wall**	**Ceramic**	**C**	**Good**	**Green**	**First**	**54**	**Positive**	**4.4**
166	Sink	Porcelain	D	Good	White	First	54	Negative	0
167	Stall	Metal	A	Good	Brown	First	54	Negative	0.1
168	Door	Wood	A	Good	Green	First	54	Negative	0.4
169	Door Frame	Metal	A	Good	Green	First	54	Negative	0.14
170	Wall	Block	C	Good	White	First	56	Negative	0.01

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
171	Wall	Block	C	Good	Yellow	First	56	Negative	0.02
172	**Wall**	**Ceramic**	**C**	**Good**	**Yellow**	**First**	**56**	**Positive**	**5.1**
173	Door Frame	Metal	D	Poor	Yellow	First	56	Negative	0.12
174	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
175	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
176	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
177	Wall Prefab	Wood	C	Good	White	First	59	Negative	0
178	Wall	Drywall	D	Good	White	First	59	Negative	0
179	Wall	Drywall	D	Good	White	First	60	Negative	0
180	Door	Wood	D	Good	Brown	First	60	Negative	0
181	Door Frame	Metal	D	Good	Brown	First	60	Negative	0.05
182	Door Frame	Metal	D	Good	Brown	First	60	Negative	0
183	Wall	Drywall	D	Poor	White	First	61	Negative	0
184	Wall Prefab	Wood	A	Good	White	First	61	Negative	0.3
185	Wall	Drywall	D	Good	Beige	First	62	Negative	0
186	Door	Metal	D	Good	Brown	First	62	Negative	0
187	Door Frame	Metal	D	Good	Brown	First	62	Negative	0.06
188	Door Frame	Metal	C	Good	Brown	First	72	Negative	0
189	Door	Metal	C	Good	Brown	First	72	Negative	0
190	Wall	Drywall	A	Good	White	First	72	Negative	0
191	Door Frame	Metal	D	Good	Brown	First	64	Negative	0.21
192	Door	Wood	D	Good	Brown	First	64	Negative	0.01
193	Wall	Drywall	D	Good	White	First	64	Negative	0
194	Wall	Drywall	B	Good	White	First	73	Negative	0
195	Door	Metal	D	Good	White	First	73	Negative	< LOD
196	Door Frame	Metal	D	Good	White	First	73	Negative	0
197	Door Frame	Metal	A	Good	Brown	First	73	Negative	0.03
198	Window Frame	Wood	D	Good	Black	First	71	Negative	0
199	Window Sill	Wood	D	Good	Black	First	71	Negative	0
200	Door Frame	Metal	C	Good	White	First	74	Negative	0
201	Door	Metal	C	Good	White	First	74	Negative	0
202	Wall	Drywall	C	Good	White	First	74	Negative	0
203	Door Frame	Metal	D	Good	Brown	First	74	Negative	0
204	Door	Metal	D	Good	Brown	First	74	Negative	0
205	Wall	Block	D	Good	White	First	74	Negative	0
206	Door Frame	Metal	B	Good	Tan	First	74	Negative	0
207	Door	Metal	B	Good	Tan	First	74	Negative	0
208	Wall	Drywall	B	Good	Beige	First	78	Negative	0
209	Door	Wood	C	Good	White	First	78	Negative	0
210	Door Frame	Metal	C	Good	Red	First	78	Negative	0
211	Door Frame	Wood	D	Good	Red	First	78	Negative	0
212	Door	Metal	D	Good	Tan	First	78	Negative	0
213	Structural Beam	Metal	B	Good	Brown	First	78	Negative	0
214	Column	Metal	B	Good	Brown	First	78	Negative	0
215	Riser	Metal	B	Good	Brown	First	78	Negative	0.01
216	Riser	Metal	B	Good	Brown	First	78	Negative	0.04
217	Window Frame	Wood	A	Good	Brown	First	Penthouse	Null	0
218	Window Frame	Wood	A	Good	Brown	Second	Penthouse	Negative	0

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
219	Window Sill	Wood	A	Good	Brown	Second	Penthouse	Negative	0
220	Window Sill	Wood	A	Good	Brown	Second	Penthouse	Negative	0.08
221	Door Frame	Metal	C	Good	Brown	Second	Penthouse	Negative	0
222	Wall	Drywall	C	Good	Beige	Second	Penthouse	Negative	0
223	Door Frame	Wood	C	Good	Brown	Second	Penthouse	Negative	0
224	Door Frame	Wood	C	Good	Brown	Second	Penthouse	Negative	0
225	Door	Metal	C	Good	Tan	Second	Penthouse	Negative	0
226	I-Beam	Metal	C	Good	White	Second	Penthouse	Negative	0
227	I-Beam	Metal	C	Good	White	Second	Penthouse	Negative	0
228	Wall	Block	B	Good	White	Second	Roof	Negative	0.02
229	Window	Metal	C	Good	Brown	Second	Roof	Negative	0
230	Window	Wood	C	Good	Brown	Second	Roof	Negative	0
231	Door	Metal	A	Good	Beige	Second	Roof	Negative	0
232	I-Beam	Metal	A	Good	White	Second	Roof	Negative	0.1
233	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
234	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
235	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
236	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
237	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		**3.31**
238	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
239	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
240	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
241	Wall	Drywall	C	Good	Green	First	80	Negative	0
242	Door Frame	Metal	B	Good	Green	First	80	Negative	0
243	Door Frame	Metal	B	Good	Green	First	80	Negative	0.01
244	Window Frame	Wood	D	Good	Green	First	80	Negative	0
245	Window Frame	Metal	B	Good	Brown	First	81	Negative	0
246	Door Frame	Metal	B	Good	Brown	First	81	Negative	0
247	Door	Metal	B	Good	Brown	First	81	Negative	0
248	Wall	Drywall	B	Good	White	First	81	Negative	0
249	Door Frame	Wood	D	Good	Beige	First	81	Negative	0
250	Door Frame	Metal	B	Good	Gray	First	81	Negative	0
251	Handrail	Metal	B	Good	Gray	First	81	Negative	0
252	**Structural Beam**	**Metal**	**C**	**Good**	**White**	**First**	**83**	**Positive**	**2.5**
253	Wall	Drywall	C	Good	White	First	83	Null	0
254	Wall	Drywall	C	Good	White	First	83	Negative	0
255	Door	Metal	C	Good	Brown	First	83	Negative	0
256	Door Frame	Metal	C	Good	Brown	First	83	Negative	0.01
257	Door Frame	Metal	A	Poor	White	First	82	Negative	0.02
258	Door	Wood	A	Good	Brown	First	82	Negative	0
259	Door	Wood	B	Good	Brown	First	5	Negative	0
260	Door Frame	Metal	B	Good	Red	First	5	Negative	0.03
261	Wall	Drywall	B	Good	White	First	5	Negative	0
262	Wall	Drywall	B	Good	White	First	5	Negative	0
263	Wall	Drywall	A	Good	Beige	First	84	Negative	0
264	Door Frame	Metal	A	Good	Beige	First	84	Negative	0.01
265	Door	Wood	A	Good	Beige	First	84	Negative	0
266	Wall	Drywall	B	Good	Beige	First	84	Negative	0

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
267	Door Frame	Metal	B	Good	White	First	84	Negative	0.03
268	Door Frame	Metal	B	Good	White	First	86	Negative	0.05
269	Door	Wood	B	Good	White	First	86	Negative	0
270	Wall	Vinyl	B	Good	White	First	86	Negative	0
271	**Structural Beam**	**Metal**	**D**	**Good**	**Green**	**First**	**84**	**Positive**	**6**
272	Roof Drain	Metal	D	Good	Green	First	84	Negative	0.18
273	Wall	Block	A	Good	Beige	First	88	Null	0.07
274	Wall	Block	A	Good	Beige	First	88	Negative	0.07
275	Wall	Drywall	B	Good	Beige	First	88	Negative	0
276	Door	Wood	C	Good	Gray	First	88	Negative	0
277	Door Frame	Metal	C	Good	Brown	First	88	Negative	0
278	Floor	Concrete	C	Poor	White	First	88	Negative	0.03
279	Roof Truss	Drywall	A	Good	Black	First	89	Negative	0.02
280	Door Frame	Metal	C	Good	Beige	First	89	Negative	0.19
281	**Door**	**Metal**	**C**	**Good**	**Green**	**First**	**89**	**Positive**	**0.9**
282	Door Frame	Metal	C	Good	Brown	First	89	Negative	0.28
283	Door Frame	Metal	C	Good	Red	First	90	Negative	0
284	Door	Metal	C	Good	Gray	First	90	Negative	0
285	Door	Wood	C	Good	Brown	First	92	Negative	0
286	Door Frame	Metal	C	Good	Brown	First	92	Negative	0.05
287	Door Frame	Metal	D	Good	White	First	85	Negative	0.01
288	Door	Metal	D	Good	White	First	85	Negative	0
289	Door Frame	Wood	A	Good	White	First	85	Negative	0
290	Door Frame	Metal	A	Good	Brown	First	87	Negative	0.01
291	Door Frame	Metal	D	Good	White	First	87	Negative	0.03
292	Door	Wood	D	Good	White	First	87	Negative	0
293	Wall	Vinyl	D	Good	White	First	87	Negative	0
294	**Structural Beam**	**Metal**	**D**	**Good**	**White**	**First**	**87**	**Positive**	**6.2**
295	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
296	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
297	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
298	Door Frame	Metal	B	Good	Red	First	93	Negative	0.01
299	Door	Metal	B	Good	Gray	First	93	Negative	< LOD
300	Door	Metal	B	Good	Gray	First	93	Negative	0.01
301	Door Frame	Metal	B	Good	Blue	First	93	Negative	0
302	Roof Drain	Metal	B	Good	Green	First	93	Negative	0.17
303	Door	Wood	A	Good	Brown	First	94	Negative	0
304	Door Frame	Metal	A	Good	Brown	First	94	Negative	0
305	Wall	Block	A	Good	Beige	First	94	Negative	0.05
306	Column	Drywall	C	Good	Green	First	94	Negative	0.23
307	Door	Wood	A	Good	Green	First	94	Negative	0
308	Door Frame	Metal	A	Good	Green	First	94	Negative	0.01
309	Window Frame	Wood	B	Good	Beige	First	94	Negative	0.01
310	Window	Wood	B	Good	Beige	First	94	Negative	0.02
311	Wall	Drywall	B	Good	White	First	95	Negative	0.02
312	Pipe	Metal	B	Good	White	First	95	Negative	0.02
313	Door	Wood	B	Good	Green	First	95	Negative	0.3
314	Door Frame	Metal	B	Good	Green	First	95	Negative	0.16

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
315	**I-Beam**	**Metal**	**B**	**Good**	**Red**	**Second**	**Mezzanine By 94**	**Positive**	**5**
316	Roof Truss	Metal	B	Good	Black	Second	Mezzanine By 94	Negative	0.04
317	Riser	Metal	B	Good	Black	Second	Mezzanine By 94	Negative	0.05
318	Floor	Wood	B	Good	Blue	Second	Mezzanine By 94	Negative	0.06
319	Riser	Wood	B	Good	Blue	First	Mezzanine By 94	Negative	0.04
320	Door	Metal	B	Good	Gray	First	96	Negative	0
321	Door Frame	Metal	B	Good	Gray	First	96	Negative	0
322	Wall	Drywall	B	Good	White	First	96	Negative	0
323	Wall	Drywall	C	Good	Beige	First	97	Negative	0
324	Door	Metal	B	Good	Brown	First	97	Negative	0
325	Door Frame	Metal	B	Good	Brown	First	97	Negative	0
326	Door Frame	Metal	B	Good	Brown	First	102	Negative	0
327	Door	Metal	B	Good	Brown	First	102	Negative	0
328	Wall	Drywall	B	Good	Beige	First	102	Negative	0
329	Wall	Drywall	D	Good	White	First	106	Negative	0
330	Door	Wood	B	Good	Gray	First	106	Negative	0.21
331	Door Frame	Metal	B	Good	Gray	First	106	Negative	0.11
332	Wall	Drywall	B	Good	Beige	First	106	Negative	0
333	Wall	Block	A	Good	Beige	First	106	Negative	0.12
334	Door	Wood	A	Good	Green	First	106	Negative	0
335	Door Frame	Metal	A	Good	Gray	First	106	Negative	0.3
336	**Structural Beam**	**Metal**	**C**	**Good**	**Green**	**First**	**106**	**Positive**	**10.1**
337	Door	Metal	D	Good	Beige	First	108	Negative	0
338	Door Frame	Metal	D	Good	Beige	First	108	Negative	0.01
339	Wall	Drywall	D	Good	Beige	First	108	Negative	0.01
340	Door Frame	Metal	B	Good	Pink	First	108	Negative	0
341	Door	Metal	B	Good	Pink	First	108	Negative	0
342	Door	Wood	B	Good	Brown	First	119	Negative	0.07
343	Door Frame	Metal	B	Good	Brown	First	119	Negative	0
344	Wall	Drywall	B	Good	White	First	119	Negative	0.01
345	Wall	Drywall	B	Good	White	First	120	Negative	0.02
346	Door Frame	Metal	A	Good	Brown	First	120	Negative	0.15
347	Door	Wood	A	Good	Brown	First	120	Negative	0.5
348	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
349	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
350	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
351	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
352	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		**3.59**
353	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		**3.59**
354	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
355	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
356	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
357	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
358	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
359	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
360	Wall	Drywall	A	Good	White	First	121	Negative	0.02
361	Wall	Drywall	A	Good	White	First	121	Negative	0.02
362	Door	Wood	B	Good	Brown	First	121	Negative	0.4

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
363	Door	Wood	B	Good	Brown	First	121	Negative	0.3
364	Door	Wood	B	Good	Brown	First	121	Negative	0.4
365	Door	Wood	B	Good	Brown	First	121	Negative	0.3
366	Door	Wood	C	Good	Brown	First	126	Negative	0
367	Door Frame	Metal	C	Good	Brown	First	126	Negative	0.01
368	Wall	Drywall	C	Good	White	First	126	Negative	0
369	Door	Wood	C	Good	Brown	First	126	Negative	0
370	Door Frame	Metal	C	Good	Brown	First	126	Negative	0.01
371	Wall	Drywall	C	Good	White	First	126	Negative	0
372	Wall	Partition	A	Good	White	First	126	Negative	0.29
373	Wall	Partition	A	Good	White	First	126	Negative	0.29
374	Wall	Drywall	A	Good	White	First	127	Negative	0.05
375	Door Frame	Metal	A	Good	Brown	First	127	Negative	0.01
376	Wall	Drywall	A	Good	White	First	127	Negative	0.05
377	Door Frame	Metal	A	Good	Brown	First	127	Negative	0.01
378	Wall	Partition	A	Good	White	First	128	Negative	0.01
379	Wall	Wood	D	Good	White	First	128	Negative	0.1
380	Wall	Partition	A	Good	White	First	128	Negative	0.01
381	Wall	Wood	D	Good	White	First	128	Negative	0.1
382	Door Frame	Metal	C	Good	Brown	First	128	Negative	0.08
383	Door Frame	Metal	C	Good	Brown	First	128	Negative	0.08
384	Wall	Block	C	Good	Beige	First	128	Negative	0.03
385	Door	Metal	C	Good	Gray	First	128	Negative	0
386	Wall	Block	C	Good	Beige	First	128	Negative	0.03
387	Door	Metal	C	Good	Gray	First	128	Negative	0
388	Door Frame	Metal	C	Good	Gray	First	128	Negative	0
389	Door Frame	Metal	C	Good	Brown	First	128	Negative	0
390	Door Frame	Metal	C	Good	Gray	First	128	Negative	0
391	Door Frame	Metal	C	Good	Brown	First	128	Negative	0
392	Wall	Drywall	C	Good	White	First	128	Negative	0
393	Wall	Drywall	C	Good	White	First	128	Negative	0
394	Wall	Drywall	B	Good	White	First	133	Negative	0
395	Wall	Drywall	B	Good	White	First	133	Negative	0
396	Wall	Partition	D	Good	White	First	133	Negative	0.3
397	Window Sill	Metal	C	Poor	White	First	133	Negative	0.12
398	Wall	Partition	D	Good	White	First	133	Negative	0.3
399	Window Sill	Metal	C	Poor	White	First	133	Negative	0.12
400	Window Frame	Wood	C	Good	White	First	133	Negative	0.02
401	Door	Wood	C	Good	White	First	133	Negative	< LOD
402	Window Frame	Wood	C	Good	White	First	133	Negative	0.02
403	Door	Wood	C	Good	White	First	133	Negative	< LOD
404	Door	Metal	A	Good	Brown	First	140	Negative	0
405	Door Frame	Metal	A	Good	Brown	First	140	Negative	0.01
406	Door	Metal	A	Good	Brown	First	140	Negative	0
407	Door Frame	Metal	A	Good	Brown	First	140	Negative	0.01
408	Wall	Drywall	A	Good	White	First	140	Negative	0
409	Structural Beam	Metal	C	Good	Brown	First	141	Negative	0.01
410	Wall	Drywall	A	Good	White	First	140	Negative	0

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
411	Structural Beam	Metal	C	Good	Brown	First	141	Negative	0.01
412	Door Frame	Metal	C	Good	White	First	144	Negative	0
413	Door Frame	Metal	C	Good	White	First	144	Negative	0
414	Wall	Drywall	C	Good	White	First	144	Negative	0
415	Wall	Drywall	B	Good	Blue	First	144	Negative	0
416	Wall	Drywall	C	Good	White	First	144	Negative	0
417	Wall	Drywall	B	Good	Blue	First	144	Negative	0
418	Wall	Drywall	A	Good	White	First	146	Negative	0
419	Door Frame	Metal	A	Good	White	First	146	Negative	0
420	Wall	Drywall	A	Good	White	First	146	Negative	0
421	Door Frame	Metal	A	Good	White	First	146	Negative	0
422	Door Frame	Metal	A	Good	Brown	First	150	Negative	0
423	Door	Metal	A	Good	Brown	First	150	Negative	0
424	Wall	Drywall	C	Good	Blue	First	150	Negative	0
425	Door Frame	Metal	A	Good	Brown	First	150	Negative	0
426	Door	Metal	A	Good	Brown	First	150	Negative	0
427	Wall	Drywall	C	Good	Blue	First	150	Negative	0
428	Structural Beam	Metal	C	Good	Brown	First	154	Negative	0.01
429	Structural Beam	Metal	C	Good	Brown	First	154	Negative	0.01
430	Door Frame	Metal	C	Good	Brown	First	154	Negative	0
431	Door	Metal	C	Good	Brown	First	154	Negative	0.01
432	Door Frame	Metal	C	Good	Brown	First	154	Negative	0
433	Door Frame	Metal	C	Good	Brown	First	154	Negative	0
434	Door	Metal	C	Good	Brown	First	154	Negative	0.01
435	Door Frame	Metal	C	Good	Brown	First	154	Negative	0
436	Door Frame	Metal	B	Good	Brown	First	168	Negative	0
437	Door	Metal	B	Good	Brown	First	168	Negative	0
438	Door Frame	Metal	B	Good	Brown	First	168	Negative	0
439	Door	Metal	B	Good	Brown	First	168	Negative	0
440	Wall	Drywall	B	Good	White	First	168	Negative	0
441	Structural Beam	Metal	A	Good	Brown	First	168	Negative	0
442	Wall	Drywall	B	Good	White	First	168	Negative	0
443	Structural Beam	Metal	A	Good	Brown	First	168	Negative	0
444	Wall	Drywall	C	Good	Light Purple	First	170	Null	0
445	Wall	Drywall	D	Good	Light Purple	First	170	Negative	0
446	Wall	Drywall	C	Good	Light Purple	First	170	Null	0
447	Wall	Drywall	D	Good	Light Purple	First	170	Negative	0
448	Door Frame	Metal	C	Good	Brown	First	170	Negative	0
449	Door Frame	Metal	C	Good	Brown	First	170	Negative	0
450	Door Frame	Metal	D	Good	Brown	First	169	Negative	0
451	Door	Metal	D	Good	Brown	First	169	Negative	0
452	Door Frame	Metal	D	Good	Brown	First	169	Negative	0
453	Door	Metal	D	Good	Brown	First	169	Negative	0
454	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
455	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
456	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
457	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
458	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
459	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
460	Door Frame	Metal	D	Good	Brown	First	180	Negative	0.03
461	Door Frame	Metal	B	Good	Brown	First	180	Negative	0
462	Wall	Drywall	B	Good	White	First	180	Negative	0
463	Door Frame	Metal	D	Good	Brown	First	180	Negative	0.03
464	Door Frame	Metal	B	Good	Brown	First	180	Negative	0
465	Wall	Drywall	B	Good	White	First	180	Negative	0
466	Structural Beam	Metal	B	Good	Brown	First	180	Negative	0.03
467	Structural Beam	Metal	B	Good	Brown	First	180	Negative	0.03
468	Door Frame	Metal	B	Good	Gray	First	193	Negative	0
469	Door	Wood	B	Good	Gray	First	193	Negative	0.01
470	Wall	Drywall	B	Good	White	First	193	Negative	0
471	Door Frame	Metal	B	Good	Gray	First	193	Negative	0
472	Door	Wood	B	Good	Gray	First	193	Negative	0.01
473	Wall	Drywall	B	Good	White	First	193	Negative	0
474	Structural Beam	Metal	D	Good	White	First	193	Negative	0
475	Structural Beam	Metal	D	Good	White	First	193	Negative	0
476	Door	Wood	C	Good	White	First	193	Negative	0
477	Window	Metal	C	Good	White	First	193	Negative	0
478	Door	Wood	C	Good	White	First	193	Negative	0
479	Window	Metal	C	Good	White	First	193	Negative	0
480	Wall	Drywall	C	Good	Beige	First	200	Negative	0
481	Wall	Drywall	C	Good	Beige	First	200	Negative	0
482	Door	Metal	D	Good	Gray	First	200	Negative	0
483	Door Frame	Metal	D	Good	Gray	First	200	Negative	0
484	Door	Metal	D	Good	Gray	First	200	Negative	0
485	Door Frame	Metal	D	Good	Gray	First	200	Negative	0
486	Door Frame	Metal	D	Good	Brown	First	202	Negative	0
487	Door Frame	Metal	D	Good	Brown	First	202	Negative	0
488	Wall	Drywall	D	Good	White	First	202	Negative	0
489	Wall	Drywall	B	Good	White	First	202	Negative	0
490	Door	Metal	B	Good	Brown	First	202	Negative	0
491	Wall	Drywall	D	Good	White	First	202	Negative	0
492	Wall	Drywall	B	Good	White	First	202	Negative	0
493	Door	Metal	B	Good	Brown	First	202	Negative	0
494	Door Frame	Metal	B	Good	Brown	First	202	Negative	0
495	Door Frame	Metal	B	Good	Brown	First	202	Negative	0
496	Door Frame	Metal	C	Good	Brown	First	215	Negative	0
497	Door	Metal	C	Good	Brown	First	215	Negative	0
498	Door Frame	Metal	C	Good	Brown	First	215	Negative	0
499	Door	Metal	C	Good	Brown	First	215	Negative	0
500	Wall	Drywall	C	Good	White	First	215	Negative	0
501	Wall	Partition	A	Good	White	First	215	Negative	0.01
502	Structural Beam	Metal	A	Good	White	First	215	Negative	0.02
503	Wall	Drywall	C	Good	White	First	215	Negative	0
504	Wall	Partition	A	Good	White	First	215	Negative	0.01
505	Structural Beam	Metal	A	Good	White	First	215	Negative	0.02
506	Structural Beam	Metal	C	Good	White	First	220	Negative	0

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
507	Wall	Drywall	C	Good	White	First	220	Negative	0
508	Structural Beam	Metal	C	Good	White	First	220	Negative	0
509	Wall	Drywall	C	Good	White	First	220	Negative	0
510	Door Frame	Metal	A	Good	Brown	First	220	Negative	0.03
511	Door	Metal	A	Good	Brown	First	220	Negative	0
512	Door Frame	Metal	A	Good	Brown	First	220	Negative	0.03
513	Door	Metal	A	Good	Brown	First	220	Negative	0
514	Door	Metal	A	Good	Brown	First	201	Negative	0
515	Door Frame	Metal	A	Good	Brown	First	201	Negative	0
516	Wall	Drywall	A	Good	White	First	201	Negative	0
517	Door	Metal	A	Good	Brown	First	201	Negative	0
518	Door Frame	Metal	A	Good	Brown	First	201	Negative	0
519	Wall	Drywall	A	Good	White	First	201	Negative	0
520	Wall	Drywall	A	Good	White	First	223	Negative	0
521	Door Frame	Metal	A	Good	Red	First	223	Negative	0.03
522	Wall	Drywall	A	Good	White	First	223	Negative	0
523	Door Frame	Metal	A	Good	Red	First	223	Negative	0.03
524	Door	Metal	C	Good	White	First	223	Negative	0
525	Window Frame	Wood	D	Good	Red	First	223	Negative	0.01
526	Door	Metal	C	Good	White	First	223	Negative	0
527	Window Frame	Wood	D	Good	Red	First	223	Negative	0.01
528	Door	Metal	B	Good	Red	First	223	Negative	0
529	Door	Metal	B	Good	Red	First	223	Negative	0
530	Door	Metal	B	Good	Red	First	234	Negative	0
531	Door Frame	Metal	B	Good	White	First	234	Negative	0.21
532	Door	Metal	B	Good	Red	First	234	Negative	0
533	Door Frame	Metal	B	Good	White	First	234	Negative	0.21
534	Wall	Block	B	Good	White	First	234	Negative	0.08
535	Wall	Drywall	B	Good	White	First	234	Negative	0
536	Wall	Block	B	Good	White	First	234	Negative	0.08
537	Wall	Drywall	B	Good	White	First	234	Negative	0
538	Door	Wood	B	Good	White	First	234	Negative	0
539	Door Frame	Metal	B	Good	White	First	234	Negative	0
540	Door	Wood	B	Good	White	First	234	Negative	0
541	Door Frame	Metal	B	Good	White	First	234	Negative	0
542	Door Frame	Metal	D	Good	Gray	First	236	Negative	0.01
543	Wall	Drywall	B	Good	Gray	First	234	Negative	0.02
544	Door Frame	Metal	D	Good	Gray	First	236	Negative	0.01
545	Wall	Drywall	B	Good	Gray	First	234	Negative	0.02
546	Wall	Drywall	B	Good	Gray	First	239	Negative	0
547	Wall	Drywall	D	Good	White	First	239	Negative	0
548	Wall	Drywall	B	Good	Gray	First	239	Negative	0
549	Wall	Drywall	D	Good	White	First	239	Negative	0
550	Wall	Drywall	A	Good	Beige	First	239	Negative	0
551	Wall	Drywall	A	Good	Beige	First	239	Negative	0
552	Door Frame	Metal	A	Good	White	First	239	Negative	0
553	Door	Metal	A	Good	Green	First	239	Negative	0
554	Window Frame	Metal	A	Good	White	First	239	Negative	0.02

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
555	Door Frame	Metal	A	Good	White	First	239	Negative	0
556	Door	Metal	A	Good	Green	First	239	Negative	0
557	Window Frame	Metal	A	Good	White	First	239	Negative	0.02
558	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
559	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
560	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
561	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
562	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
563	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
564	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		**3.82**
565	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
566	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Null	0.9
567	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
568	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
569	Door	Metal	A	Good	Brown	First	240	Negative	0.09
570	Door Frame	Metal	A	Good	Brown	First	240	Negative	0.21
571	Wall	Block	A	Good	Tan	First	240	Negative	0.05
572	Ladder	Metal	B	Poor	Tan	First	240	Negative	0.16
573	Conduit	Metal	D	Poor	Tan	First	240	Negative	0.19
574	**I-Beam**	**Metal**	**B**	**Good**	**White**	**First**	**239**	**Positive**	**5.9**
575	Ceiling	Concrete	C	Good	Tan	First	241	Null	0.01
576	Ceiling	Concrete	C	Good	Tan	First	241	Negative	0.01
577	Wall	Drywall	B	Good	White	First	242	Negative	0
578	Door Frame	Metal	B	Good	White	First	242	Negative	0
579	Door	Wood	B	Good	Green	First	242	Negative	0
580	Window Sill	Metal	D	Good	White	First	242	Negative	0.15
581	Window Sill	Metal	D	Good	White	First	244	Negative	0.28
582	Wall	Drywall	D	Good	White	First	244	Negative	0
583	Wall	Drywall	D	Good	White	First	254	Negative	0
584	Door Frame	Metal	D	Good	White	First	254	Negative	0
585	Door	Wood	D	Good	Green	First	254	Negative	0.01
586	Door	Metal	A	Good	Brown	First	255	Negative	0
587	Door Frame	Metal	A	Good	Brown	First	255	Negative	0.09
588	Door Frame	Metal	B	Good	Brown	First	255	Negative	0
589	Door	Metal	B	Good	Brown	First	255	Negative	0
590	Wall	Drywall	B	Good	White	First	255	Negative	0
591	Wall	Ceramic	B	Good	Yellow	First	255	Negative	0.05
592	Door	Metal	C	Good	Brown	First	255	Negative	0
593	Door Frame	Metal	C	Good	Brown	First	255	Negative	0
594	Fire Box	Metal	D	Good	Brown	First	255	Negative	0.02
595	Fire Box	Metal	D	Poor	White	First	255	Negative	0
596	Wall	Block	B	Good	White	First	259	Negative	0.05
597	Door	Wood	B	Good	Brown	First	259	Negative	0.3
598	Door Frame	Metal	B	Good	Brown	First	256	Negative	0.3
599	Window Frame	Metal	B	Good	Brown	First	256	Negative	0.15
600	Wall	Drywall	B	Good	White	First	256	Negative	0.01
601	Wall	Block	D	Poor	Beige	First	256	Negative	0.03
602	Door	Metal	A	Good	Green	First	256	Negative	0.07

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
603	Door Frame	Metal	A	Good	Green	First	256	Negative	0.02
604	Wall	Block	B	Good	Tan	First	271	Negative	0.01
605	Wall	Block	C	Good	White	First	271	Negative	0.01
606	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Null	1
607	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**Positive**	**1**
608	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**Positive**	**1.1**
609	N/A	N/A	N/A	N/A	N/A	N/A	N/A	**Positive**	**1.1**
610	Door Frame	Metal	B	Good	White	First	273	Negative	0.02
611	Wall	Drywall	B	Good	Tan	First	273	Negative	0.01
612	Wall	Drywall	B	Good	Green	First	273	Negative	0
613	Wall	Block	A	Good	Tan	First	273	Negative	0.04
614	Wall	Drywall	B	Good	Blue	First	274	Negative	0
615	Wall	Drywall	A	Good	Red	First	274	Null	0
616	Wall	Drywall	A	Good	Red	First	274	Negative	0
617	Wall	Drywall	A	Good	White	First	274	Negative	0
618	**I-Beam**	**Metal**	**C**	**Good**	**Red**	**First**	**274**	**Positive**	**4.1**
619	Door Frame	Metal	C	Good	White	First	274	Negative	0
620	Door Frame	Metal	C	Good	White	First	274	Negative	0
621	Wall	Drywall	C	Good	Orange	First	275	Negative	0
622	Wall	Drywall	C	Good	Yellow	First	276	Negative	< LOD
623	Wall	Drywall	C	Good	Blue	First	277	Negative	0.07
624	Wall	Drywall	A	Good	Beige	First	293	Negative	0
625	Door Frame	Metal	A	Good	White	First	293	Negative	0
626	Wall	Drywall	B	Good	Green	First	295	Negative	0
627	Wall	Drywall	D	Good	White	First	295	Negative	0
628	**I-Beam**	**Metal**	**C**	**Good**	**White**	**First**	**295**	**Positive**	**8**
629	Door	Wood	D	Good	White	First	295	Negative	0
630	Door Frame	Metal	D	Good	White	First	295	Negative	0
631	Door Frame	Metal	B	Good	White	First	297	Negative	0
632	Wall	Drywall	B	Good	Blue	First	297	Negative	0
633	Wall	Drywall	C	Good	Blue	First	297	Negative	0
634	Wall	Drywall	C	Good	White	First	317	Negative	0
635	Door Frame	Metal	C	Good	White	First	317	Negative	0
636	Wall	Drywall	A	Good	White	First	322	Negative	0
637	Wall	Drywall	A	Good	Tan	First	322	Negative	0
638	Trim	Wood	A	Good	White	First	322	Negative	0
639	Door Frame	Metal	A	Good	White	First	322	Negative	0
640	Wall	Drywall	D	Good	Blue	First	322	Negative	0
641	Fire Box	Metal	B	Good	White	First	323	Negative	0.07
642	Wall	Drywall	B	Good	White	First	323	Negative	0.03
643	Door Frame	Metal	D	Good	White	First	323	Negative	0
644	Wall	Drywall	B	Good	Blue	First	325	Negative	0
645	Ceiling	Concrete	B	Good	White	First	325	Negative	0
646	Wall	Wood	B	Good	White	First	326	Negative	0
647	Wall	Drywall	D	Good	White	First	326	Negative	0.04
648	Wall	Block	A	Good	White	First	326	Negative	0.05
649	Wall	Block	C	Good	Beige	First	327	Negative	0.03
650	Door Frame	Metal	C	Good	Brown	First	327	Negative	0.16

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
651	Door	Wood	C	Good	Brown	First	327	Negative	0.5
652	Door	Wood	C	Good	Brown	First	327	Negative	0.3
653	Door	Wood	C	Good	Brown	First	327	Negative	0.25
654	Wall	Block	C	Good	White	First	328	Negative	0.09
655	Door Frame	Metal	D	Good	Brown	First	328	Negative	0.19
656	Door	Wood	D	Good	Brown	First	328	Negative	0.4
657	Door	Wood	C	Good	Green	First	330	Negative	0.3
658	Door Frame	Metal	C	Good	Green	First	330	Negative	0.19
659	Door Frame	Metal	B	Good	Green	First	330	Negative	0.14
660	Door	Wood	B	Good	Green	First	330	Negative	0.4
661	Wall	Block	D	Good	Green	First	330	Negative	0.06
662	Wall	Block	D	Good	White	First	330	Negative	0.05
663	**Wall**	**Ceramic**	**D**	**Good**	**Green**	**First**	**330**	**Positive**	**4.8**
664	**Wall**	**Ceramic**	**A**	**Good**	**Yellow**	**First**	**329**	**Positive**	**5.6**
665	Wall	Block	A	Good	Yellow	First	329	Negative	0.06
666	Wall	Block	A	Good	White	First	329	Negative	0.05
667	Door	Wood	D	Good	Yellow	First	329	Negative	0.14
668	Door Frame	Metal	D	Good	Yellow	First	329	Negative	0.03
669	Door Frame	Metal	C	Good	Yellow	First	329	Negative	0.03
670	Door	Wood	C	Good	Yellow	First	329	Negative	0.12
671	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
672	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
673	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
674	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**		**3.52**
675	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
676	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
677	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
678	Door Frame	Metal	A	Good	Brown	First	331	Negative	0.12
679	Door	Wood	A	Good	Brown	First	331	Negative	0.4
680	Door	Metal	C	Good	Brown	First	331	Negative	0.3
681	Door Frame	Metal	C	Good	Brown	First	331	Negative	0.4
682	Door Frame	Metal	A	Good	Yellow	First	331	Negative	0.23
683	Door	Metal	A	Good	Yellow	First	331	Negative	0.4
684	Door	Wood	A	Good	Green	First	331	Negative	0.4
685	Door Frame	Metal	A	Good	Green	First	331	Negative	0.15
686	Wall	Block	A	Good	White	First	331	Negative	0.04
687	Wall	Partition	B	Good	White	First	335	Negative	0.01
688	Door Frame	Metal	B	Good	Brown	First	335	Negative	0.09
689	Column	Metal	B	Good	Brown	First	339	Negative	0.02
690	Door Frame	Metal	B	Good	Brown	First	341	Negative	0.06
691	Wall	Partition	B	Good	White	First	341	Negative	0.03
692	Wall	Drywall	D	Good	White	First	341	Negative	0
693	Window Frame	Metal	A	Good	Brown	First	341	Negative	0
694	Wall	Block	C	Good	White	First	344	Negative	0.09
695	Wall	Drywall	D	Good	White	First	344	Negative	0.01
696	Door	Metal	D	Good	White	First	344	Negative	0
697	Door Frame	Metal	D	Good	White	First	344	Negative	0
698	Window Sill	Metal	D	Good	Black	First	344	Negative	0
699	Door Frame	Metal	A	Good	Brown	First	345	Negative	0

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
700	Wall	Drywall	A	Good	White	First	345	Negative	0
701	Pipe	Metal	B	Good	Yellow	First	349	Negative	0.07
702	Wall	Block	A	Good	White	First	349	Negative	0.06
703	Floor	Concrete	A	Good	Gray	First	349	Negative	0.01
704	Ladder	Metal	D	Good	White	First	349	Negative	0.05
705	Column	Metal	C	Good	Brown	First	351	Negative	0.03
706	Door Frame	Metal	C	Good	Gray	First	351	Negative	0
707	Wall	Drywall	C	Good	Beige	First	351	Negative	0
708	Wall	Drywall	D	Good	White	First	353	Negative	0
709	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Null	0.9
710	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
711	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
712	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
713	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
714	Wall	Drywall	A	Good	Blue	First	360	Negative	0.01
715	Wall	Drywall	B	Good	Beige	First	360	Negative	0
716	Wall	Drywall	A	Good	Beige	First	371	Negative	0.06
717	Door Frame	Metal	A	Good	Beige	First	371	Negative	0
718	Wall	Drywall	B	Good	Beige	First	363	Negative	0
719	Door Frame	Metal	C	Good	Beige	First	363	Negative	0
720	Door Frame	Metal	B	Good	Beige	First	381	Negative	0.22
721	Wall	Drywall	B	Good	Beige	First	381	Negative	0
722	Door	Metal	D	Good	Brown	First	381	Negative	0
723	Door	Metal	D	Good	Brown	First	392	Negative	0.27
724	Door Frame	Metal	D	Good	Brown	First	392	Negative	0
725	Wall	Drywall	D	Good	White	First	392	Negative	0.02
726	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
727	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
728	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
729	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**3.37**
730	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
731	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
732	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
733	Wall	Drywall	C	Good	White	First	409	Negative	0
734	Door	Metal	D	Good	Blue	First	409	Negative	0
735	Door Frame	Metal	D	Good	Blue	First	409	Negative	0
736	Door Frame	Metal	A	Good	Green	First	410	Negative	0.12
737	Door	Metal	A	Good	Green	First	410	Negative	0.14
738	Wall	Block	A	Good	Beige	First	410	Negative	0.06
739	Wall	Block	A	Good	Blue	First	412	Negative	0
740	Wall	Block	A	Good	White	First	412	Negative	0.02
741	Door	Metal	A	Good	Blue	First	412	Negative	0
742	Door Frame	Metal	A	Good	Blue	First	412	Negative	0
743	Wall	Ceramic	D	Good	Blue	First	412	Negative	0.14
744	Wall	Part	A	Good	White	First	420	Negative	0
745	Door Frame	Metal	A	Good	Brown	First	420	Negative	0.09
746	Door Frame	Metal	A	Good	Brown	First	419	Negative	0.08
747	Door	Metal	A	Good	Brown	First	419	Negative	0.4
748	Gate	Metal	A	Poor	Black	First	Outside	Negative	0.06

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
749	Gate	Metal	A	Poor	Black	First	Outside	Negative	0.03
750	Sign Post	Concrete	A	Good	White	First	Outside	Negative	0.01
751	Bollard	Concrete	B	Good	Yellow	First	Outside	Negative	0.08
752	**Bollard**	**Metal**	**B**	**Poor**	**Yellow**	**First**	**Outside**	**Positive**	**3.2**
753	Handrail	Metal	B	Poor	Black	First	Outside	Negative	0.14
754	Door	Metal	B	Good	Brown	First	Outside	Negative	0
755	Door Frame	Metal	B	Good	Brown	First	Outside	Negative	0
756	Wall	Block	B	Good	Beige	First	Outside	Null	0.5
757	Wall	Block	B	Good	Beige	First	Outside	Null	0
758	Wall	Block	B	Good	Beige	First	Outside	Negative	0.3
759	Door Frame	Metal	B	Good	White	First	Outside	Negative	0
760	Wall	Metal	B	Good	Beige	First	Outside	Negative	0
761	Curb	Concrete	B	Good	Yellow	First	Outside	Negative	0
762	Fascia	Wood	B	Poor	Pink	First	Outside	Null	0
763	Fascia	Wood	B	Poor	Pink	First	Outside	Negative	0
764	Brace	Wood	B	Poor	White	First	Outside	Negative	0.01
765	Gate	Metal	B	Poor	Beige	First	Outside	Null	0.01
766	Gate	Metal	B	Poor	Beige	First	Outside	Negative	0
767	Light Pole	Metal	B	Poor	White	First	Outside	Negative	0
768	Sign	Metal	B	Poor	Gray	First	Outside	Negative	0
769	Handrail	Metal	C	Poor	Green	First	Outside	Negative	0
770	Door	Metal	A	Poor	Beige	First	Outside	Negative	0.02
771	Door Frame	Metal	A	Poor	Beige	First	Outside	Negative	0.04
772	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
773	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
774	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
Dorsey Signal Shop									
116	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**3.39**
117	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1**
118	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
119	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
120	Wall	Block	C	Good	White	First	Office	Negative	0
121	Door Frame	Metal	C	Good	Gray	First	Office	Negative	0.03
122	Cabinet	Wood	C	Good	Yellow	First	Office	Negative	0
123	Floor	Concrete	C	Good	Red	First	Office	Negative	0.03
124	Door	Metal	B	Good	Gray	First	Office	Negative	0
125	Door Frame	Metal	B	Good	Gray	First	Office	Negative	0.04
126	Ceiling	Drywall	B	Good	White	First	Office	Negative	0
127	Wall	Drywall	D	Good	White	First	Bathroom	Negative	0
128	Door	Wood	D	Good	White	First	Bathroom	Negative	0
129	Door Frame	Wood	D	Good	White	First	Bathroom	Negative	0
130	Sink	Porcelain	A	Good	White	First	Bathroom	Negative	0.01
131	Door	Metal	A	Good	Gray	First	Outside	Negative	0
132	Door Frame	Metal	A	Good	Gray	First	Outside	Negative	0.02
133	Wall	Block	A	Good	White	First	Outside	Negative	0.05
134	Panel Box	Metal	D	Poor	White	First	Outside	Negative	0.02
135	Door	Metal	C	Poor	White	First	Outside	Negative	0
136	Door Frame	Metal	C	Poor	White	First	Outside	Negative	0

Table 3-2
Summary of XRF Testing Results
9250 Bendix Road
Columbia, Maryland

No.	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC (mg/cm^2)
137	Door Frame	Metal	B	Poor	White	First	Outside	Negative	0.01
138	Door	Metal	B	Poor	White	First	Outside	Negative	0
139	Fascia	Wood	D	Poor	White	First	Outside	Negative	0.01
140	Fascia	Wood	A	Poor	White	First	Outside	Negative	0.11
141	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.2**
142	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**
143	**Calibrate**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**N/A**	**Positive**	**1.1**

TABLE 3-3

SUMMARY OF PCBS, MERCURY, AND HAZARDOUS CONTAINING MATERIALS

Table 3-3
Summary of PCBs, Mercury, and Hazardous Containing Materials
9250 Bendix Road
Columbia, Maryland

Room Number	Number of Ballasts	Number of Bulbs	Hg Ampules	Refrigerant	PCB's	Exit Signs	Fire Extinguishers (ABC)	Other Hazmat
Dorsey Building								
1	8	24	1	0	Assumed	1	0	Oil, Paint, Battery
2.1	8	16	0	0	0	0	0	None
2.2	3	6	0	0	0	0	0	None
3	4	12	0	0	Assumed	0	0	Light Bulbs, Propane Tank, Misc. Supplies, Paint
4	3	6	0	4	0	0	24	None
5	8	24	0	0	0	0	0	Spray Paint
6	6	18	0	0	0	0	0	None
7	3	9	0	0	0	0	0	None
8	3	9	0	0	0	0	0	None
9	2	6	1	2	0	0	1	Ice Melt
10	2	6	0	0	0	1	1	None
11	11	33	0	3	0	0	1	None
12.1	4	8	1	1	0	0	1	None
12.2	3	6	0	0	0	0	0	None
13	4	12	0	0	0	0	0	None
14	1	2	0	0	0	0	0	None
15	2	6	0	0	0	0	0	None
16	1	2	0	0	0	0	0	None
17	0	0	0	0	0	0	0	None
18	5	10	0	0	0	0	1	Class 2 Flammable Gas Cylinder, Spare Fluorescent Bulbs
19	4	8	0	0	0	0	0	None
20	8	24	1	1	0	0	2	None
21	44	132	0	1	0	2	0	None
22	5	15	0	0	0	0	0	None
23	3	9	0	0	0	0	0	None
24	4	12	0	0	0	0	0	None
25	4	12	0	0	0	0	0	None
26	4	12	0	0	0	0	0	None
27	15	45	0	0	0	0	0	None
28	3	9	0	0	0	0	0	None
29	2	6	0	0	0	0	0	None
30	6	18	0	0	0	1	0	None
31	4	12	0	0	0	0	0	None
32	4	12	0	0	0	0	0	None
33	3	9	0	0	0	0	0	None
34	4	11	0	0	0	0	0	None
35	4	12	0	0	0	0	0	None
36	2	6	0	2	0	0	1	None
37	2	6	0	0	0	0	0	None
38	17	51	0	0	0	1	0	None
39	4	12	0	0	0	0	0	None
40	4	12	0	0	0	0	0	None
41	4	12	0	0	0	0	0	None
42	2	6	0	0	0	0	0	None
43	7	14	0	0	0	0	0	None
44	7	21	0	0	0	0	0	None
45	7	21	0	0	0	2	0	None
46	3	9	0	0	0	0	0	None
47	3	9	0	0	0	0	0	None
48	3	9	0	0	0	0	0	None
49	3	9	0	0	0	0	0	None
50	1	3	0	1	0	0	0	None
51	6	18	0	0	0	0	0	None
52	11	33	0	0	0	2	1	None
53	9	27	0	0	0	1	1	None
54	4	12	0	0	0	0	0	None
55	2	2	0	0	0	0	0	None
56	3	9	0	0	0	0	0	None
57	3	6	0	0	0	0	0	None
58	2	6	0	0	0	1	2	None
59	11	33	0	0	0	0	0	None
60	25	75	0	0	0	0	1	None
61	3	9	0	0	0	0	0	None
62	30	90	0	0	0	0	1	None
63	15	45	0	0	0	0	0	None
64	20	60	0	0	0	1	0	None
65	2	6	0	0	0	0	0	None
66	2	6	0	0	0	0	0	None

Table 3-3
Summary of PCBs, Mercury, and Hazardous Containing Materials
9250 Bendix Road
Columbia, Maryland

Room Number	Number of Ballasts	Number of Bulbs	Hg Ampules	Refrigerant	PCB's	Exit Signs	Fire Extinguishers (ABC)	Other Hazmat
67	2	6	0	0	0	0	0	None
68	2	6	0	0	0	0	0	None
69	8	24	0	0	0	1	0	None
70	2	6	0	0	0	0	0	None
71	53	159	0	1	0	0	0	None
72	7	21	0	0	0	0	0	None
73	2	8	0	0	0	0	0	None
74	28	93	0	2	0	1	1	None
75	2	6	0	0	0	0	0	None
76	4	12	0	0	0	0	0	None
77	5	15	0	0	0	0	0	None
78	5	15	0	1	0	0	0	None
79	9	27	0	6	0	0	1	Non Flammable Gas Cylinder
80	3	9	0	0	0	1	0	n
81	17	51	0	0	0	0	0	None
82	41	123	0	0	0	0	0	None
83	45	139	0	1	0	Yes	0	Exit Sign Storage Area
84	20	60	0	0	0	1	0	Ice Melt
85	4	12	0	0	0	0	0	None
86	1	4	0	0	0	0	0	None
87	10	30	0	0	0	0	0	Radioactive Storage, Flammable Storage Locker
88	2	6	0	0	0	0	0	Fluorescent Bulb Storage
89	12	24	1	0	0	0	0	Ice Melt
90	1	3	0	16	0	0	0	None
91	2	6	0	0	0	0	0	None
92	2	6	0	0	0	0	0	Compresses Oxygen Cylinder
93	9	27	0	0	0	0	0	None
94	71	213	0	0	0	0	5	None
95	6	18	0	3	0	0	1	None
96	16	48	0	1	0	0	0	HVAC Lubricant, Paint, Cleaners, Ice Melt
97	19	57	0	0	0	1	1	None
98	6	18	0	0	0	0	0	None
99	13	39	0	2	0	1	1	None
100	6	18	0	0	0	0	0	None
101	6	18	0	0	0	0	0	None
102	20	60	0	1	0	3	1	None
103	6	18	0	0	0	1	0	None
104	1	3	0	0	0	0	0	None
105	14	42	0	0	0	0	0	None
106	74	222	0	2	0	0	1	None
107	5	15	0	0	0	0	0	None
108	5	15	0	0	0	1	0	None
109	10	30	0	0	0	1	0	None
110	1	3	0	2	0	0	0	None
111	2	6	0	0	0	0	0	None
112	3	9	0	0	0	0	0	None
113	3	9	0	0	0	0	0	None
114	4	12	0	0	0	0	0	None
115	2	6	0	0	0	0	0	None
116	3	9	0	0	0	1	0	None
117	2	6	0	0	0	0	0	None
118	0	0	0	0	0	0	0	None
119	4	12	0	1	0	0	0	None
120	12	36	4	1	0	0	0	None
121	6	18	0	0	0	0	0	None
122	1	3	0	0	0	0	0	None
123	1	3	0	0	0	0	0	None
124	2	6	0	0	0	0	0	None
125	3	9	0	0	0	0	0	None
126	1	3	0	0	0	1	0	None
127	4	12	0	0	0	0	0	None
128	3	9	0	0	0	0	0	None
129	4	12	0	0	0	0	0	None
130	2	6	0	0	0	0	0	None
131	2	6	0	0	0	0	0	None
132	12	42	1	1	0	3	1	None
133	13	39	0	0	0	0	0	None
134	4	12	0	0	0	0	0	None
135	2	6	0	0	0	0	0	None

Table 3-3
Summary of PCBs, Mercury, and Hazardous Containing Materials
9250 Bendix Road
Columbia, Maryland

Room Number	Number of Ballasts	Number of Bulbs	Hg Ampules	Refrigerant	PCB's	Exit Signs	Fire Extinguishers (ABC)	Other Hazmat
136	2	6	0	0	0	0	0	None
137	2	6	0	0	0	0	0	None
138	2	6	0	0	0	0	0	None
139	2	6	0	0	0	0	0	None
140	2	6	0	0	0	0	0	None
141	2	6	0	0	0	0	0	None
142	2	6	0	0	0	0	0	None
143	2	6	0	0	0	0	0	None
144	3	9	0	0	0	3	0	None
145	1	3	0	2	Assumed	0	0	None
146	13	39	0	0	0	0	0	None
147	2	6	0	0	0	0	0	None
148	2	6	0	0	0	0	0	None
149	4	12	0	0	0	0	0	None
150	6	18	0	0	0	0	0	None
151	4	12	0	0	0	0	0	None
152	4	12	0	0	0	0	0	None
153	2	6	0	0	0	0	0	None
154	24	72	0	2	0	0	0	None
155	2	8	0	0	0	0	0	None
156	4	16	0	0	0	0	0	None
157	2	6	0	0	0	0	0	None
158	4	12	0	0	0	0	0	None
159	4	12	0	0	0	0	0	None
160	2	6	0	0	0	0	0	None
161	3	9	0	0	0	0	0	None
162	2	6	0	0	0	0	0	None
163	2	6	0	0	0	0	0	None
164	2	6	0	0	0	0	0	None
165	1	3	0	0	0	0	1	None
166	1	3	0	0	0	0	0	None
167	8	24	0	0	0	0	0	None
168	10	30	0	0	0	0	0	None
169	6	18	0	0	0	0	0	None
170	7	24	0	0	0	0	0	None
171	4	12	0	0	0	0	1	None
172	4	12	0	2	0	Yes	1	None
173	2	6	0	0	0	0	0	None
174	3	9	0	0	0	0	0	None
175	3	9	0	0	0	0	0	None
176	1	3	0	0	0	0	0	None
177	9	27	0	0	0	0	0	None
178	2	6	0	0	0	0	0	None
179	2	6	0	0	0	0	0	None
180	62	186	0	2	0	0	1	None
181	2	6	0	0	0	0	0	None
182	2	6	0	0	0	0	0	None
183	1	3	0	0	0	0	0	None
184	2	6	0	0	0	0	0	None
185	2	6	0	0	0	0	0	None
186	2	6	0	0	0	0	0	None
187	12	36	0	0	0	0	0	None
188	2	6	0	0	0	0	0	None
189	2	6	0	0	0	0	0	None
190	2	6	0	0	0	0	0	None
191	4	12	0	0	0	0	0	None
192	2	6	0	0	0	0	0	None
193	24	72	0	0	0	2	0	None
194	2	6	0	0	0	0	0	None
195	4	12	0	0	0	0	0	None
196	2	6	0	0	0	0	0	None
197	2	6	0	0	0	0	0	None
198	18	54	0	0	0	1	0	None
199	1	3	0	0	0	0	0	None
200	2	6	0	2	0	0	1	None
201	29	87	1	2	0	2	1	None
202	64	192	0	1	0	0	1	None
203	2	6	0	0	0	0	0	None
204	2	6	0	0	0	0	0	None
205	2	6	0	1	0	0	0	None
206	2	6	0	0	0	0	0	None

Table 3-3
Summary of PCBs, Mercury, and Hazardous Containing Materials
9250 Bendix Road
Columbia, Maryland

Room Number	Number of Ballasts	Number of Bulbs	Hg Ampules	Refrigerant	PCB's	Exit Signs	Fire Extinguishers (ABC)	Other Hazmat
207	4	12	0	0	0	0	0	None
208	2	6	0	0	0	0	0	None
209	2	6	0	0	0	0	0	None
210	6	18	0	0	0	0	0	None
211	2	6	0	0	0	0	0	None
212	2	6	0	0	0	0	0	None
213	3	9	0	1	0	0	0	None
214	1	3	0	0	0	0	0	None
215	15	45	1	0	0	0	2	None
216	2	6	0	0	0	0	0	None
217	2	6	0	0	0	0	0	None
218	2	6	0	0	0	0	0	None
219	2	6	0	0	0	0	0	None
220	2	6	0	2	0	0	1	None
221	2	6	0	0	0	0	0	None
222	2	6	0	1	0	0	0	None
223	4	16	0	0	0	0	0	None
224	2	6	0	0	0	0	0	None
225	2	6	0	0	0	0	0	None
226	2	6	0	0	0	0	0	None
227	2	6	0	0	0	0	0	None
228	2	6	0	2	0	0	0	None
229	2	6	0	0	0	0	0	None
230	2	6	0	0	0	0	0	None
231	5	15	0	0	0	0	0	None
232	1	3	0	0	0	0	0	None
233	1	4	0	0	0	0	0	None
234	15	45	0	1	0	1	0	None
235	1	3	0	0	0	0	0	None
236	2	6	0	0	0	0	0	None
237	2	6	0	0	0	0	0	None
238	1	3	0	0	0	0	0	None
239	24	72	0	0	0	2	3	None
240	6	12	0	0	0	0	1	None
241	0	0	0	0	0	0	0	None
242	4	12	0	0	0	0	0	None
243	4	12	0	0	0	0	0	None
244	4	12	0	0	0	0	0	None
245	4	12	0	1	0	0	0	None
246	4	12	0	0	0	0	0	None
247	4	12	0	0	0	0	0	None
248	4	12	0	0	0	0	0	None
249	4	12	0	0	0	0	0	None
250	4	12	0	0	0	0	0	None
251	4	12	0	0	0	0	0	None
252	4	12	0	0	0	0	0	None
253	4	12	0	0	0	0	0	None
254	4	12	0	0	0	0	0	None
255	4	12	0	0	0	2	0	None
256	2	4	0	0	0	0	0	None
257	4	12	0	0	0	0	0	None
258	2	6	0	0	0	0	0	None
259	2	6	0	0	0	0	0	None
260	0	0	0	0	0	0	0	None
261	22	66	0	6	0	0	0	Liquid Fire Suppressant, Wall Thermometer
262	0	0	0	1	0	0	0	Thermometer for Walk in Freezer
263	7	14	0	0	0	0	0	None
264	8	36	0	0	0	0	0	None
265	1	3	0	0	0	0	0	None
266	4	12	0	0	0	0	0	None
267	3	9	0	0	0	0	0	None
268	1	3	0	0	0	0	0	None
269	4	12	0	0	0	0	0	None
270	1	3	0	0	0	0	0	None
271	2	6	0	0	0	0	0	None
272	2	6	0	0	0	0	0	None
273	8	24	0	3	0	0	0	None
274	24	72	0	1	0	1	1	None
275	4	12	0	0	0	0	0	None
276	2	6	0	0	0	0	0	None

Table 3-3
Summary of PCBs, Mercury, and Hazardous Containing Materials
9250 Bendix Road
Columbia, Maryland

Room Number	Number of Ballasts	Number of Bulbs	Hg Ampules	Refrigerant	PCB's	Exit Signs	Fire Extinguishers (ABC)	Other Hazmat
277	3	9	0	0	0	0	0	None
278	2	6	0	0	0	0	0	None
279	2	6	0	0	0	0	0	None
280	2	6	0	0	0	0	0	None
281	2	6	0	0	0	0	0	None
282	2	6	0	0	0	0	0	None
283	2	6	0	0	0	0	0	None
284	2	6	0	0	0	0	0	None
285	2	6	0	0	0	0	0	None
286	2	6	0	0	0	0	0	None
287	2	6	0	0	0	0	0	None
288	2	6	0	0	0	0	0	None
289	2	6	0	0	0	0	0	None
290	2	6	0	0	0	0	0	None
291	6	18	0	1	0	0	0	None
292	12	36	0	0	0	0	0	None
293	12	36	0	0	0	0	0	None
294	12	36	0	0	0	0	0	None
295	23	69	0	0	2	2	0	None
296	9	27	0	2	0	0	0	None
297	9	27	0	0	0	0	0	None
298	8	24	0	0	0	0	0	None
299	3	9	0	1	0	0	0	None
300	3	9	0	0	0	0	0	None
301	3	9	0	0	0	0	0	None
302	3	9	0	0	0	0	0	None
303	3	9	0	0	0	0	0	None
304	3	9	0	0	0	0	0	None
305	3	9	0	0	0	0	0	None
306	3	9	0	0	0	0	0	None
307	3	9	0	0	0	0	0	None
308	3	9	0	0	0	0	0	None
309	3	9	0	0	0	0	0	None
310	3	9	0	0	0	0	0	None
311	8	24	0	1	0	0	0	None
312	2	6	0	0	0	0	0	None
313	12	36	0	0	0	0	0	None
314	2	6	0	0	0	0	0	None
315	2	6	0	0	0	0	0	None
316	2	6	0	0	0	0	0	None
317	19	57	0	0	0	3	3	None
318	2	6	0	0	0	0	0	None
319	2	6	0	0	0	0	0	None
320	2	6	0	0	0	0	0	None
321	6	18	0	0	0	0	0	None
322	15	45	0	0	0	0	0	None
323	2	9	0	0	0	1	1	None
324	14	42	0	0	0	1	0	None
325	0	0	0	0	0	0	0	None
326	6	18	0	0	0	0	0	None
327	3	6	0	0	0	0	0	Paint Locker
328	3	9	0	0	0	0	0	None
329	2	6	0	0	0	0	0	None
330	2	6	0	0	0	0	0	None
331	20	40	0	1	0	1	1	None
332	1	4	0	0	0	0	0	None
333	5	13	0	0	0	0	0	None
334	2	6	0	0	0	0	0	None
335	7	21	0	0	0	0	0	None
336	2	6	0	0	0	0	0	None
337	4	10	0	0	0	0	0	None
338	2	6	0	0	0	0	0	None
339	15	45	0	0	0	0	0	None
340	2	6	0	0	0	0	0	None
341	5	15	0	0	0	0	1	None
342	5	15	0	0	0	0	0	None
343	1	2	0	0	0	0	1	None
344	16	48	0	3	0	0	0	None
345	5	15	0	0	0	0	0	None
346	2	6	0	0	0	0	0	None
347	4	12	0	0	0	0	0	None

Table 3-3
Summary of PCBs, Mercury, and Hazardous Containing Materials
9250 Bendix Road
Columbia, Maryland

Room Number	Number of Ballasts	Number of Bulbs	Hg Ampules	Refrigerant	PCB's	Exit Signs	Fire Extinguishers (ABC)	Other Hazmat
348	3	9	0	0	0	0	0	None
349	1	2	0	0	0	0	0	None
350	35	105	0	1	0	0	0	None
351	54	162	0	0	0	0	1	None
352	2	4	0	0	0	0	0	None
353	1	2	0	0	0	0	0	None
354	2	4	0	1	0	0	1	None
355	5	20	0	2	0	0	0	None
356	2	8	0	0	0	0	0	Carbon Dioxide Cylinder
357	7	21	0	0	0	0	0	None
358	4	12	0	0	0	0	0	None
359	4	8	0	0	0	0	0	None
360	0	0	0	0	0	0	0	None
361	2	6	0	0	0	0	0	None
362	9	27	0	0	0	0	0	None
363	9	27	0	1	0	0	0	None
364	8	24	0	0	0	0	0	None
365	4	12	0	0	0	0	0	None
366	4	12	0	0	0	0	0	None
367	4	12	0	0	0	0	0	None
368	4	12	0	0	0	0	0	None
369	8	24	0	0	0	0	0	None
370	1	2	0	0	0	0	0	None
371	11	33	0	1	0	0	0	None
372	4	12	0	0	0	0	0	None
373	2	6	0	0	0	0	0	None
374	0	0	0	0	0	0	0	None
375	2	6	0	0	0	0	0	None
376	2	6	0	0	0	0	0	None
377	2	6	0	0	0	0	0	None
378	4	12	0	0	0	0	0	None
379	2	6	0	0	0	0	0	None
380	4	12	0	1	0	0	2	None
381	14	28	0	0	0	3	1	None
382	48	192	0	0	0	2	0	None
383	27	81	0	0	0	0	1	None
384	3	9	0	0	0	0	0	None
385	4	12	0	0	0	0	0	Batteries
386	10	30	0	0	0	0	0	None
387	6	18	0	0	0	0	0	None
388	2	6	0	1	0	0	0	None
389	2	6	0	0	0	0	0	None
390	5	15	0	0	0	0	0	None
391	47	144	0	1	0	0	2	None
392	9	27	0	0	0	0	0	None
393	2	6	0	0	0	0	0	None
394	2	6	0	0	0	0	0	None
395	2	6	0	0	0	0	0	Cleaners
396	2	6	0	0	0	0	0	None
397	1	3	0	1	0	0	0	None
398	4	12	0	0	0	0	0	None
399	3	9	0	0	0	0	0	None
400	2	6	0	0	0	0	0	None
401	2	6	0	0	0	0	0	None
402	2	6	0	0	0	0	0	None
403	2	6	0	1	0	0	0	None
404	4	12	0	0	0	0	0	None
405	2	6	0	1	0	0	0	None
406	2	6	0	0	0	0	0	None
407	15	45	0	0	0	0	0	None
408	2	6	0	0	0	0	0	None
409	23	92	0	0	0	0	0	None
410	6	12	0	0	0	0	1	None
411	7	14	1	0	0	0	1	None
412	3	9	0	0	0	1	1	None
413	7	21	0	0	0	0	0	None
414	9	27	0	0	0	0	0	None
415	3	9	0	0	0	1	0	None
416	11	33	0	0	0	2	0	None
417	11	33	0	0	0	2	0	None
418	5	15	0	0	0	0	0	None

Table 3-3
Summary of PCBs, Mercury, and Hazardous Containing Materials
9250 Bendix Road
Columbia, Maryland

Room Number	Number of Ballasts	Number of Bulbs	Hg Ampules	Refrigerant	PCB's	Exit Signs	Fire Extinguishers (ABC)	Other Hazmat
419	3	9	0	1	0	0	2	None
420	5	15	0	0	0	0	0	None
421	8	16	0	0	0	0	0	None
422	1	4	0	0	0	0	0	None
423	0	0	0	0	0	0	0	None
424	0	0	0	0	0	0	0	None
425	2	6	0	1	0	0	1	None
426	0	0	0	0	0	0	0	None
427	1	3	0	0	0	0	0	None
428	3	9	0	0	0	0	0	None
429	2	6	0	0	0	0	0	None
Signal Shop								
1	9	9	1	2	0	1	2	Batteries
2	3	9	0	0	0	0	0	Paint
3	1	4	0	0	Assumed	0	0	None
4	2	6	0	0	0	1	0	None