ETENVIRONMENTAL
CORPORATION

KINGSBRIDGE ARMORY ROOF REHABILITATION PROJECT
ATTACHMENT A
ENVIRONMENTAL SURVEY REPORT PREPARED BY ATC



Kingsbridge Armory Roof
29 West Kingsbridge Road
Bronx, New York

Environmental Survey of:	KINGSBRIDGE ARMORY 29 WEST KINGSBRIDGE ROAD BRONX, NY 10468
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EXECUTIVE SUMMARY

ATC Associates Inc. was contracted by ET Environmental Corp. to conduct a survey of the Kingsbridge Armory 29 West Kingsbridge Road, Bronx, NY. The intent was to identify asbestos containing materials, lead containing and/or lead based paints and coatings, mercury containing switches or lamps, suspect PCB (polychlorinated biphenyls) or DEHP (Di (2-ethylhexyl) phathatlate) containing light ballasts, storage tanks and stored or abandoned materials at the facility.

The survey identified an estimated fourteen thousand two hundred sixty (14,260) feet of thermal system insulation (piping, cementitious joints), thirty-three thousand six hundred sixty (33,660) square feet of flooring materials (floor tiles, linoleum) and two-hundred thirty-five thousand (235,000) square feet of roofing materials (2-tab shingles, built-up roofing, mastics). Additionally, glazing associated with the windows (interior and exterior) and caulking material associated with windows and exterior joints, seams and cracks was identified as asbestos containing materials. Plaster surfaces primarily walls and ceilings were tested throughout the armory and were determined to **not** be an asbestos containing material.

The survey confirmed lead at detectable levels and above for each substrate as follows; 59% of brick, 45% concrete, 73% metal, 89% plaster and 56% wood. Substrates were distinguished by and identified by the exposed coating color. However, variance of lead results within a single testing combination particularly gray painted concrete substrate indicate that the lead containing layer(s) occur below the exposed common layer. Therefore, the generally poor condition of painted surfaces combined with the inability to distinguish painted components by the exposed color all paint should be considered lead containing for purposes of OSHA compliance, waste stream management and environmental dust control.

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No mercury containing switches were observed. Ballasts inspected at various locations of the Armory were found to be not labeled as to content or in poor condition, therefore all ballasts were considered PCB or DEHP containing. An estimated six hundred fifty (650) light fixtures, one thousand two hundred fifty (1,250) bulbs/tubes, seven hundred (700) ballasts and one hundred nine (109)metal halide lights were observed. All PCB/DEHP-contaminated materials should be incinerated, mercury containing lighting lamps, such as: Fluorescent, Mercury Vapor, and High Intensity Discharge lamps (including Metal Halide lamps, High Pressure Sodium lamps, and Low Pressure Sodium lamps) should be disposed through a complete recycling process.

The visual inspection of the Armory grounds indicated that at least four underground storage tanks existed at one time as determined by identified vent pipes and fill ports. Regulatory database review identified five underground storage tanks and two aboveground storage tanks associated with the Armory. An electro-magnetic survey of suspect areas indicated that two buried tanks might exist in the garage parking area. Presumably, these could be the closed tanks identified as tank 1 –diesel and tank 2- unleaded gasoline. Additionally, the survey identified seven additional aboveground 275-gallon storage tanks in the basement not identified in the regulatory database. Tanks 1 and 2 appear to have been closed and abandoned in place, which can be verified by test pits. Additional investigation is required to ascertain the disposition of tanks 3 through 7. The seven aboveground storage tanks identified by the survey need to be examined/tested for product type, content and eventual disposition.

Throughout the Armory, various paints, solvents and maintenance products were observed that would require consolidation and disposal. Abandoned refrigeration/air conditioner units may contain CFC compounds and require reclamation prior to disposal. Several animal/bird carcasses and small quantities of avian excreta were observed in localized areas, disturbance of these items would require personal protective equipment.

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INTRODUCTION

ATC Associates Inc. was contracted by ET Environmental Corp. to conduct a survey of the Kingsbridge Armory 29 West Kingsbridge Road, Bronx, NY. The intent was to identify asbestos containing materials, lead containing and/or lead based paints and coatings, mercury containing switches or lamps, suspect PCB (polychlorinated biphenyls) or DEHP (Di (2-ethylhexyl) phathatlate) containing light ballasts, storage tanks and stored or abandoned materials at the Kingsbridge Armory.

Messrs James Ruchalski and Jay Dupay of ATC performed the asbestos survey. Mr. Dupay holds certifications from the New York City Department of Environmental Protection as an Asbestos Investigator and the New York State Department of Labor as an Asbestos Inspector and will be the inspector of record for all filings. Mr. Ruchalski holds certification from the New York State Department of Labor as an Asbestos Inspector. Mr. Richard Edwards and Maraina Medinets performed the XRF survey. The survey was performed from July 24 through August 22, 2000.

STANDARDS OF CARE

ATC Associates Inc.'s work was performed in a professional manner with the best interest of our client in mind. Our objective was to perform our work with care, exercising the customary skills and competence of consulting professionals in the relevant disciplines. The conclusions presented in this report are professional opinions based upon visual observations of the site and laboratory results from samples collected and analyzed.

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The opinions and recommendations presented herein apply to site conditions existing at the time of our observations. ATC Associates Inc. cannot act as insurers, and no expressed or implied representation or warrant is included or intended in our report except that our work was performed, within the limits prescribed by our clients, with the customary thoroughness and competence of our profession at the time and place the services were rendered. This report is designed to generally identify the accessible recognized environmental materials identified in the introduction at the facility

ASBESTOS – SURVEY

Guidelines used for the survey were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, Doc 560/5-85-024, and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA).

Field information was organized in accordance with the AHERA methodology of homogenous area (HA). During the survey, reasonable effort was made to identify all locations and types of ACM materials associated with the scope of work. Multiple samples of homogeneous materials were chosen at random. However, due to inconsistencies of a manufacturer's processes and the contractor's installation methods, materials of similar construction may contain various amounts of asbestos. Further, some materials that were not originally specified to contain asbestos may in fact contain this mineral. For example, cementitious pipe insulation and plaster were frequently mixed with asbestos at the construction site for ease of application. Locating all asbestos materials can only be definitively achieved by conducting exploratory demolition and sampling every section of pipe insulation, fitting or valve covering, fireproofing, and other suspect ACM.

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Bulk samples of suspect ACM were analyzed using polarized light microscopy (PLM) coupled with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAP). NESHAP is the standard industry protocol for the determination of asbestos in building materials. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The color displays that result is compared to a standardized atlas whereby the specific variety of asbestos is determined. It should also be recognized that PLM is primarily a qualitative identification method whereby asbestos percentage, if any, is estimated. While EPA, New York State; and New York City regulations governing ACM consider materials containing greater than 1-percent as asbestos, accurately quantifying asbestos content below 5-percent has been shown to be unreliable. Without additional and more sophisticated analysis, using transmission electron microscopy (TEM), a 1-percent content or less of asbestos in a building material sample may still result in an exposure or possible respiratory hazard should the material be indiscriminately demolished. Therefore, for identification and appropriate asbestos management, ATC recommends that any detected asbestos in a suspect material using PLM be considered asbestos. For those materials revealing no asbestos using PLM, TEM analysis should be conducted for confirmation.

The New York State Department of Health has revised the PLM Stratified Point Counting Method. The new method, "Polarized Light Microscopy Methods for Identifying and Quantifying Asbestos in Bulk Samples" can be found as item 198.1 in the Environmental Laboratory Approval program (ELAP) Certification manual. The method specifies a procedure of analysis for bulk samples that fall into the category of "Non-friable Organically Bound" (NOB). This category includes any sample in a flexible to rigid asphalt or vinyl matrix (floor tiles, mastic, roofing shingles, roofing felt, etc.). Additional materials that may fall into this category are textured paints and stucco, pipe valve and joint packing, and a variety of other applications. These samples must be "ashed" in a muffle furnace at 480-degrees Celsius (to remove organic matrix), treated with acid (to remove any mineral carbonate), and filtered through a 0.4-micron filter before being analyzed by PLM. The sample must be weighted between each of these steps to track the percent loss of organic matrix.

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ELAP has determined that analysis of NOB materials is not reliably performed by PLM. Therefore, if PLM yields results of 1-percent asbestos or less, the result must be confirmed by TEM. Bulk samples that undergo TEM analysis use the sample reduction methodology stated above for NOB analysis by PLM. ELAP certified laboratories must include the following statement with their PLM analysis results for each "inclusive" (1-percent or less asbestos) NOB sample: "Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Before this material can be considered or treated as non-ACM, confirmation must be made by quantitative transmission electron microscopy".

Selected samples initially analyzed by Polarized Light Microscopy which yielded a negative PLM result and which are classified as a "non-friable" material, were then re-analyzed utilizing Transmission Electron Microscopy methodology described above. The laboratory performing both these analysis procedures was ATC Associates Inc., located at 104 East 25th Street, New York, New York. The following laboratory accreditation's are included in Appendix C:

- National Voluntary Laboratory Accreditation Program (Lab Code 1187-00)
- New York State Environmental Laboratory Approval Program (Lab No. 10879)
- American Industrial Hygiene Association Accredited Laboratory (Lab No. 7054)

ASBESTOS – SURVEY FINDINGS

Two hundred twenty-five bulk samples were collected from representative homogeneous areas throughout the facility. Tabular summary of bulk samples is located in Appendix A with field data/chain of custody forms in Appendix B. Asbestos sample locations and schematic material drawings are located in Appendix H. Based upon visual inspection of representative materials likely to be impacted by the planned interior demolition and/or renovation and bulk sample laboratory analytical results, the following materials have been identified as **asbestos containing materials [ACM]** (greater than one percent asbestos).

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- 2-tab roof shingle
- Built-up roofing
- Tar paper underlayment
- Roofing mastics/adhesives
- Pitch pockets
- 9" x 9" floor tiles (all colors)
- Sheet linoleum
- Corrugated (aircell) pipe insulation
- Cementitious pipe joint insulation associated with corrugated (aircell) pipe insulation
- magnesia (pre-formed block) pipe insulation
- Cementitious pipe joint insulation associated with magnesia (pre-formed block) pipe insulation
- Cementitious pipe joint insulation associated with fiberglass pipe insulation (National Guard Office only)
- window glazing (interior and exterior)
- Caulking material associated with windows and exterior joints, seams and cracks

Thermal system insulation was identified primarily in exposed readily accessible locations throughout the facility as described below. However, concealed thermal system insulation was observed in interstitial wall spaces associated with bathroom fixtures and the plenum area above suspended plaster ceilings.

Sub-basement	No ACM observed
Basement	TSI located on perimeter steam, hot and cold water lines. Piping in hallways has been abated and replaced with non-ACM insulation.
Basement Mezzanine	TSI located on perimeter steam, hot and cold water lines. TSI located on steam lines parallel to hallway in ammunition storage rooms. Asbestos containing flooring in office areas on southern wall.

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Drill Floor	Perimeter steam and hot and cold water lines. Asbestos containing flooring in office areas along southern wall. Asbestos containing window caulking and glazing on all windows.
Drill Floor Mezzanine	TSI located on steam, hot and cold water lines associated with bathrooms. Asbestos containing flooring in office areas on southern wall.
Second Floor	Perimeter steam and hot and cold water lines. Asbestos containing flooring in office areas along southern wall. Asbestos containing window caulking and glazing on all windows.
Third Floor	Perimeter steam and hot and cold water lines. Asbestos containing flooring in office areas along southern wall. Asbestos containing window caulking and glazing on all windows.
Roofs	Built-up and two tab shingle roofing including underlayment, mastics, flashings and adhesives. Mastics, flashing material, adhesives and caulking on gable ends, clerestory bands and parapets.

The survey identified the following estimated quantities of asbestos containing thermal system insulation (piping, cementitious joints), flooring materials (floor tiles, linoleum) and roofing materials (3-tab shingles, built-up roofing, mastics) within the survey boundaries.

Level	Thermal System Insulation (Linear Feet)	Flooring Material (Square Feet)	Roofing (Square Feet)
Basement	7,410	300	-
Basement Mezzanine	2,275	1,000	-
Drill Floor	3,540	6,460	-
Second Floor	675	17,500	-
Third Floor	210	8,400	-
Fourth Floor	150	-	-
Roofs	-	-	235,000
Totals	**14,260**	**33,660**	**235,000**

A detailed table of asbestos containing materials by area is located in Appendix D.

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Based upon visual inspection of materials determined to be impacted by the renovation program and bulk sample laboratory analytical results, the following materials are identified as **not asbestos containing materials** (less than one- percent asbestos).

- Boiler insulation'
- Breeching insulation
- Gray floor coating – drill floor
- Cementitious pipe joint insulation associated with fiberglass pipe insulation (Main armory building)
- 12" x 12" ceiling tile
- 2' x 2' ceiling tile
- 2' x 4' ceiling tile
- Joint compound
- Wall plaster – brown coat
- Wall plaster – white coat
- Ceiling plaster – brown coat
- Ceiling plaster – white coat
- Brown paper under 3-tab shingle
- Wallboard

LEAD – SURVEY (PAINTED SURFACES)

The objective of this survey was to identify existing lead-based paint on potentially impacted building surfaces during pending renovation/demolition activities. All painted components were not sampled with the XRF; rather, the survey sampled representative painted building substrates and components and based on the results assumptions as to lead content are made in this report. If questions arise as to the lead content in paint found on a specific surface not tested by ATC, additional testing may be required.

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A portable Lead Paint Analyzer manufactured by Radiation Monitoring Devices (RMD) was used to test all accessible painted components. The instrument was operated in accordance with manufacturer's instructions and XRF performance characteristic sheet (PCS). Representative readings were taken from each surface. Three calibration readings were taken before and after testing in the facility to ensure proper instrument operation. XRF results were divided into three categories: positive, inconclusive, and negative as defined by the PCS. According to the revised PCS for the RMD device, inconclusive ranges exist only for metal substrates. If the result was inconclusive, a paint chip sample was collected for laboratory analysis to determine the actual result.

LEAD –SURVEY FINDINGS (PAINTED SURFACES)

One thousand one hundred ninety building surfaces were tested with a portable X-Ray Fluorescence analyzer for lead content. Substrates tested within the Armory were; brick, concrete, metal, plaster, sheetrock, and wood. Substrates were distinguished by and identified by the exposed coating color. Bulk samples collected form the steel arch's on the drill floor confirmed lead content on the arched of between 8.92 and 56.67 %. A tabular summary of XRF survey data and bulk samples is located in Appendix E

Substrate	Shots	Shots >.4	Shots > 1	Percent of components with XRF detectable levels of lead	Percent of components with a Lead based coating
Brick	119	70	67	59%	56%
Concrete	178	80	62	45%	35%
Metal	403	295	238	73%	59%
Plaster	207	184	180	89%	87%
Sheetrock	34	0	0	0%	0%
Wood	249	140	106	56%	43%
Sub-Total	1190	769	653	65%	55%
Calibration	35				
Total	1225				

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LEAD – SURVEY (TARGET RANGES)

Waste classification of the soils/sand identified within the basement rifle and pistol ranges was performed to determine proper handling and storage requirements as well as the disposal location (i.e., either RCRA Subtitle "C" landfill or Construction and Demolition (C&D) Subtitle "D" landfill). Environmental Protection Agency's (EPA) Resource Conservation and Recovery Act (RCRA) mandates that the lead containing media be characterized as either hazardous or non-hazardous waste prior to disposal. The TCLP composite samples were representative of the various materials that constituted the waste stream. The Inspector donned disposable gloves, which were changed prior to the collection of each sample. The material was placed into a ziplock bag, sealed, and labeled with a unique identifier. A minimum of 100 grams of material was collected. A chain of custody form was completed and submitted with the samples to the laboratory.

LEAD – SURVEY FINDINGS (TARGET RANGES)

ATC collected four (4) representative four-point composite samples from the basement shooting ranges. Sample 1 was collected form Pistol Ranges 9 – 16, Sample 2 was collected form Pistol Ranges 1 – 8, Sample 3 was collected from the most recently active portion of the Rifle Ranges, Sample 4 was collected from the abandoned portion of the Rifle Ranges behind the steel back stop. Analytical results indicate that the anticipated waste stream from each of the sampled areas contain levels of leachable lead in excess of RCRA standards. All four samples contained leachable lead above 5ppm.

Sample	Location	Analytical Result)
1	Pistol Range 9 – 16	1,480 ppm
2	Pistol Range 1 – 8	655 ppm
3	Rifle Range (active)	23.9 ppm
4	Rifle Range (abandoned)	5.84 ppm

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Based on TCLP results indicating leachable levels of lead greater than 5 ppm, the waste streams generated by the removal of the soils, sands and other material are characterized as a hazardous lead containing solid waste as defined by RCRA.

FLUORESCENT AND HIGH-INTENSITY DISCHARGE LIGHTING (HID)/BALLASTS

A visual walk-through of the Armory was conducted including examination of typical fixtures to ascertain the approximate quantity of mercury containing switches, lamps and suspect PCB or DEHP containing light ballasts. A drawing identifying approximate room locations and quantities of fixtures, bulbs and ballasts in located in Appendix H. No mercury containing switches were observed. Ballasts inspected at various locations of the Armory were found to be not labeled as to content or in poor condition, therefore all ballasts were considered PCB or DEHP containing. An estimated quantity of light fixtures, bulbs and ballasts is as follows:

Level	FIXTURES	Bulbs/Tubes	Ballasts	Metal Halide Lights
Basement	185	450	300	9
Basement Mezzanine	190	300	145	-
Drill Floor	175	300	145	100
Second Floor	100	200	110	-
Third Floor	-	-	-	-
Fourth Floor	-	-	-	-
Totals	**650**	**1250**	**700**	**109**

The primary concern regarding the disposal of used fluorescent ballasts is the health risk associated with polychlorinated biphenyl's (PCBs). Human exposure to these possible carcinogens can cause skin, liver, and reproductive disorders. Fluorescent and high-intensity discharge (HID) ballasts contain a small capacitor that may contain high concentrations of PCBs (greater than 90% pure PCBs or 900,000 ppm). These chemical compounds were widely used as insulators in electrical equipment such as capacitors, switches, and voltage regulators through the late 1970s.

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The Toxic Substances Control Act (TSCA) was enacted in 1976, and subsequently banned the production of PCBs in the United States. The specific regulations governing the use and disposal of PCBs are found in Volume 40 Code of Federal Regulations (CFR) Part 761.

The proper method for disposing used ballasts depends on several factors, such as the type and condition of the ballasts and the regulations or recommendations in effect in the state(s) where you remove or discard them. TSCA specifies the disposal method for ballasts that are leaking PCBs. In addition, generators of PCB-containing ballast wastes may be subject to notification and liability provisions under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) (also known as "Superfund").

Identifying criteria

- All ballasts manufactured through 1979 contain PCBs.
- Ballasts manufactured after 1979 that do not contain PCBs are labeled "No PCBs."
- If a ballast is not labeled "No PCBs," assume it contains PCBs.

DEHP-CONTAINING BALLASTS

Di (2-ethylhexyl) phathatlate (DEHP) is a substance that was used to replace PCBs in certain ballast capacitors beginning in 1979. DEHP in its pure form is listed as a hazardous waste under the Resource Conservation and Recovery Act (RCRA). However, once it has been used in a lighting ballast, it is no longer hazardous as defined by RCRA. (See 40 CFR 261.33, Part 261 Appendix VII, Section 268.34, and Section 268.43.) DEHP is regulated under CERCLA--the Superfund law. The "Reportable Quantity" (RQ) of DEHP under CERCLA is 100 pounds. (See 40 CFR, Section 302.4.) This means that if you are disposing of 100 pounds or more of the material in a 24 hour period (approximately 1,600 fluorescent lighting ballasts), you are required to notify the National Response Center at (800) 424-8802. It also means that parties involved with the disposal of DEHP ballasts may be held liable under Superfund if clean up of the DEHP is required.

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Identifying criteria

- DEHP has been found in ballasts designed for the following lighting fixtures: four foot fluorescent fixtures manufactured between 1979 and 1985
- Eight foot fluorescent fixtures manufactured between 1979 and 1991
- High intensity discharge (HID) fixtures manufactured between 1979 and 1991

MERCURY-CONTAINING LAMPS

Fluorescent and high-intensity discharge (HID) lamps contain a small quantity of mercury that can be harmful to the environment and to human health when improperly managed. Mercury is regulated under RCRA, which is administered by the US Environmental Protection Agency. Under current Federal law, mercury-containing lamps such as fluorescent and HID lamps may be hazardous waste. In addition, incandescent and HID lamps may contain small quantities of lead that can also be potentially harmful to human health and the environment.

STORAGE TANKS

The visual inspection of the Armory grounds indicated that at least four underground storage tanks existed; one underground storage tank (UST) in the western parking area as evidenced by an observed fill port and possible vent line, two UST's associated with the maintenance garage as evidenced by two vent lines and one UST associated with the heating plant of the National Guard Office and garage as evidenced by an observed fill port and vent line. A database search located in Appendix F provided by Environmental Data Resources, Inc. identified five underground storage tanks and two aboveground storage tanks associated with the Armory as follows:

Tank	Product	Capacity (gallons)	Status
1	Diesel	3,000	Closed
2	Unleaded Gasoline	2,000	Closed
3	1,2 or 4 Fuel Oil	2,000	Closed
4	1,2 or 4 Fuel Oil	8,000	Closed
5	Unleaded Gasoline	225	Closed
6	Diesel	225	Unknown
7	Other	275	Unknown

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Additionally, eight additional aboveground 275-gallon storage tanks were identified in the basement southeast hallway opposite the shooting ranges, and not identified in the regulatory database.

Sanborn fire insurance maps for the years 1896, 1900, 1914, 1945, 1950, 1981, 1991, 1992, 1993, 1995 and 1996, and aerial photographs for years 1954, 1966, 1975, 1984 and 1994 provided by Environmental Data Resources, Inc. did not provide any indication of tank locations.

An electro-magnetic of suspect areas was performed by NAEVA (Appendix G) indicated that two buried tanks might exist in the garage parking area. Presumably, these could be the closed tanks identified as tank 1 –diesel and tank 2- unleaded gasoline.

SURVEY LIMITATIONS

No lighting, extensive debris, standing water and microbial growth obscure many areas throughout the facility. These limitations impeded access and restricted viewing of some materials. Access to the upper shed roof and the entire north roof was not possible during this survey.

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CONCLUSIONS AND RECOMMENDATIONS

Asbestos

Asbestos containing materials have been located throughout the Kingsbridge Armory. Asbestos containing materials identified by the survey or revealed by subsequent demolition to be asbestos containing should be removed and disposed of prior to initiation of construction activities. The removal of these materials should be conducted by a State of New York licensed asbestos abatement contractor in accordance with all applicable federal, state, and local regulations. Sufficient sample density exists from the plasters to allow ATC to prepare a New York City Department of Environmental Protection Asbestos Control Program form 5 (Not an Asbestos Project) for demolition of plaster surfaces following abatement of the asbestos containing materials.

Lead - (Painted Surfaces)

All painted surfaces and building components should be assumed to contain lead and be handled in accordance with the requirements of the OSHA Lead Exposure in Construction Standard (29 CFR 1926.62) and any other local requirements. Painted components within the Armory are in generally poor condition throughout and should be considered lead containing for purposes of OSHA compliance, waste stream management and environmental dust control.

This survey does not relieve any renovation/demolition contractors from the responsibility of:

- The Occupational Safety and Health Administration's (OSHA) Construction Industry requirements.
- The Resource Conservation and Recovery Act (RCRA) requirements for testing and disposal of lead-contaminated materials.
- Any other applicable federal, state, or local regulations.

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Lead –(Target Ranges)

All sand including wood dead stop material should be handled and disposed of as lead contaminated material.

PCB/DEHP, Mercury

All PCB/DEHP-contaminated materials should be incinerated pursuant to the U.S. Environmental Protection Agency's PCB Rules 40 CFR Part 761 and relevant state rules and regulations. All mercury containing lighting lamps, such as: Fluorescent, Mercury Vapor, and High Intensity Discharge lamps (including Metal Halide lamps, High Pressure Sodium lamps, and Low Pressure Sodium lamps) should be disposed through a complete recycling process.

Storage Tanks

Tanks 1 and 2 appear to have been closed and abandoned in place, which can be verified by test pits. Additional investigation is required to ascertain the disposition of tanks 3 through 7. The seven aboveground storage tanks identified by the survey need to be examined/tested for product type, content and eventual disposition

MISCELANEOUS

The Kingsbridge Armory is identified as a large quanity generator of hazardous/regulated waste. This registration if inactive should be closed out. Throughout the Armory, various paints, solvents and maintenance products were observed that would require consolidation and disposal. Abandoned refrigeration/air conditioner units may contain CFC compounds and require reclamation prior to disposal. Several animal/bird carcasses and small quantities of avian excreta were observed in localized areas, disturbance of these items would require personal protective equipment.

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APPENDIX A:
SAMPLE ANALYSIS RESULTS IN TABULAR FORM

Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory	FT1	001	Floor Tile "wood grain"	1	Rm # 1W-6	6% Chrysotile
Armory	FT1	002	Floor Tile "wood grain" 9"x 9"	1	Rm # 1W-6	NA
Armory	FT1	003	Floor Tile "wood grain" 9"x 9"	1	Rm # 1W-6	NA
Armory	MS1	004	Mastic from wood grn ft	1	Rm # 1W-6	INC
Armory	MS1	005	Mastic from wood grn ft	1	Rm # 1W-6	INC
Armory	MS1	006	Mastic from wood grn ft	1	Rm # 1W-6	INC
Armory	FT2	007	Floortile 9"x 9"	1	Rm # 1W-5	18% Chrysotile
Armory	FT2	008	Maroone	1	Rm # 1W-5	NA
Armory	FT2	009	Maroone	1	Rm # 1W-5	NA
Armory	MS2	010	Mastic maroone Floor Tile	1	Rm # 1W-5	INC
Armory	MS2	011	Mastic maroone Floor Tile	1	Rm # 1W-5	INC
Armory	MS2	012	Mastic maroone Floor Tile	1	Rm # 1W-5	INC
Armory	FT3	013	Floor tile brown 9"x 9"	1	Rm # 1E-4	5% Chrysotile
Armory	FT10	014	Floor tile brown 9"x 9"	2	Rm # 2E-3	NA
Armory	FT10	015	Floor tile brown 9"x 9"		Set #1 office	NA
Armory	MS3	016	Mastic Brown - Floor Tile	1	Rm #1E-4	INC
Armory	FT10	017	Floor tile brown 9"x 9"	2	Rm #2E-3	INC
Armory	MS10	018	Mastic brown FT		Set #1 office	INC
Armory	FT4	019	Floor Tile Black 9"x 9"	1	Rm # 1E-1	12% Chrysotile
Armory	FT4	020	Floor Tile Black 9"x 9"	1	Rm # 1E-1	NA
Armory	FT4	021	Floor Tile Black 9"x 9"	1	Rm # 1E-1	NA
Armory	MS4	022	Mastic Black - Floor Tile	1	Rm # 1E-1	INC
Armory	MS4	023	Mastic Black - Floor Tile	1	Rm # 1E-1	INC
Armory	MS4	024	Mastic Black - Floor Tile	1	Rm # 1E-1	INC
Armory	FT5	025	Floor tile - Red 9"x 9"	1	Rm # 1W-4	6% Chrysotile
Armory	FT5	026	Floor tile - Red 9"x 9"	1	Rm # 1W-4	NA
Armory	FT5	027	Floor tile - Red 9"x 9"	1	Rm #1E-2	NA

NAD - No Asbestos Detected
INC - Inconclusive by PLM
NA - Not Analysed

Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory	MS5	028	Mastic red	1	Rm # 1W-4	INC
Armory	MS5	029	Mastic red	1	Rm # 1W-4	INC
Armory	MS5	030	Mastic red	1	Rm #1E-2	INC
Armory	FT6	031	Floor tile - blue 9"x 9"	1	Rm # 1W-4	22% Chrysotile
Armory	FT6	032	Floor tile - blue 9"x 9"	1	Rm # 1W-4	NA
Armory	FT6	033	Floor tile - blue 9"x 9"	1	Rm # 1W-4	NA
Armory	MS6	034	Mastic blue - Floor Tile	1	Rm # 1W-4	INC
Armory	MS6	035	Mastic blue - Floor Tile	1	Rm # 1W-4	INC
Armory	MS6	036	Mastic blue - Floor Tile	1	Rm # 1W-4	INC
Shelter		037	Floor tile - white 12" x 12"	BM	Womens Shelter	INC
Shelter		038	Floor tile - white 12" x 12"	BM	Medical Office	INC
Shelter		039	Floor tile - white 12" x 12"	BM	Medical Office	INC
Shelter		040	Mastic white - Floor Tile	BM	Womens shelter medical office	INC
Shelter		041	Mastic white 12" ft	BM	Womens shelter medical office	INC
Shelter		042	Mastic white 12" ft	BM	Womens shelter medical office	INC
Armory	FT7	043	Brown Linoleum	1	Rm #1W-5	2% Chrysotile
Armory	FT11	044	Brown Linoleum	1	Rm #1W-5	NA
Armory	FT7	045	Brown Linoleum	1	Rm #1W-5	NA
Armory	FT8	046	White Linoleum	1	Rm #1W-1	INC
Armory	FT8	047	White Linoleum	1	Rm #1W-1	INC
Armory	FT8	048	White Linoleum	1	Rm #1W-1	INC
Armory	FT9	049	Black Linoleum	1	SWT #2 Upper Office	INC
Armory	FT9	050	Black Linoleum	1	1W - 1	INC
Armory	FT9	051	Black Linoleum	1	SWT #2 Upper Office	INC
Shelter		052	Tan 12" x 12" Floor Tile	BM	Womens Shelter	INC
Shelter		053	Tan 12" x 12" Floor Tile	BM	Hallway	INC
Shelter		054	Tan 12" x 12" Floor Tile	BM	Dorm #	INC

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Shelter		055	Mastic 12"x 12' Floor Tile	BM	Dorm #	INC
Shelter		056	Mastic 12"x 12' Floor Tile	BM	Dorm #	INC
Shelter		057	Mastic 12"x 12' Floor Tile	BM	Dorm #	INC
Shelter		058	Void			VOID
Shelter		059	2'x 2' Ceiling Tile	BM	Womens shelter medical office	NAD
Shelter		060	2'x 2' Ceiling Tile	BM	Womens shelter medical office	NAD
Shelter		061	2'x 2' Ceiling Tile	BM	Womens shelter medical office	NAD
Shelter		062	2'x 2' Ceiling Tile	BM	Womens shelter medical office	NAD
Shelter		063	2'x 4' Ceiling Tile	BM	Womens shelter lounge	NAD
Shelter		064	2'x 4' Ceiling Tile	BM	Womens shelter lounge	NAD
Shelter		065	2'x 4' Ceiling Tile	BM	Womens shelter cafeteria	NAD
Shelter		066	2'x 4' Ceiling Tile	BM	Womens shelter cafeteria	NAD
Shelter		067	Cove Base	BM	Womens shelter cafeteria	INC
Shelter		068	Cove Base	BM	Womens shelter cafeteria	INC
Shelter		069	Cove Base	BM	Womens shelter cafeteria	INC
Shelter		070	Cove Base	BM	Womens shelter cafeteria	INC
Armory	CT1	071	2'x 4' Ceiling Tile	1	Room 1E2	NAD
Armory	CT1	072	2'x 4' Ceiling Tile	1	Room 1E2	NAD
Armory	CT1	073	2'x 4' Ceiling Tile	1	Room 1E2	NAD
Armory	CT2	074	1'x 1' Ceiling Tile	1	Room 1W4	NAD
Armory	CT2	075	1'x 1' Ceiling Tile	1	Debris on floor 1W4	NAD
Armory	CT2	076	1'x 1' Ceiling Tile	1	Debris on floor 1W5	NAD
Shelter		077	Elbow Mud	BM	Womens shelter	NAD
Shelter		078	Elbow Mud	BM	Womens shelter	NAD
Shelter		079	Elbow Mud	BM	Womens shelter	NAD
Armory	TSI1	080	Woven Pipe Wrap	2	Room 2E2	NAD
Armory	TSI1	081	Woven Pipe Wrap	2	Room 2E3	NAD

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory	TSI1	082	Woven Pipe Wrap	2	Room 2E4	NAD
Armory		083	Woven Pipe Wrap	2	Room 2E5	NAD
Armory	M1	084	Window Glazing	2	Rm. SE-1	INC
Armory	M1	085	Window Glazing	2	Rm. SE-1	INC
Armory	M1	086	Window Glazing	1	Roof Turret	INC
Armory	M2	087	Wallboard	1	RM. SW-5	NAD
Shelter		088	Wallboard	BM	RM. SW-4	NAD
Shelter		089	Wallboard	BM	Shelter	NAD
Armory		090	Wallboard	SWT-1	Shelter	INC
Armory		091	Wallboard	SWT-1	Turret	INC
Armory		092	Wallboard	SWT-1	Turret	INC
Armory		093	Wallboard	SWT-1	Turret	NAD
Armory		094	Wallboard	SWT-1	Turret	NAD
Armory		095	Wallboard	SWT-1	Turret	NAD
Reserve	1	A-01	9" Grey VFT	2	Rm 2-1	2.7% Chrysotile
Reserve	1	A-02	9" Grey VFT	2	Rm 2-2	NA
Reserve	1	A-03	9" Grey VFT	2	Rm 2-3	NA
Reserve	2	A-04	9" Black VFT	2	Rm 2-1	INC
Reserve	2	A-05	9" Black VFT	2	Rm 2-2	INC
Reserve	2	A-06	9" Black VFT	2	Rm 2-3	INC
Reserve	3	A-07	Mastic on homo # 01 & # 07	2	Rm 2-3	INC
Reserve	3	A-08	Mastic on homo # 01 & # 07	2	Rm 2-1	INC
Reserve	3	A-09	Mastic on homo # 01 & # 07	2	Rm 2-15	INC
Reserve	4	A-10	Grey floor coating	2	Corridor	INC
Reserve	4	A-11	Grey floor coating	2	Corridor	INC
Reserve	4	A-12	Grey floor coating	2	Corridor	INC
Reserve	5	A-13	12" spline ceiling tile	2	Rm 2-1	NAD

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Reserve	5	A-14	12" spline ceiling tile	2	Entrance lobby	NAD
Reserve	5	A-15	12" spline ceiling tile	2	Rm 2-3	NAD
Reserve	6	A-16	6" Black vinyl cove base	2	Rm 2-1	INC
Reserve	6	A-17	6" Black vinyl cove base	2	Rm 2-3	INC
Reserve	6	A-18	6" Black vinyl cove base	2	Rm 2-8	INC
Reserve	7	A-19	Mastic ass. with homo # 06	2	Rm 2-1	INC
Reserve	7	A-20	Mastic ass. with homo # 06	2	Rm 2-3	INC
Reserve	7	A-21	Mastic ass. with homo # 06	2	Rm 2-8	INC
Reserve	8	A-22	12" white/grey streaks VFT	2	Rm 2-8	INC
Reserve	8	A-23	12" white/grey streaks VFT	2	Rm 2-8	INC
Reserve	8	A-24	12" white/grey streaks VFT	2	Rm 2-8	INC
Reserve	9	A-25	Mastic ass. with homo # 08	2	Rm 2-8	INC
Reserve	9	A-26	Mastic ass. with homo # 08	2	Rm 2-8	INC
Reserve	9	A-27	Mastic ass. with homo # 08	2	Rm 2-8	INC
Reserve	10	A-28	Wall board as ceiling	1	Corridor	NAD
Reserve	10	A-29	Wall board as ceiling	1	Corridor	NAD
Reserve	10	A-30	Wall board as ceiling	2	Corridor	NAD
Reserve	11	A-31	Outside window caulking (tan)	2	Roof	INC
Reserve	11	A-32	Outside window caulking (tan)	2	Roof	INC
Reserve	11	A-33	Outside window caulking (tan)	2	Roof	INC
Reserve	12	A-34	White window glazing	2	Roof	INC
Reserve	12	A-35	White window glazing	2	Roof	INC
Reserve	12	A-36	White window glazing	2	Roof	INC
Reserve	13	A-37	Coping stone caulking	R	Roof	INC
Reserve	13	A-38	Coping stone caulking	R	Roof	INC
Reserve	13	A-39	Coping stone caulking	R	Roof	INC
Reserve	14	A-40	Tar paper on fiberglass pipe insulation	B	Corridor	INC

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Reserve	14	A-41	Tar paper on fiberglass pipe insulation	B	Corridor	INC
Reserve	14	A-42	Tar paper on fiberglass pipe insulation	B	East side room	INC
Reserve	15	A-43	Cementations pipe fitting on fiberglass pipe	1	Locker room	50% Chrysotile
Reserve	15	A-44	Cementations pipe fitting on fiberglass pipe	B	Corridor	NA
Reserve	15	A-45	Cementations pipe fitting on fiberglass pipe	B	Northside room	NA
Armory	P01	P-01	1st Coat White Wall Plaster	1	RM 1W4	NAD
Armory	P02	P-02	2nd Coat Brown Wall Plaster	1	RM 1W4	NAD
Armory	P01	P-03	1st Coat White Column Plaster	1	Entrance Lobby Column	NAD
Armory	P02	P-04	2nd Coat Brown Column Plaster	1	Entrance Lobby Column	NAD
Armory	P01	P-05	1st Coat White Wall Plaster	1	East Wall of Entrance Lobby	NAD
Armory	P02	P-06	2nd Coat Brown Wall Plaster	1	East Wall of Entrance Lobby	NAD
Armory	P01	P-07	1st Coat White Wall Plaster	1	Room 1E1	NAD
Armory	P02	P-08	2nd Coat Brown Wall Plaster	1	Room 1E1	NAD
Armory	P01	P-09	1st Coat White Ceiling Plaster	1M	RM 1E3 Mezz	NAD

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory		P1	Built-up Roofing	R	Existing probe -P1	4% Chrysotile
Armory	P02	P-10	2nd Coat Brown Ceiling Plaster	1M	RM 1E3 Mezz	NAD
Armory	P01	P-11	1st Coat White Ceiling Plaster	1	RM 1E5	NAD
Armory	P02	P-12	2nd Coat Brown Ceiling Plaster	1	RM 1E5	NAD
Armory	P01	P-13	1st Coat White Suspend Ceiling Plaster	1	Lobby Area of West Side Stair Case	NAD
Armory	P02	P-14	2nd Brown Coat Under # P-13	1	Lobby Area of West Side Stair Case	NAD
Armory	P01	P-15	1st Coat White Ceiling Plaster	1	RM 1W6	NAD
Armory	P02	P-16	2nd Coat Brown Ceiling Plaster	1	RM 1W6	NAD
Armory	P01	P-17	1st Coat White Wall Plaster	1	Entrance Area West Turret Room	NAD
Armory	P02	P-18	2nd Coat Brown Wall Plaster	1	Entrance Area West Turret Room	NAD
Armory	P03	P-19	1st Coat White Ceiling Plaster	2	West Side Stair Way Vestibule	NAD
Armory	R	P2	Built-up Roofing	R	Existing probe -P2	5% Chrysotile
Armory	P04	P-20	2nd Coat Brown Ceiling Plaster	2	West Side Stair Way Vestibule	NAD
Armory	P03	P-21	1st Coat White Ceiling Plaster	2		NAD
Armory	P04	P-22	2nd Coat Brown Ceiling Plaster	2		NAD
Armory	P03	P-23	1st Coat White Wall Plaster	2		NAD
Armory	P04	P-24	2nd Coat Brown Wall Plaster	2		NAD
Armory	P03	P-25	1st Coat White Column Plaster	2	Center Hallway Between Turrets	NAD
Armory	P04	P-26	2nd Coat Brown Column Plaster	2	Center Hallway Between Turrets	NAD
Armory	P03	P-27	1st Coat White Ceiling Plaster	3	Corridor Outside 3rd Floor Bar	NAD
Armory	P04	P-28	2nd Coat Brown Ceiling Plaster	3	Corridor Outside 3rd Floor Bar	NAD
Armory	P03	P-29	1st Coat White Wall Plaster	3	Wall North of Bar Room	NAD
Armory	P04	P-30	2nd Coat Brown Wall Plaster	3	Wall North of Bar Room	NAD
Armory	P03	P-31	1st Coat White Ceiling Plaster	2	East Side Room	NAD
Armory	P04	P-32	2nd Coat Brown Ceiling Plaster	2	East Side Room	NAD
Armory	P03	P-33	1st Coat White Wall Plaster	2	Corridor East End	NAD
Armory		P3-3TAB	3 Tab Shingle	R	Existing probe -P3	2% Chrysotile

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory	P04	P-34	2nd Coat Brown Wall Plaster	2	Corridor East End	NAD
Armory	P03	P-35	1st Coat White Wall Plaster	3		NAD
Armory	P04	P-36	2nd Coat Brown Wall Plaster	3		NAD
Armory	P05	P-37	1st Coat White Wall Plaster	BM	RM-B-16	NAD
Armory	P06	P-38	2nd Coat Brown Wall Plaster	BM	RM-B-16	NAD
Armory	P05	P-39	1st Coat White Ceiling Plaster	BM	RM-B-16	NAD
Armory		P3-FELT	Tar Paper Underlayment	R	Existing probe -P3	2% Chrysotile
Armory		P3-PAP	Paper Underlayment	R	Existing probe -P3	NAD
Armory	P06	P-40	2nd Coat Brown Ceiling Plaster	BM	RM-B-16	NAD
Armory	P05	P-41	1st Coat White Ceiling Plaster	BM	Center S. Room Between Turrets	NAD
Armory	P06	P-42	2nd Coat Brown Ceiling Plaster	BM	Center S. Room Between Turrets	NAD
Armory	P05	P-43	1st Coat White Column Plaster	BM	Center Vestibule By Stairs Going Down	NAD
Armory	P06	P-44	2nd Coat Brown Column Plaster	BM	Center Vestibule By Stairs Going Down	NAD
Armory	P05	P-45	1st Coat White Wall Plaster	BM	N Side Wall of Shelter	NAD
Armory	P06	P-46	2nd Coat Brown Wall Plaster	BM	N Side Wall of Shelter	NAD
Armory	P05	P-47	1st Coat White Wall Plaster	BM	East Side Room of Shelter	NAD
Armory	P06	P-48	2nd Coat Brown Wall Plaster	BM	East Side Room of Shelter	NAD
Armory	P05	P-49	1st Coat White Ceiling Plaster	BM	South Side Room of Shelter	NAD

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory		P4-EXT	Built-up Roofing	R	Existing probe -P4	NAD
Armory		P4-FELT	Built-up Roofing	R	Existing probe -P4	NAD
Armory		P4-PAP	3 Tab Shingle	R	Existing probe -P5	2% Chrysotile
Armory	P06	P-50	2nd Coat Brown Ceiling Plaster	BM	South Side Room of Shelter	NAD
Armory	P05	P-51	1st Coat White Ceiling Plaster	BM	RM B-39	NAD
Armory	P06	P-52	2nd Coat Brown Ceiling Plaster	BM	RM B-39	NAD
Armory	P05	P-53	1st Coat White Wall Plaster	BM	RM B-39	NAD
Armory		P5-3TAB	Built-up Roofing	R	Existing probe -P5	Trace Chry
Armory	P06	P-54	2nd Coat Brown Wall Plaster	BM	RM B-39	NAD

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Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory		P5-FELT	Tar Paper Underlayment	R	Existing probe -P5	0.75% Chrysotile
Armory	R-1	R-001	Roofing	R	Flat Roof	3% Chrysotile
Armory	R-1	R-002	Roofing	R	Flat Roof - Elevated Section	NA
Armory	R-1	R-003	Roofing	R	Tower Roof	NA
Armory	R-2	R-004	Cap Stone Caulk	R	Roof	INC
Armory	R-2	R-005	Cap Stone Caulk	R	Roof	INC

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NA - Not Analysed

Building	HA #	Bulk Sample	Material	Floor	Sample Coordinates	(Type & %)
Armory	R-2	R-006	Cap Stone Caulk	R	Roof	INC
Armory	1	R-1	Built-up Roofing (upper)	R	Main Roof	4% Chrysotile
Armory	2	R-2	3-Tab Shingle (lower)	R	Main Roof	3.8% Chrysotile
Armory	3	R-3	Tar Paper Underlayment (lower)	R	Main Roof	NAD
Armory	4	R-4	Paper Underlayment (lower)	R	Main Roof	NAD
Armory	SB-1	SB001	Boiler Mud	SB	Boiler Room	NAD
Armory	SB-1	SB002	Boiler Mud	SB	Boiler Room	NAD
Armory	SB-1	SB003	Boiler Mud	SB	Boiler Room	NAD
Armory	SB-2	SB004	Breeching Insulation	SB	Boiler Room	NAD
Armory	SB-2	SB005	Breeching Insulation	SB	Boiler Room	NAD
Armory	SB-2	SB006	Breeching Insulation	SB	Boiler Room	NAD
Armory	SB-3	SB007	Elbow Mud	SB	Boiler Room	NAD
Armory	SB-3	SB008	Elbow Mud	SB	Boiler Room	NAD
Armory	SB-3	SB009	Elbow Mud	SB	Boiler Room	NAD

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APPENDIX D:
ASBESTOS CONTAINING MATERIALS BY LOCATION

Building	Floor	Room/Location	Thermal System Insulation	Floor Tile/Flooring Material	Fixtures	Florescent Tubes	Ballasts	Metal Halides
Armory	1	1E-1	-	1,050	-	-	-	
Armory	1	1E-2	20	1,050	-	-	-	
Armory	1	1E-3	20	150	4	2	1	
Armory	1	1E-4	20	1,120	6	6	3	
Armory	1	1E-5	50	120	-	-	-	
Armory	1	1E-6	50	120	5	4	2	
Armory	1	1E-7	-	-	18	18	9	
Armory	1	1E-8	-	-	10	10	5	
Armory	1	1W-1	20	200	32	6	3	
Armory	1	1W-2	60	500	6	24	12	
Armory	1	1W-3	20	500	6	24	12	
Armory	1	1W-4	20	1,050	7	38	16	
Armory	1	1W-5	-	200	4	16	8	
Armory	1	1W-6	30	400	6	24	12	
Armory	1	1W-7	-	-	-	-	-	
Armory	1	1W-8	-	-	-	-	-	
Armory	1	1W-9	230	-	24	24	24	
Armory	1	Drill Floor	3,000	-	25	50	25	100
Armory	1	SWT-1	-	-	-	-	-	
Armory	1	SWT-2	-	-	-	-	-	
Armory	1	SET-1	-	-	-	-	-	
Armory	1	SET-2	-	-	-	-	-	
Armory	2	2SE-1A	40	1,200	6	12	6	
Armory	2	2SE-1B	165	1,200	6	8	6	
Armory	2	2SE-2	30	1,200	6	12	6	
Armory	2	2SE-3	50	1,200	6	12	6	

Building	Floor	Room/Location	Thermal System Insulation	Floor Tile/Flooring Material	Fixtures	Florescent Tubes	Ballasts	Metal Halides
Armory	2	2SE-4	30	1,200	6	12	6	
Armory	2	2SE-5	30	1,200	6	12	6	
Armory	2	2SE-6	100	1,200	7	18	9	
Armory	2	2SE-7	50	1,500	9	18	9	
Armory	2	2SW-1	-	-	5	10	5	
Armory	2	2SW-2	-	-	-	-	-	
Armory	2	2SW-3	-	-	-	-	-	
Armory	2	2SW-4	-	-	-	-	-	
Armory	2	2SW-4-Bathroom	90	3,600	-	-	-	
Armory	2	2SW-5	90	2,000	-	-	-	
Armory	2	2SW-6	-	2,000	10	20	10	
Armory	2	2SW-7	-	-	6	12	6	
Armory	2	2SWT-1	-	-	4	8	4	
Armory	2	2SWT-2	-	-	-	-	-	
Armory	2	2SET-1	-	-	4	8	4	
Armory	2	2SET-2	-					
Armory	2	Hallway	-	-	19	38	19	
Armory	3	Lounge	-	2,700	-	-	-	
Armory	3	3SET-1	50	2,100	-	-	-	
Armory	3	3SET-2	100	2,100	-	-	-	
Armory	3	3SWT1	60	1,500	-	-	-	
Armory	3	3SWT-2	-	-	-	-	-	
Armory	4	4SET-1	-	150	-	-	-	
Armory	4	4SET-2	-	-	-	-	-	
Armory	4	4SWT-1	-	-	-	-	-	
Armory	4	4SWT-2	-	-	-	-	-	

Building	Floor	Room/Location	Thermal System Insulation	Floor Tile/Flooring Material	Fixtures	Florescent Tubes	Ballasts	Metal Halides
Armory	B	BE-17	160	-	4	10	5	
Armory	B	C12			6	6	3	
Armory	B	C13			21	24	12	
Armory	B	C15	20	-	-	-	-	
Armory	B	C16	10	-	2	8	4	
Armory	B	C17	20	-	1	4	2	
Armory	B	C18	15	-	1	4	2	
Armory	B	C19	15	-	1	2	1	
Armory	B	C20	20	-	-	-	-	
Armory	B	C21	20	-	-	-	-	
Armory	B	C22	10	-	-	-	-	
Armory	B	C23	40	-	-	-	-	
Armory	B	C24	25	-	-	-	-	
Armory	B	C33A	55	-	7	21	11	
Armory	B	C33B	55	-	-	-	-	
Armory	B	C33C	55	-	-	-	-	
Armory	B	C33D	55	-	-	-	-	
Armory	B	C33E	-	-	-	-	-	
Armory	B	C33F	-	-	15	30	15	
Armory	B	C33G	55	-	-	-	-	
Armory	B	C34	20	-	-	-	-	
Armory	B	C35	30	-	-	-	-	
Armory	B	C36	20	-	1	4	2	
Armory	B	C37	40	-	-	-	-	
Armory	B	C41	15	-	-	-	-	
Armory	B	C42	20	-	-	-	-	

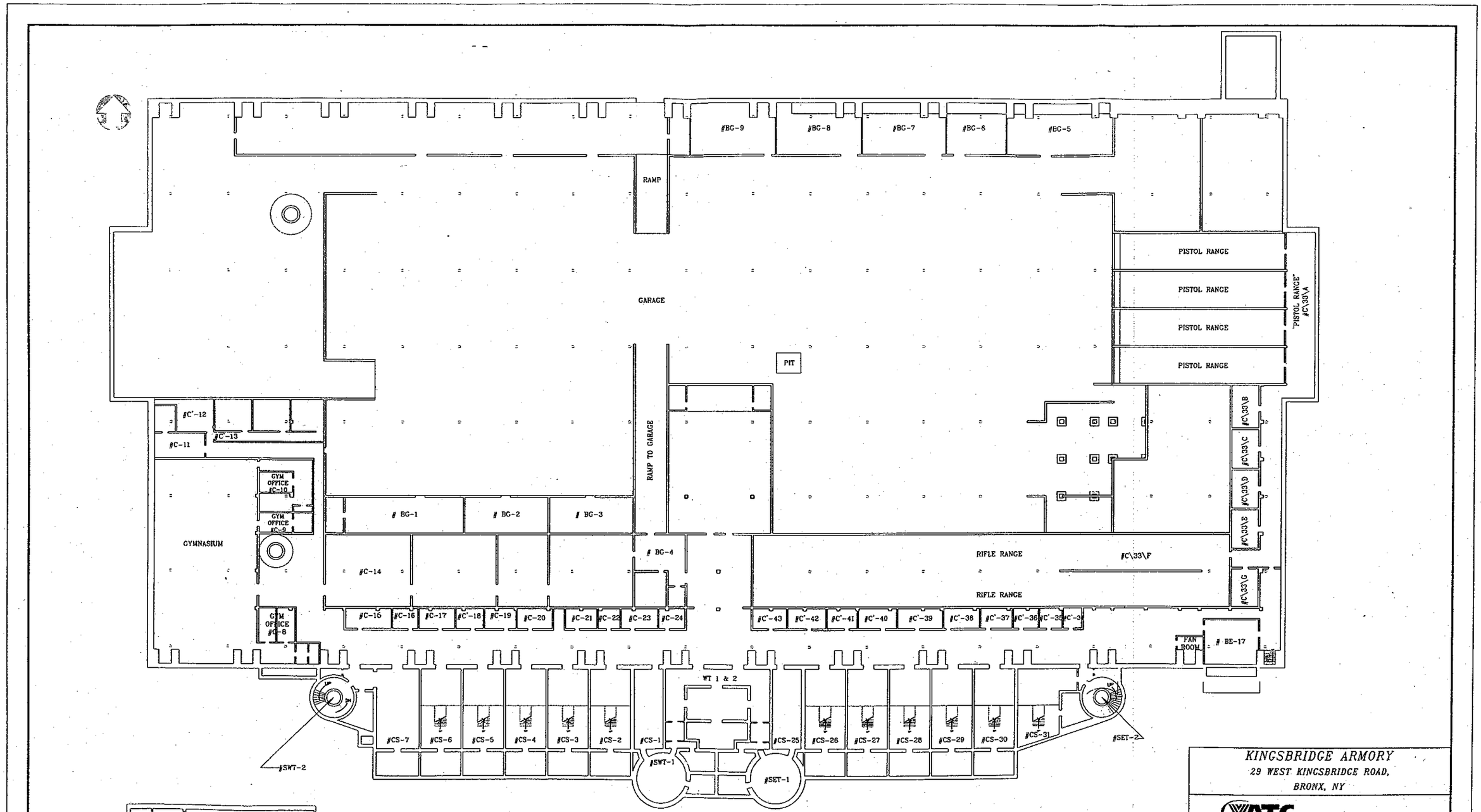
Building	Floor	Room/Location	Thermal System Insulation	Floor Tile/Flooring Material	Fixtures	Florescent Tubes	Ballasts	Metal Halides
Armory	B	C43	40	-	-	-	-	
Armory	B	C14	230	300	14	28	14	
Armory	B	CS1	120	-	14	12	6	
Armory	B	CS12	80	-	6	6	3	
Armory	B	CS2	165	-	12	36	24	
Armory	B	CS26	220	-	14	32	16	
Armory	B	CS27	220	-	12	32	16	
Armory	B	CS28	220	-	14	32	16	
Armory	B	CS29	140	-	14	32	16	
Armory	B	CS3	165	-	12	36	24	
Armory	B	CS30	200	-	14	32	16	
Armory	B	CS31	200	-	14	32	16	
Armory	B	CS4	165	-	15	48	28	
Armory	B	CS5	165	-	12	36	24	
Armory	B	CS6	110	-	12	36	24	
Armory	B	CS7	240	-	5	6	8	
Armory	B	CSS25	105	-	14	12	6	
Armory	B	E1	90	-				
Armory	B	Fan Room	10	-				
Armory	B	Garage	1,550	-	12	24	12	
Armory	B	Gymnasium	1,020	-				
Armory	B	Gymnasium Hallway (EW)	200	-	14	28	15	
Armory	B	Gymnasium Hallway (NS)	300	-	3	6	3	
Armory	B	C9	50	-				
Armory	B	C8	30	-				
Armory	B	C10	100	-				

Building	Floor	Room/Location	Thermal System Insulation	Floor Tile/Flooring Material	Fixtures	Florescent Tubes	Ballasts	Metal Halides
Armory	B	SET2	25	-				
Armory	B	SET2	-	-				
Armory	B	Slop Sink Room	30	-				
Armory	B	SWTC1	40	-				
Armory	B	WT1	290	-	18	18	18	
Armory	B	WT2	290	-				
Armory	B	WTC3	50	-				
Armory	BM	A1	-	400				
Armory	BM	B1	50	-	1	4	2	
Armory	BM	B10	250	600				
Armory	BM	B13	15	-				
Armory	BM	B14	140	-				
Armory	BM	B15	40	-				
Armory	BM	B2	50	-				
Armory	BM	B23	50	-	2	4	2	
Armory	BM	B24	25	-				
Armory	BM	B25	55	-				
Armory	BM	B26	25	-				
Armory	BM	B27	30	-	1	3	2	
Armory	BM	B28	20	-				
Armory	BM	B29	50	-	2	8	4	
Armory	BM	B3	50	-	2	4	2	
Armory	BM	B30	50	-				
Armory	BM	B31	50	-				
Armory	BM	B32	50	-	1	4	2	
Armory	BM	B33	50	-	2	4	2	

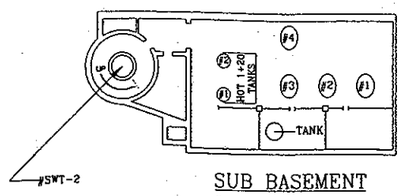
Building	Floor	Room/Location	Thermal System Insulation	Floor Tile/Flooring Material	Fixtures	Florescent Tubes	Ballasts	Metal Halides
Armory	BM	B34	50	-				
Armory	BM	B35	50	-	2	8	4	
Armory	BM	B37	50	-				
Armory	BM	B38	-	-	4	1	2	
Armory	BM	B4	50	-	1	2	1	
Armory	BM	B5	50	-	1	2	1	
Armory	BM	B51	-	-				
Armory	BM	B52	-	-				
Armory	BM	B53	-	-				
Armory	BM	B54	-	-				
Armory	BM	B6	60	-	1	4	2	
Armory	BM	B7	70	-				
Armory	BM	B8	50	-	3	12	6	
Armory	BM	B9	50	-				
Armory	BM	B39			9	36	18	
Armory	BM	B40						
Armory	BM	Balcony	-	-				
Armory	BM	Hallway	20	-	34	68	34	
Armory	BM	Lecture Hall	60	-				9.00
Armory	BM	Loading Area	400	-				
Armory	BM	Open Store Areas	-	-				
Armory	R	Roofing						
Armory	SB	Boiler Room	-	-				
Shelter	B	C33E	55	-				
Shelter	B	C33F	55	-				
Shelter	B	C38	40	-				

Building	Floor	Room/Location	Thermal System Insulation	Floor Tile/Flooring Material	Fixtures	Florescent Tubes	Ballasts	Metal Halides
Shelter	B	C39	80	-				
Shelter	B	C40	35	-				
		Flooring Total		**9,850**				
		Thermal System Total	**14,315**		**623**	**1,247**	**680**	**109**
		Roofing Total	**235,000**					

APPENDIX H:
SURVEY DRAWINGS



BASEMENT



SUB BASEMENT
"BOILER ROOM"

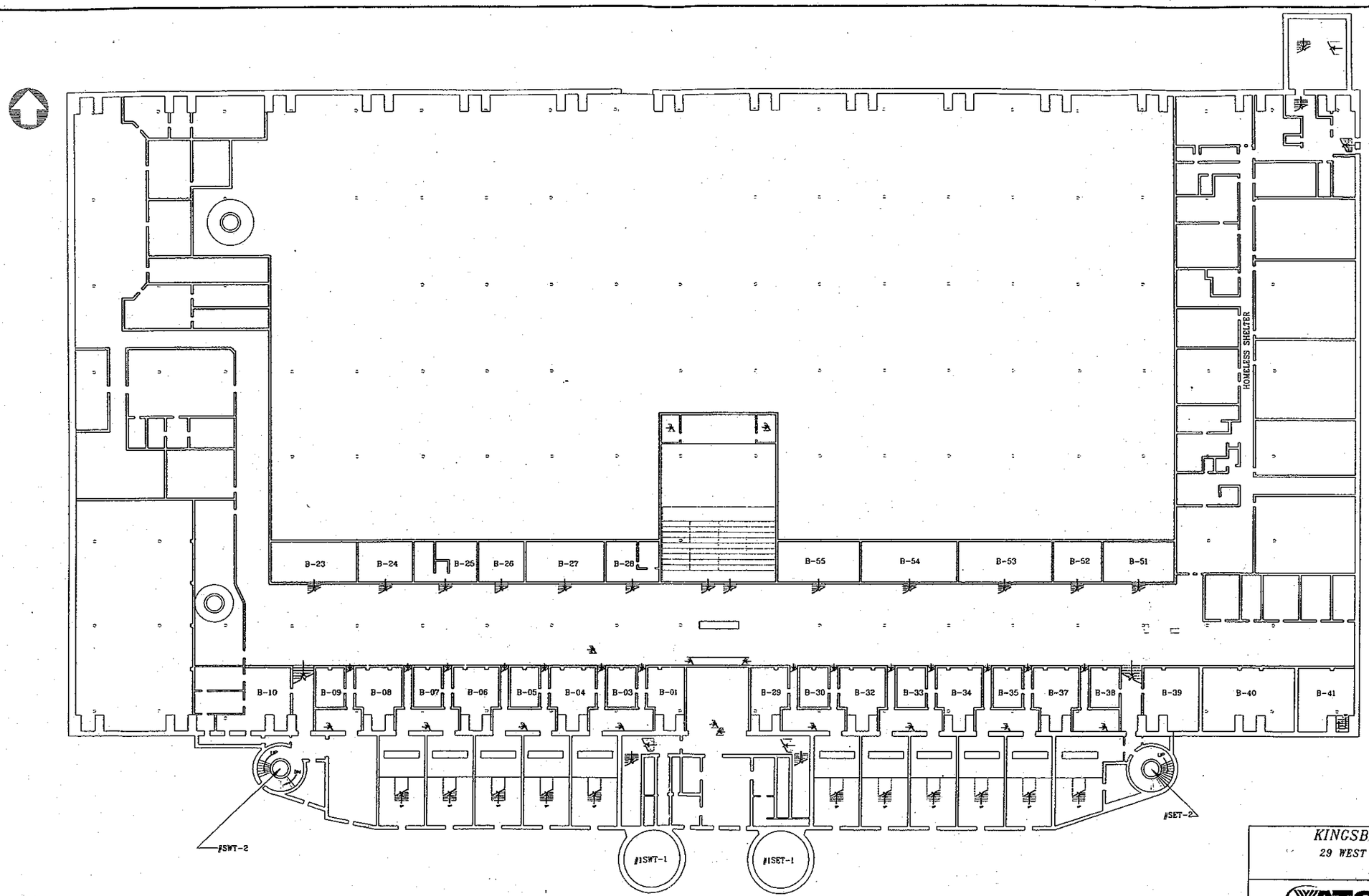
KINGSBRIDGE ARMORY
29 WEST KINGSBRIDGE ROAD,
BRONX, NY

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ROOM NUMBERS
BASEMENT AND SUB BASEMENT "BOILER ROOM"

PROJ.#75018	FILE: M:\CAD94\75018.001\A-1	
DRAWN BY: V. FROLOV	SCALE: NOT TO SCALE	
CHECKED BY: J. RUCHALSKI	DATE: 09/21/00	A-1

FILE: M:\CAD94\75018.001\A-1



BASEMENT MEZZANINE PLAN

KINGSBRIDGE ARMORY
29 WEST KINGSBRIDGE ROAD,
BRONX, NY

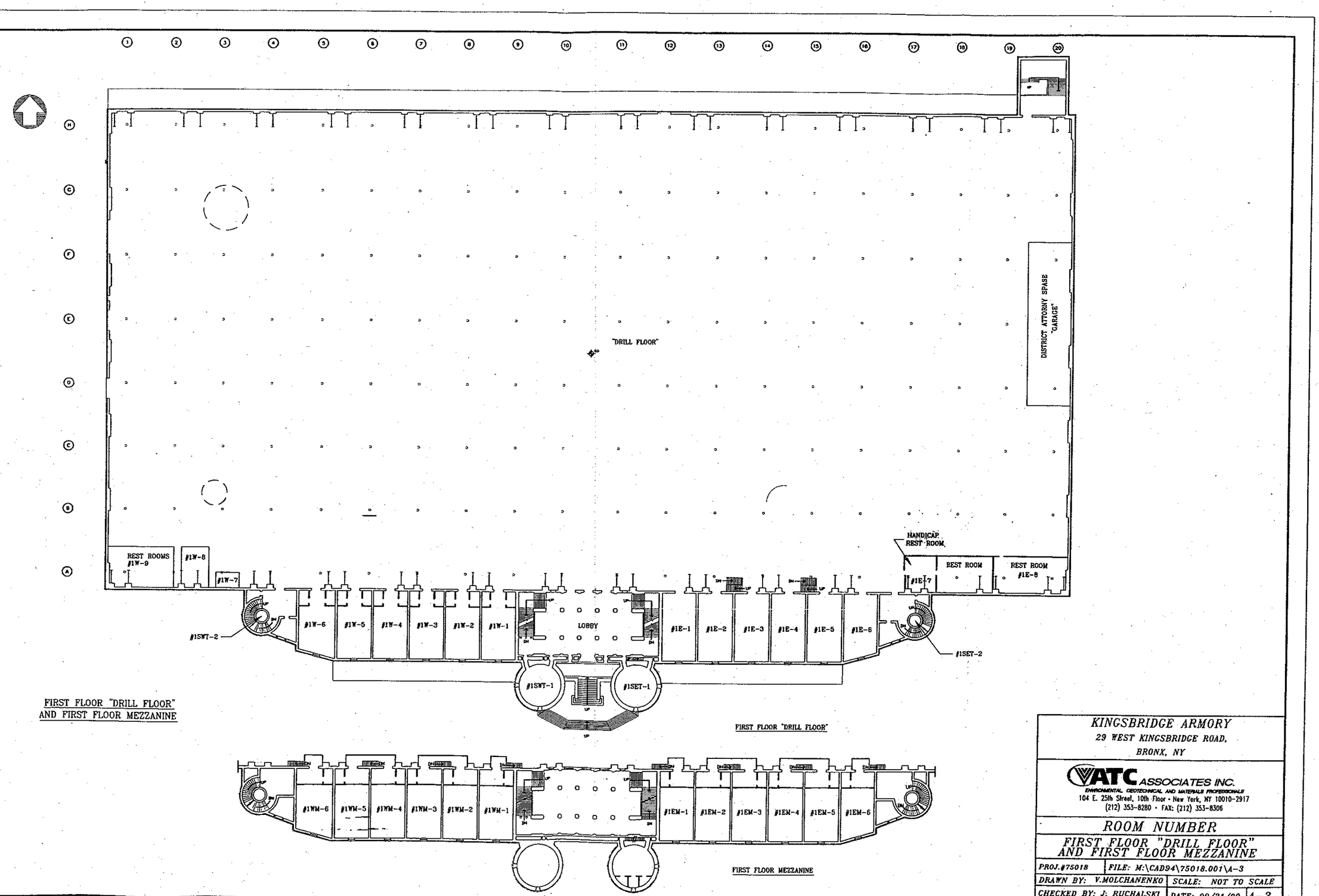
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ROOM NUMBERS

BASEMENT MEZZANINE PLAN

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CHECKED BY: J. RUCHALSKI	DATE: 09/21/00	A-2

FILE: M:\CAD94\75018.001\A-2



FIRST FLOOR "DRILL FLOOR"
AND FIRST FLOOR MEZZANINE

FIRST FLOOR "DRILL FLOOR"

FIRST FLOOR MEZZANINE

KINGSBRIDGE ARMORY
29 WEST KINGSBRIDGE ROAD,
BRONX, NY

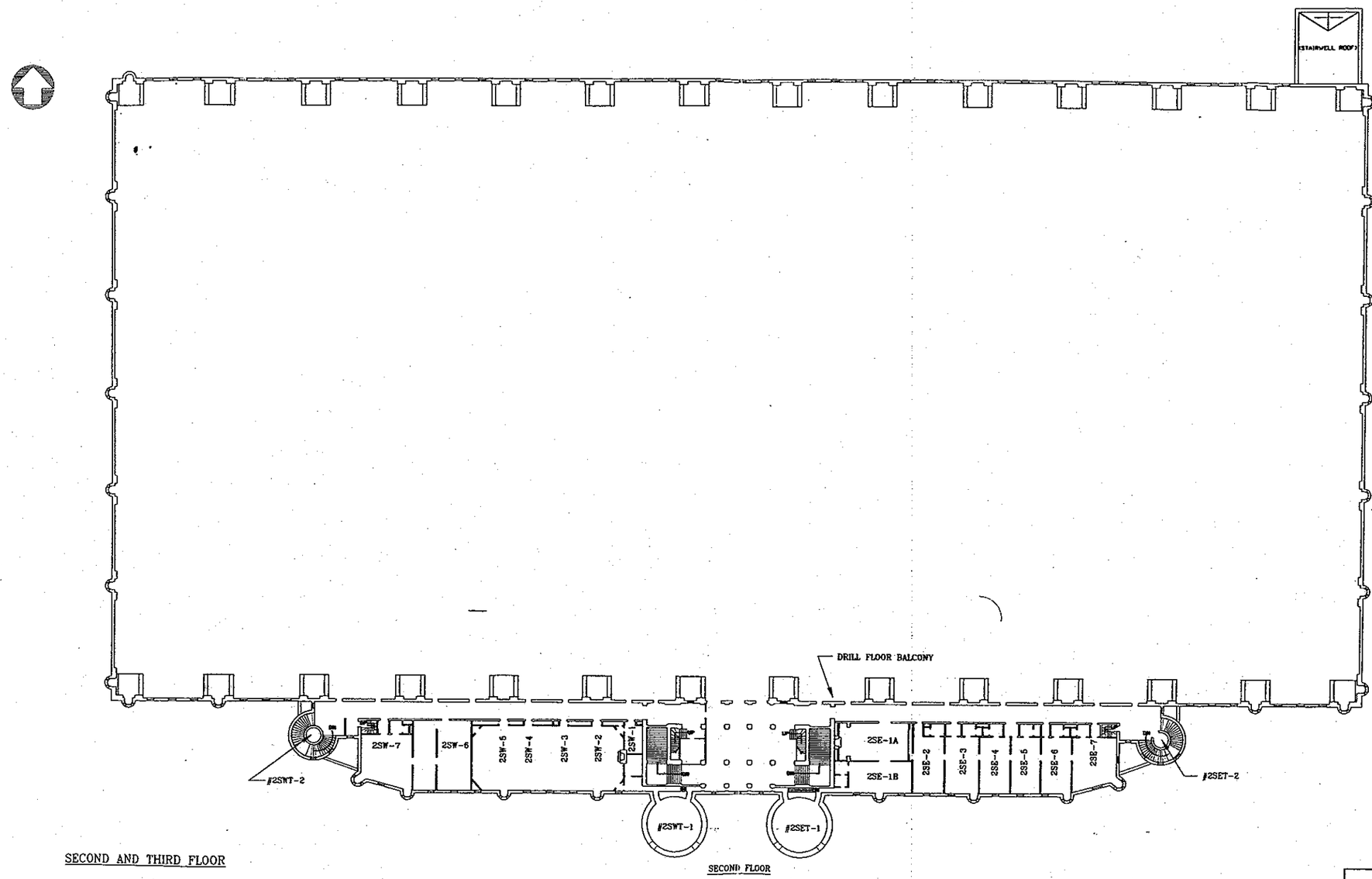
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ROOM NUMBER

FIRST FLOOR "DRILL FLOOR"
AND FIRST FLOOR MEZZANINE

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FILE: M:\CAD94\75018.001\A-3



SECOND AND THIRD FLOOR

KINGSBRIDGE ARMORY
29 WEST KINGSBRIDGE ROAD,
BRONX, NY

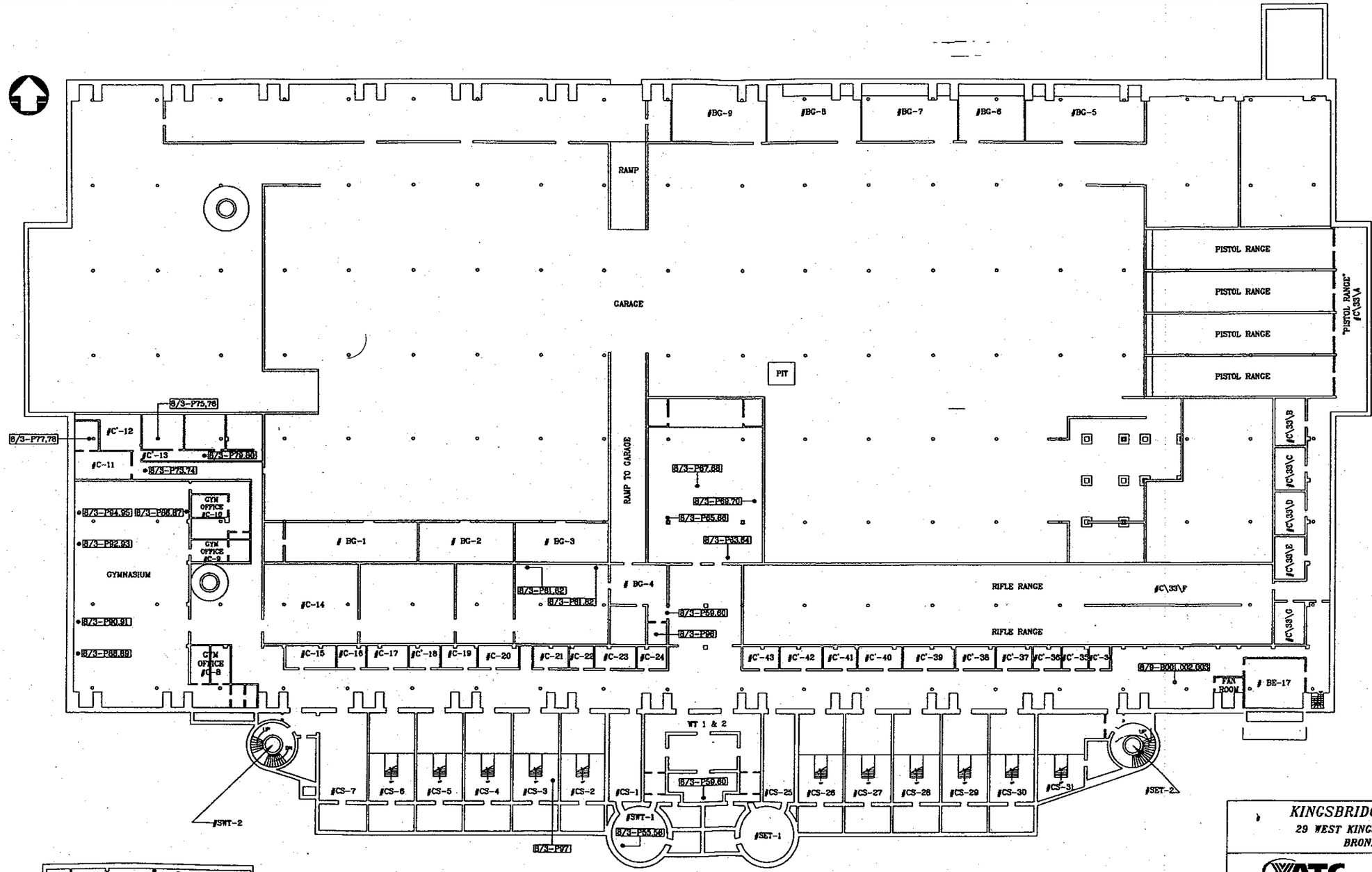
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ROOM NUMBERS

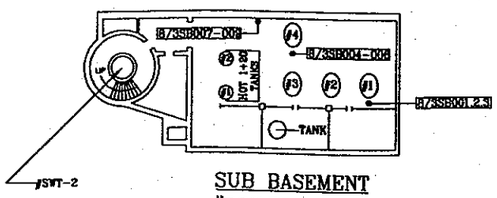
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BASEMENT



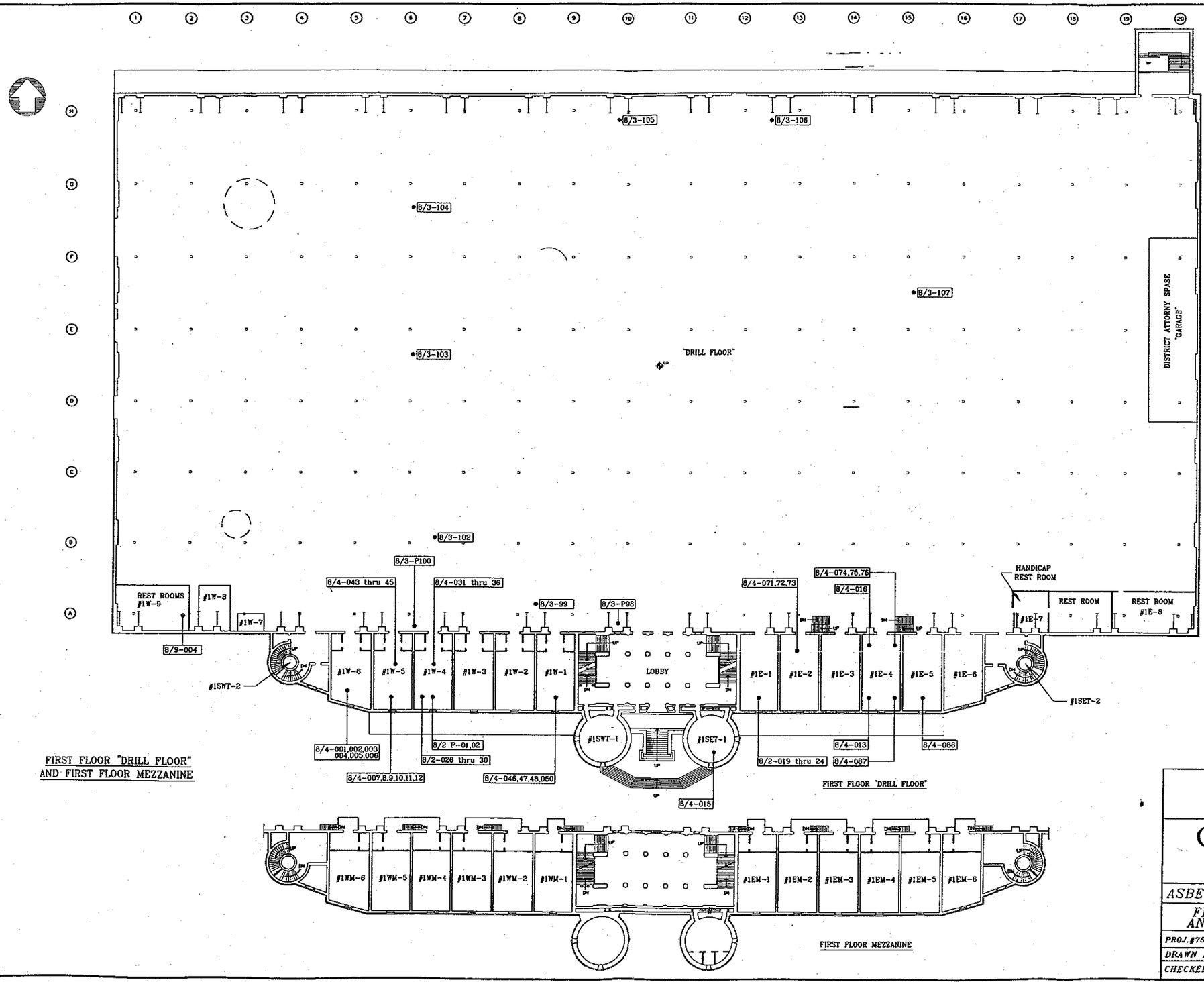
SUB BASEMENT
"BOILER ROOM"

KINGSBRIDGE ARMORY
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ASBESTOS BULK SAMPLE LOCATIONS
BASEMENT AND SUB BASEMENT "BOILER ROOM"

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FIRST FLOOR "DRILL FLOOR"
AND FIRST FLOOR MEZZANINE

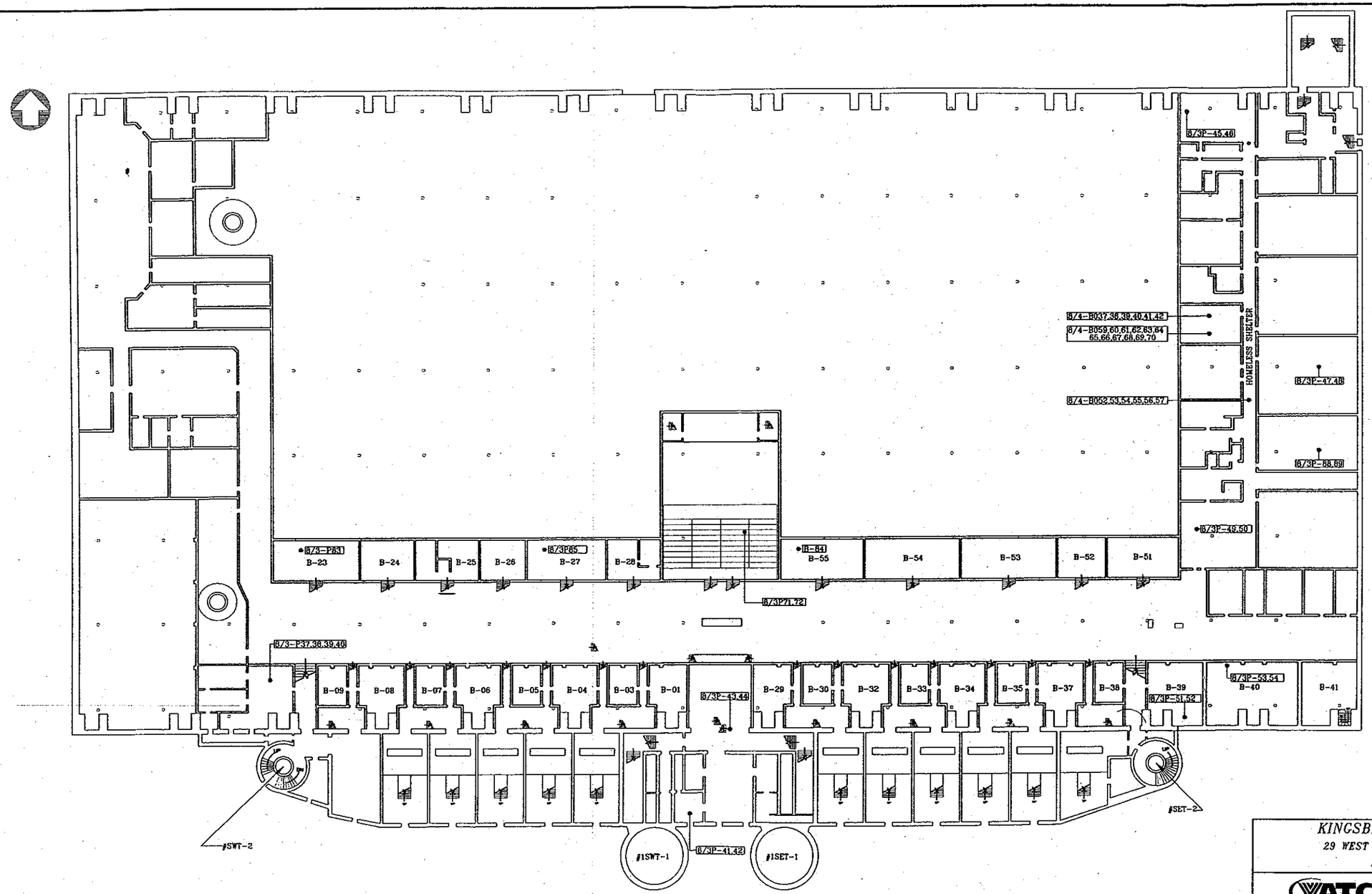
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ASBESTOS BULK SAMPLE LOCATIONS
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AND FIRST FLOOR MEZZANINE

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BASEMENT MEZZANINE PLAN

KINGSBRIDGE ARMORY
29 WEST KINGSBRIDGE ROAD,
BRONX, NY

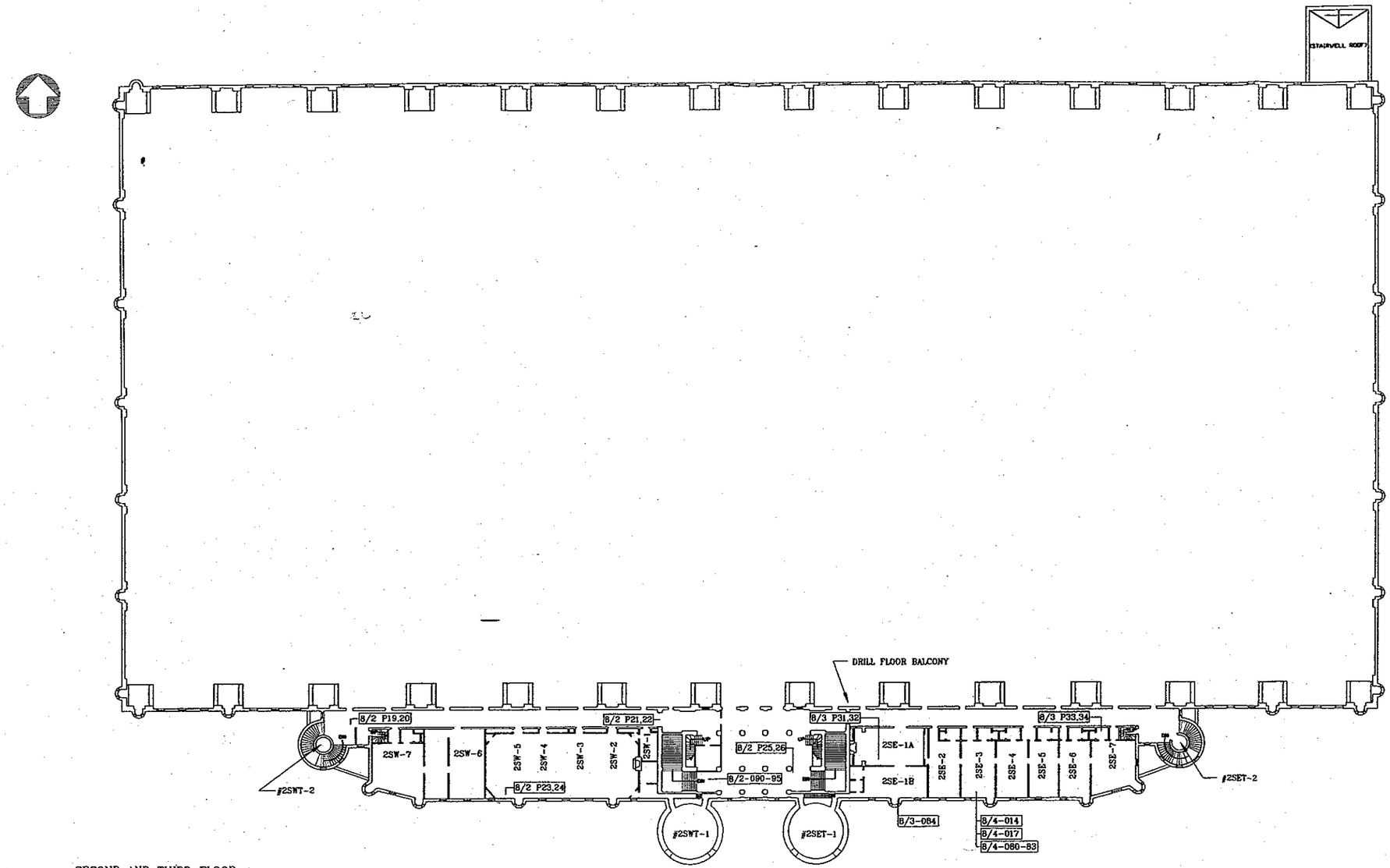
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BASEMENT MEZZANINE PLAN

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SECOND AND THIRD FLOOR

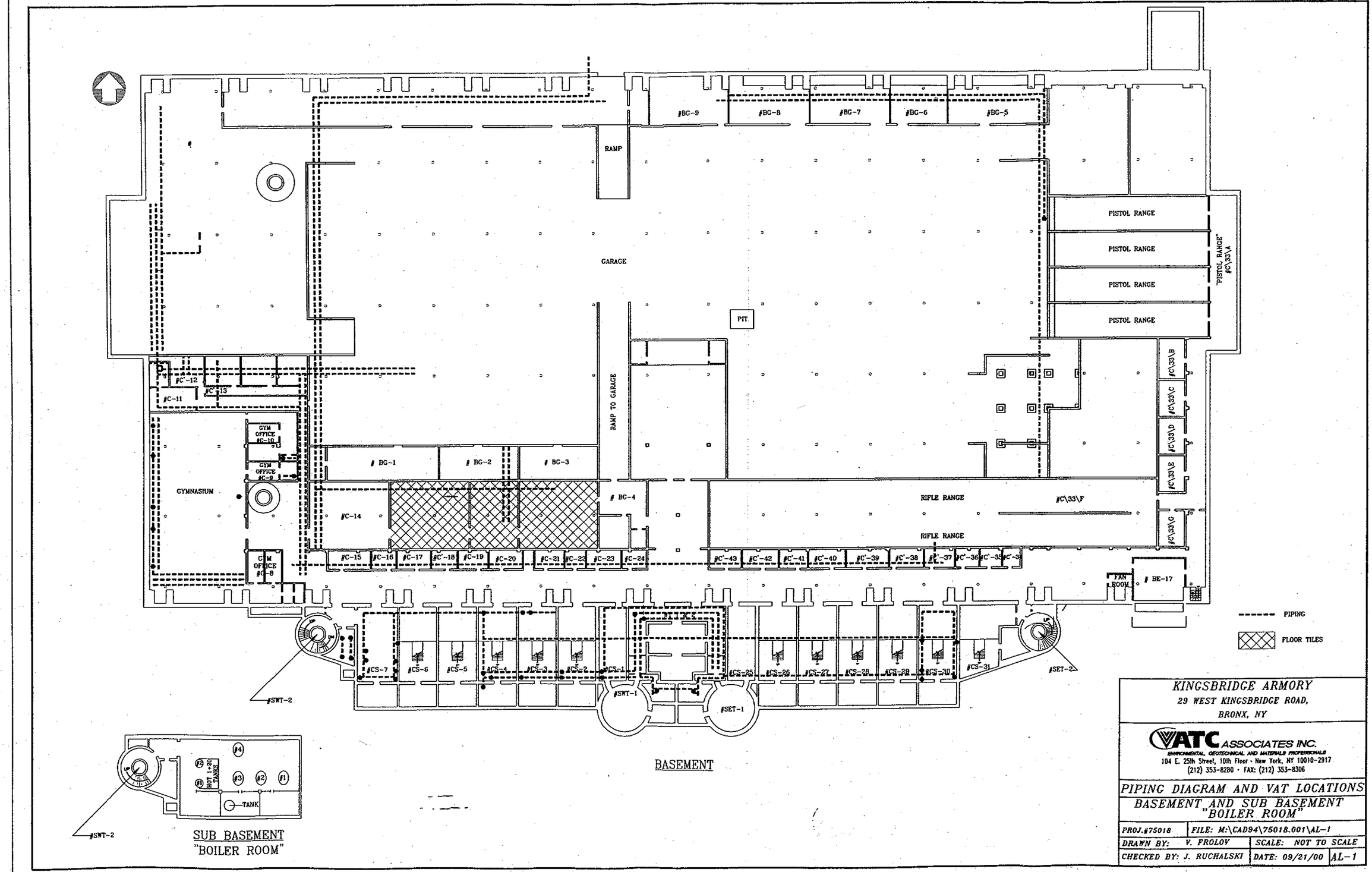
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ASBESTOS BULK SAMPLE LOCATIONS
SECOND AND THIRD FLOOR

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FILE: M:\CAD94\75018.001\AB-4



BASEMENT

SUB BASEMENT
"BOILER ROOM"

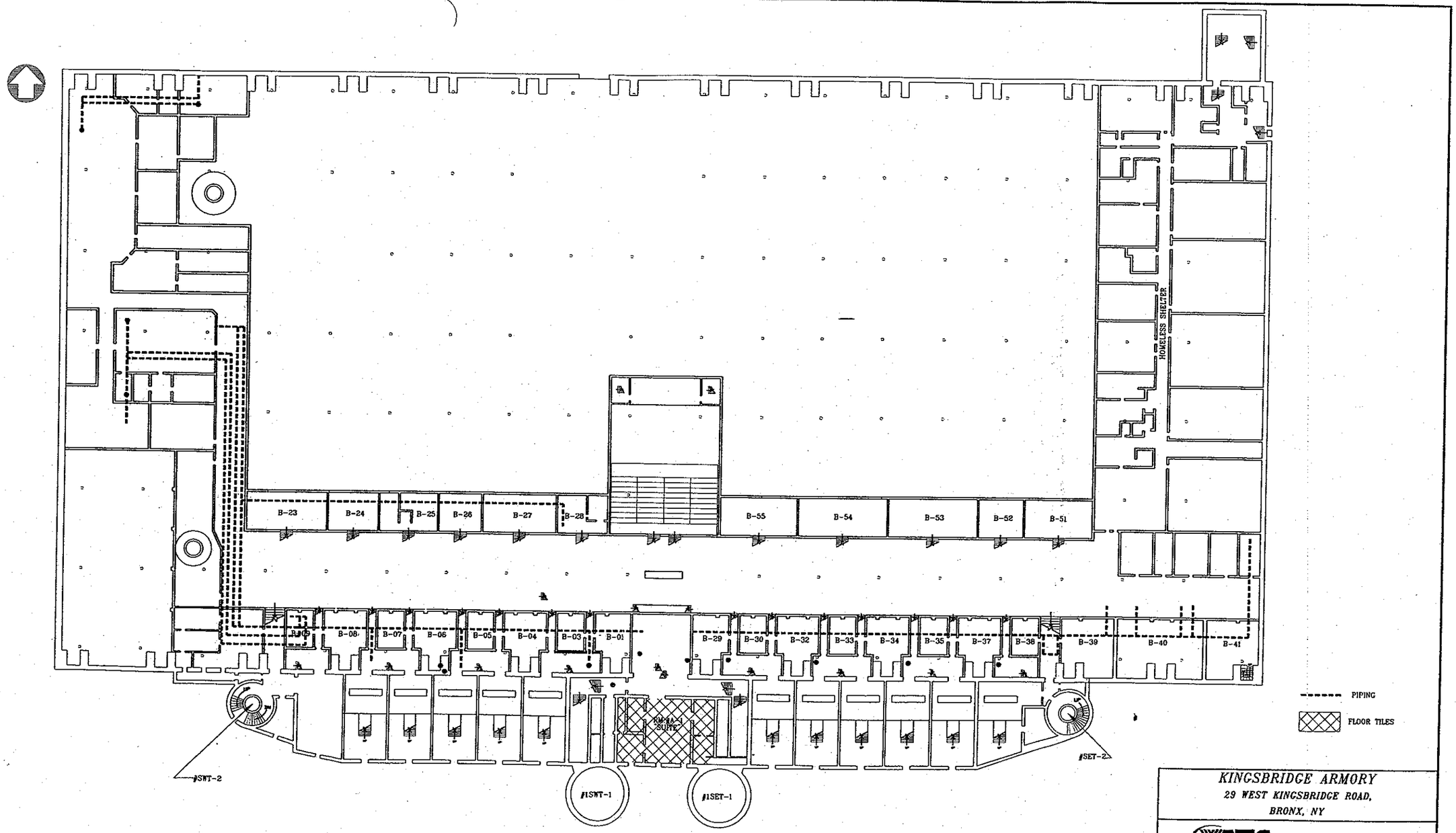
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PIPING DIAGRAM AND VAT LOCATIONS
BASEMENT AND SUB BASEMENT "BOILER ROOM"

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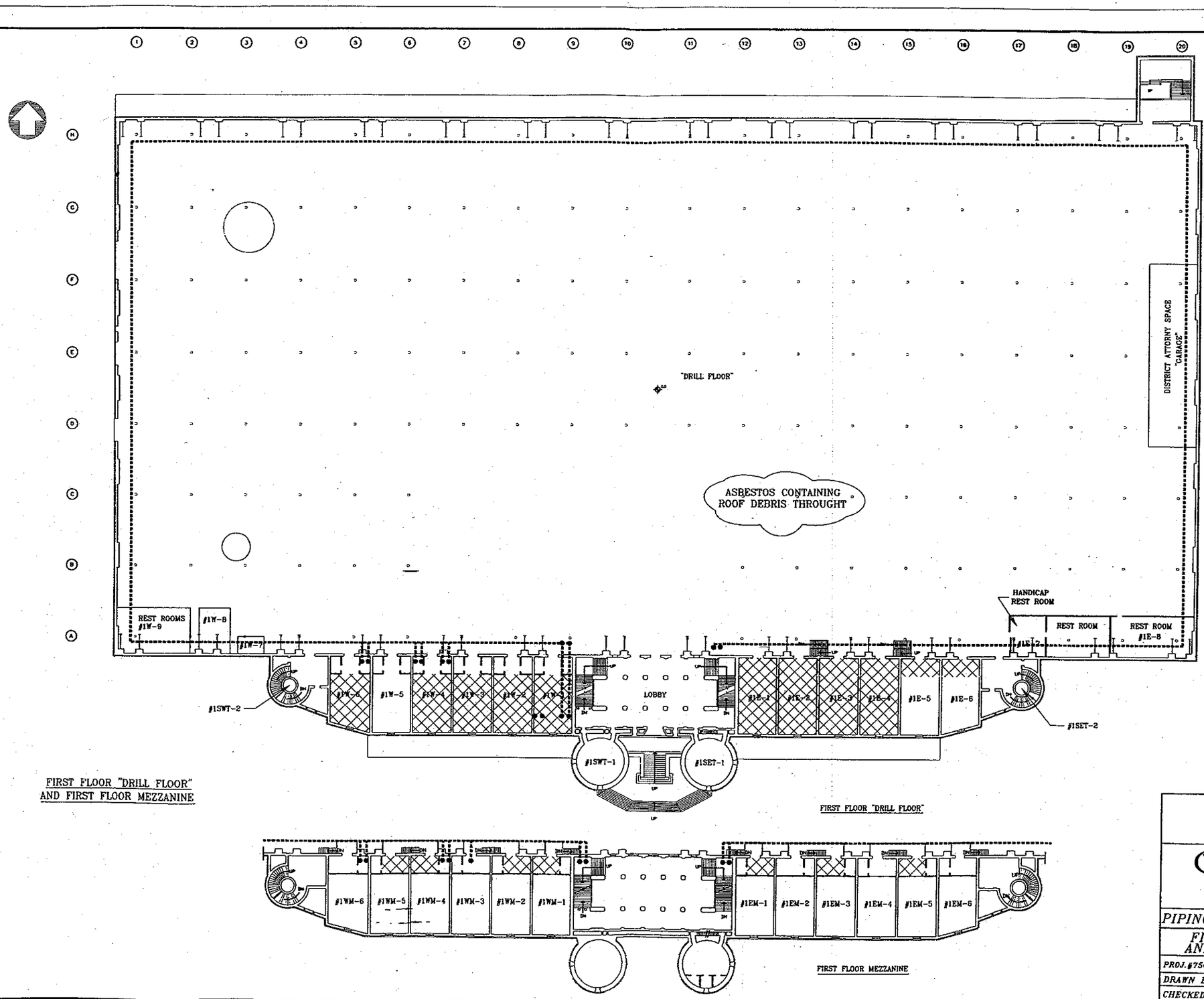


BASEMENT MEZZANINE PLAN

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PIPING DIAGRAM AND VAT LOCATIONS
BASEMENT MEZZANINE PLAN



FIRST FLOOR "DRILL FLOOR"
AND FIRST FLOOR MEZZANINE

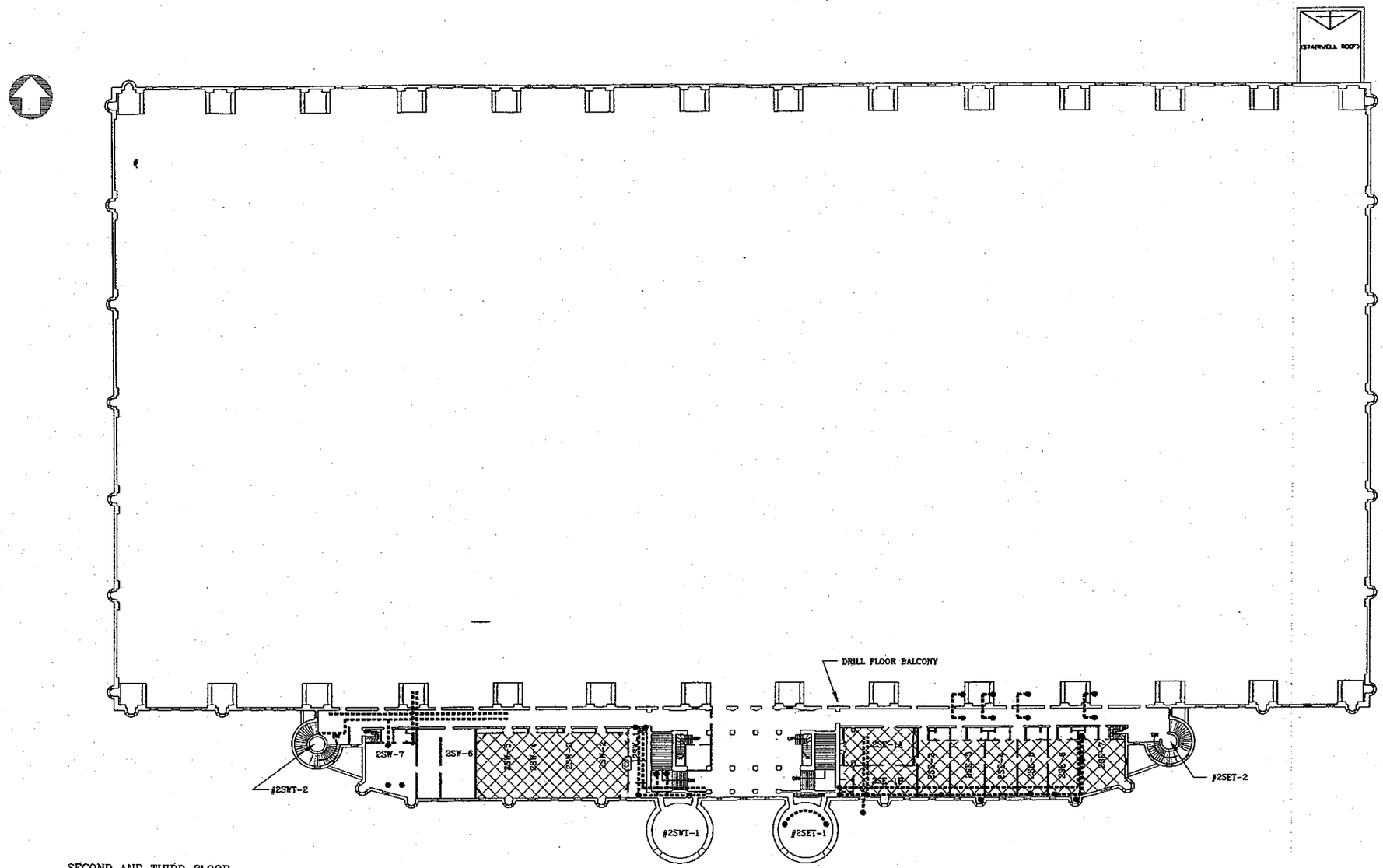
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PIPING DIAGRAM AND VAT LOCATIONS
FIRST FLOOR "DRILL FLOOR"
AND FIRST FLOOR MEZZANINE

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SECOND AND THIRD FLOOR

PIPING

FLOOR TILES

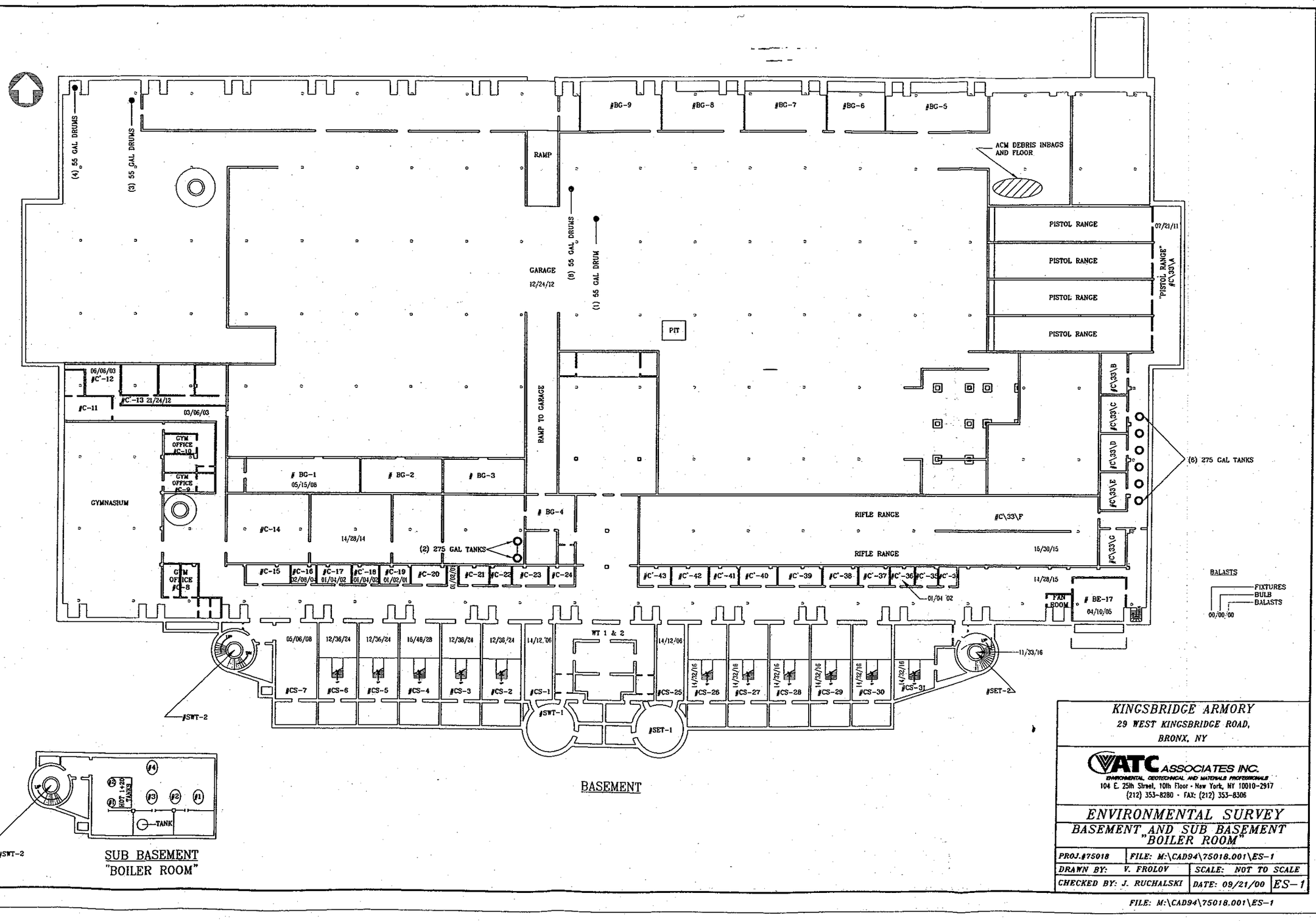
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PIPING DIAGRAM AND VAT LOCATIONS
SECOND AND THIRD FLOOR

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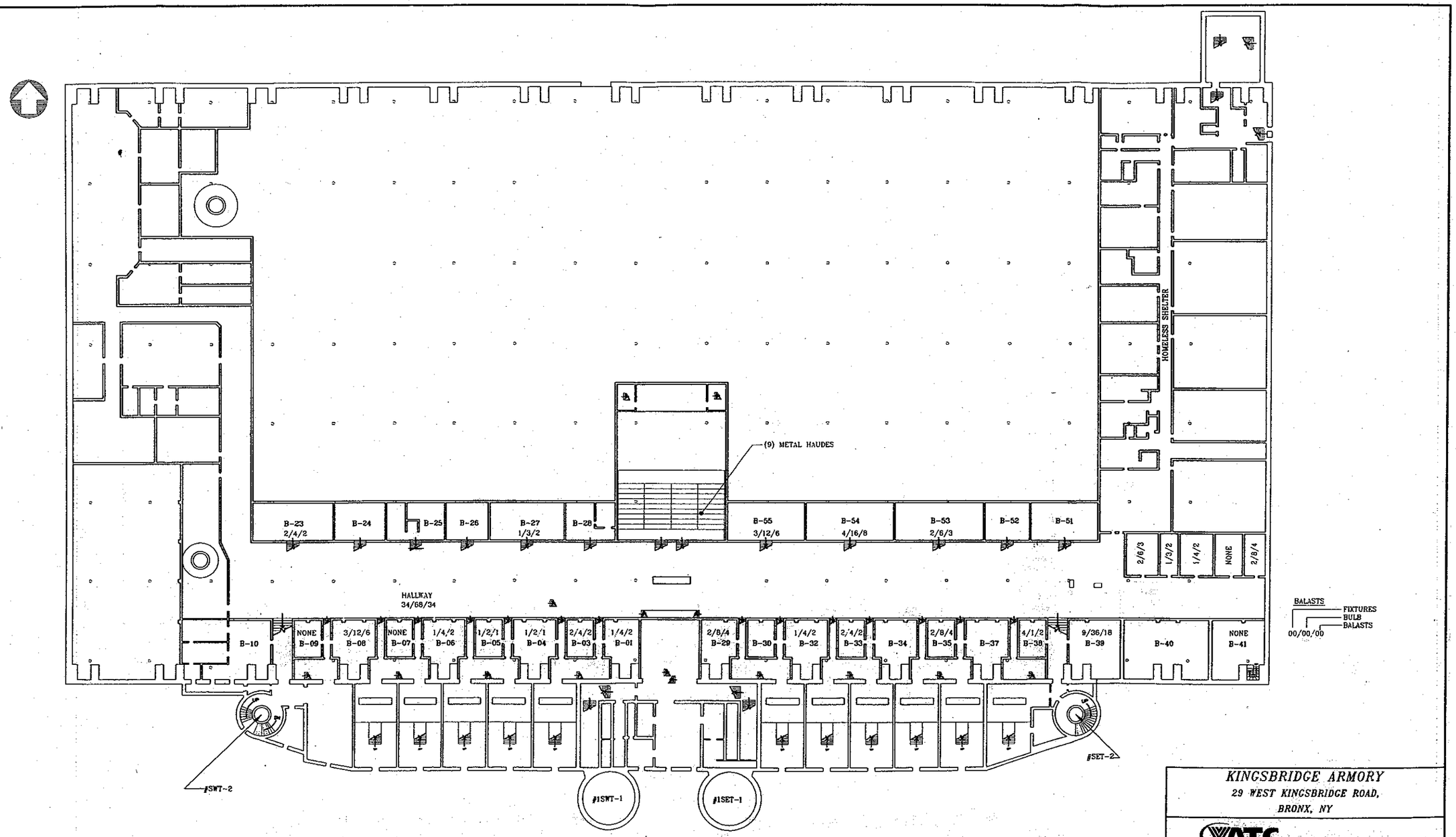
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ENVIRONMENTAL SURVEY
BASEMENT AND SUB BASEMENT "BOILER ROOM"

PROJ.#75018	FILE: M:\CAD94\75018.001\ES-1	
DRAWN BY: V. FROLOV	SCALE: NOT TO SCALE	
CHECKED BY: J. RUCHALSKI	DATE: 09/21/00	ES-1

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BASEMENT MEZZANINE PLAN

KINGSBRIDGE ARMORY
29 WEST KINGSBRIDGE ROAD,
BRONX, NY

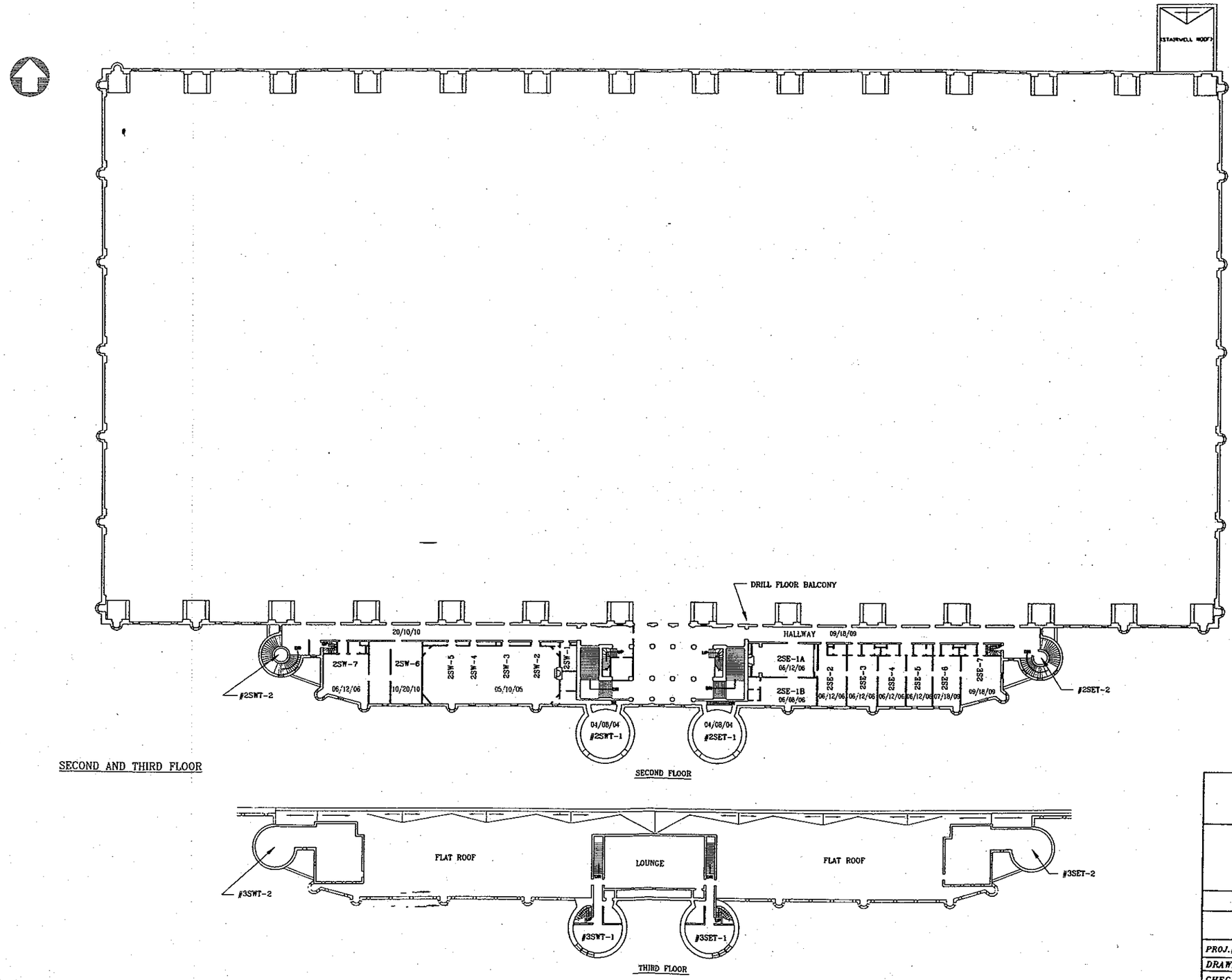
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ENVIRONMENTAL SURVEY

BASEMENT MEZZANINE PLAN

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SECOND AND THIRD FLOOR

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ENVIRONMENTAL SURVEY

SECOND AND THIRD FLOOR

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FILE: M:\CAD94\75018.001\ES-4

APPENDIX E:
XRF SURVEY DATA AND BULK SAMPLES

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/24	1	Calibrate						1.9		
7/24	2	Calibrate						1.7	Avg. 1.8	
7/24	3	Calibrate						1.8		
7/24	4	Boiler room	Wall	1	Concrete	White	Poor	>9.9	Positive	
7/24	5	Basement	Wall	2	Concrete	Grey	Poor	0.4		
7/24	6	Basement	Wall	3	Brick	Grey	Poor	7.1	Positive	
7/24	7	Basement	Wall	3	Concrete	White	Poor	0.5		
7/24	8	Basement	Wall	4	Concrete	Grey	Poor	8.5	Positive	
7/24	9	Basement	Column	6	Concrete	White	Poor	4.5	Positive	
7/24	10	Basement	Boiler units	6	Metal	Grey	Fair	0.0		
7/24	11	Basement	Hot water heater	1	Metal	Brown	Fair	0.4		
7/24	12	Basement	Horizontal duct	5	Metal	Grey	Fair	0.0		
7/24	13	Basement	Ceiling	5	Concrete	Grey	Poor	2.9	Positive	
7/24	14	Basement	Hand rail	2	Metal	Grey	Fair	0.4		
7/24	15	Basement	Stair tread	2	Metal	Grey	Poor	1.0	Positive	Negative
7/24	16	R#1	Wall	1	Concrete	White	Poor	-0.0		
7/24	17	R#1	Wall	3	Concrete	White	Poor	0.3		
7/24	18	R#1	Ceiling	5	Concrete	Grey	Poor	0.0		
7/24	19	R#2	Wall	1	Brick	White	Poor	0.1		
7/24	20	R#2	Wall	1	Concrete	White	Poor	0.2		
7/24	21	R#2	Wall	2	Concrete	White	Poor	-0.1		
7/24	22	R#2	Wall	3	Brick	Grey	Poor	>9.9	Positive	
7/24	23	R#2	Wall	4	Brick	White	Poor	-0.1		
7/24	24	R#2	Door	2	Metal	Grey	Poor	>9.9	Positive	

Tab. 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/24	25	R#2	Control panel	3	Metal	Grey	Poor	1.0		Negative
7/24	26	R#3	Door	1	Metal	Green	Poor	5.3	Positive	
7/24	27	R#3	Wall	1	Brick	White	Poor	-0.1		
7/24	28	R#3	Wall	2	Brick	White	Poor	-0.2		
7/24	29	R#3	Wall	3	Concrete	White	Poor	-0.1		
7/24	30	R#3	Wall	4	Concrete	White	Poor	-0.1		
7/24	31	R#3	Control panel	2	Metal	Green	Poor	0.0		
7/24	32	R#3	Cabin	1	Metal	Grey	Poor	0.5		
7/24	33	Boiler room	Door	4	Metal	Grey	Poor	>9.9	Positive	
7/24	34	R#4	Door	1	Metal	Grey	Poor	5.6	Positive	
7/24	35	R#4	Wall	1	Concrete	Grey	Poor	0.3		
7/24	36	R#4	Wall	2	Concrete	Grey	Poor	0.1		
7/24	37	R#4	Wall	3	Concrete	Grey	Poor	0.3		
7/24	38	R#4	Wall	4	Concrete	Grey	Poor	0.2		
7/24	39	R#5	Roof	1	Metal	Grey	Poor	>9.9	Positive	
7/24	40	R#5	Wall	1	Brick	Grey	Poor	-0.2		
7/24	41	R#5	Wall	2	Brick	Grey	Poor	-0.1		
7/24	42	R#5	Wall	3	Concrete	Grey	Poor	0.1		
7/24	43	R#5	Wall	4	Concrete	Grey	Poor	0.4		
7/24	44	R#5	Horizontal pipe	6	Metal	Grey	Fair	1.4	Positive	
7/24	45	R#5	Pipe riser	6	Metal	Grey	Fair	0.7		
7/24	46	R#5	Gas booster	6	Metal	Blue	Fair	-0.1		
7/24	47	R#6	Door	1	Metal	Grey	Poor	>9.9	Positive	
7/24	48	R#6	Wall	1	Concrete	Grey	Poor	-0.0		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/24	49	R#6	Wall	2	Concrete	Grey	Poor	0.0		
7/24	50	R#6	Wall	3	Concrete	White	Poor	-0.2		
7/24	51	R#6	Wall	4	Concrete	Grey	Poor	-0.0		
7/24	52	R#6	Wall	1	Concrete	White	Poor	0.4		
7/24	53	R#6	Wall	2	Concrete	Grey	Poor	7.9	Positive	
7/24	54	R#6	Wall	3	Concrete	White	Poor	-0.1		
7/24	55	R#6	Wall	4	Concrete	Grey	Poor	>9.9	Positive	
7/24	56	R#6	Door	1	Metal	Grey	Poor	0.1		
7/24	57	R#6	Door case	1	Metal	Grey	Poor	-0.1		
7/24	58	Staircase	Wall	2	Brick	White	Fair	3.6	Positive	
7/24	59	Staircase	Wall	3	Brick	Grey	Fair	>9.9	Positive	
7/24	60	Staircase	Wall	4	Brick	Grey	Fair	2.0	Positive	
7/24	61	Staircase	Stair tread	6	Concrete	Grey	Poor	0.0		
7/24	62	Staircase	Stair riser	6	Concrete	Grey	Poor	0.1		
7/24	63	Staircase	Stringer	6	Concrete	Grey	Poor	-0.2		
7/24	64	Staircase	Hand rail	6	Brick	Grey	Poor	3.0	Positive	
7/24	65	Corridor	Wall	1	Brick	White	Poor	6.7	Positive	
7/24	66	Mezzanine	Wall	2	Brick	Grey	Poor	7.3	Positive	
7/24	67	Basement	Wall	3	Brick	White	Poor	0.2	Positive	
7/24	68	Basement	Wall	3	Concrete	Grey	Poor	0.2		
7/24	69	Basement	Wall	4	Brick	White	Poor	5.2	Positive	
7/24	70	R#1	Door	1	Wood	Green	Poor	0.5		
7/24	71	SWTC	Door case	1	Wood	Green	Poor	0.3		
7/24	72	SWTC	Door case	1	Brick	Blue	Poor	-0.0		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/24	73	SWTC	Door case	2	Brick	Blue	Poor	0.1		
7/24	74	SWTC	Door case	3	Concrete	Blue	Poor	1.5	Positive	
7/24	75	R#1	Wall	4	Brick	Blue	Poor	0.5		
7/24	76	SWTC	Pipe riser	2	Metal	Blue	Poor	0.3		
7/24	77	R#2	Door	1	Metal	Blue	Poor	1.4	Positive	
7/24	78	SWTC	Door case	1	Metal	Blue	Poor	1.7	Positive	
7/24	79	SWTC	Wall	1	Brick	Blue	Poor	>9.9	Positive	
7/24	80	SWTC	Wall	2	Brick	Blue	Poor	>9.9	Positive	
7/24	81	SWTC	Wall	3	Brick	Blue	Poor	>9.9	Positive	
7/24	82	SWTC	Wall	4	Brick	Blue	Poor	>9.9	Positive	
7/24	83	SWTC	Pipe riser	4	Metal	Blue	Poor	2.4	Positive	
7/24	84	SWTC	Window sash	3	Wood	Blue	Poor	>9.9	Positive	
7/24	85	SWTC	Window sash	3	Wood	Blue	Poor	>9.9	Positive	
7/24	86	SWTC	Window case	3	Wood	Blue	Poor	>9.9	Positive	
7/24	87	SWTC	Window apron	3	Wood	Blue	Poor	>9.9	Positive	
7/24	88	Corridor	Radiator	1	Metal	White	Poor	0.4		
7/24	89	R#4	Door 1	1	Metal	Grey	Poor	1.0	Positive	
7/24	90	C16	Door case	1	Metal	Grey	Poor	1.9	Positive	
7/24	91	C16	Door 2	1	Metal	Grey	Poor	-0.1		
7/24	92	C16	Wall	1	Concrete	Blue	Poor	0.1		
7/24	93	C16	Wall	2	Concrete	Blue	Poor	-0.4		
7/24	94	C16	Wall	3	Brick	Blue	Poor	0.5		
7/24	95	C16	Wall	4	Concrete	Blue	Poor	0.3		
7/24	96	C16	Beam	3	Metal	Blue	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/24	97	R#5	Door 1	1	Metal	Grey	Poor	4.2	Positive	
7/24	98	C17	Door case	1	Metal	Grey	Poor	-0.2		
7/24	99	C17	Door 2	1	Metal	Grey	Poor	-0.0		
7/24	100	C17	Wall	1	Concrete	White	Poor	-0.1		
7/24	101	C17	Wall	2	Concrete	Grey	Poor	0.1		
7/24	102	C17	Wall	3	Brick	White	Poor	0.3		
7/24	103	C17	Wall	4	Brick	Grey	Poor	0.1		
7/24	104	C17	Beam	3	Metal	White	Poor	>9.9	Positive	
7/24	105	C17	Pipe riser	5	Metal	White	Poor	9.1	Positive	
7/24	106	R#6	Door	1	Metal	Black	Poor	2.2	Positive	
7/24	107	C18	Door case	1	Metal	Grey	Poor	-0.1		
7/24	108	C18	Door case	1	Metal	Grey	Poor	0.3		
7/24	109	C18	Wall	1	Concrete	Grey	Poor	-0.3		
7/24	110	C18	Wall	2	Concrete	White	Poor	0.3		
7/24	111	C18	Wall	3	Brick	Grey	Poor	-0.1		
7/24	112	R#6	Wall	4	Concrete	Grey	Poor	-0.0		
7/24	113	C18	Beam	3	Metal	Grey	Poor	>9.9	Positive	
7/24	114	C18	Pipe	5	Metal	Grey	Poor	7.1	Positive	
7/24	115	C18	Frame	4	Wood	Grey	Poor	0.1		
7/24	116	R#7	Door	1	Metal	Grey	Poor	1.4	Positive	
7/24	117	C19	Door case	1	Metal	Grey	Poor	2.3	Positive	
7/24	118	C19	Door	1	Metal	Grey	Poor	0.0		
7/24	119	C19	Wall	1	Concrete	Grey	Poor	3.7	Positive	
7/24	120	C19	Wall	2	Concrete	Grey	Poor	6.0	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/24	121	C19	Wall	3	Brick	Grey	Poor	5.1	Positive	
7/24	122	C19	Wall	4	Concrete	Grey	Poor	1.4	Positive	
7/24	123	C19	Beam	3	Metal	Grey	Poor	>9.9	Positive	
7/24	124	C19	Horizontal pipe	5	Metal	Grey	Poor	9.4	Positive	
7/24	125	C19	Shelf	3	Wood	Grey	Poor	-0.1		
7/24	126	C19	Shelf sup.	1	Wood	Grey	Poor	0.3		
7/24	127	Alarm	Gate	1	Metal	Grey	Poor	-0.1		
7/24	128	Control room	Wall	2	Concrete	Grey	Fair	+0.2		
7/24	129	Control room	Wall	3	Brick	Grey	Poor	0.3		
7/24	130	Control room	Wall	4	Concrete	Grey	Fair	-0.0		
7/24	131	Control room	Pipe horizontal	5	Metal	Grey	Poor	>9.9	Positive	
7/24	132	Control room	Control panel	4	Metal	Red	Fair	0.0		
7/24	133	Control room	Beam	3	Metal	White	Poor	>0.0	Positive	
7/24	134	R#8	Door	1	Metal	Grey	Poor	1.4	Positive	
7/24	135	C21	Door case	1	Metal	Grey	Poor	2.4	Positive	
7/24	136	C21	Wall	1	Concrete	White	Poor	2.6	Positive	
7/24	137	C21	Wall	2	Concrete	Grey	Poor	2.4	Positive	
7/24	138	C21	Wall	3	Brick	White	Poor	5.7	Positive	
7/24	139	C21	Wall	4	Concrete	Grey	Poor	0.0		
7/24	140	C21	Beam	3	Metal	Grey	Poor	>9.9	Positive	
7/24	141	C21	Pillar	3	Brick	White	Poor	3.8	Positive	
7/24	142	C21	Pipe horizontal	5	Metal	Grey	Poor	>9.9	Positive	
7/24	143	C21	Floor	6	Concrete	Grey	Poor	0.5		
7/24	144	R#	Door 1	1	Metal	Grey	Poor	1.4	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/24	145	C41	Door case	1	Metal	Grey	Poor	3.1	Positive	
7/24	146	C41	Wall	1	Concrete	Grey	Poor	0.4		
7/24	147	C41	Wall	2	Concrete	Grey	Poor	-0.1		
7/24	148	C41	Wall	3	Brick	Grey	Poor	-0.0		
7/24	149	RC41	Wall	4	Concrete	Grey	Poor	-0.1		
7/24	150	RC41	Beam	3	Metal	Grey	Poor	>9.9	Positive	
7/24	151	RC41	Pillar	3	Brick	Grey	Poor	0.1		
7/24	152	RC41	Horizontal pipe	5	Metal	Grey	Poor	>9.9	Positive	
7/24	153	RC41	Door 2	1	Metal	Grey	Poor	-0.1		
7/24	154	RC33E	Door	1	Metal	Grey	Fair	1.4	Positive	
7/24	155	RC33E	Door case	1	Metal	Grey	Fair	2.5	Positive	
7/24	156	RC33E	Wall	3	Brick	White	Poor	0.3		
7/24	157	RC33E	Pipe riser	3	Metal	White	Poor	1.4	Positive	
7/24	158	RC33E	Beam	5	Metal	Beige	Fair	>9.9	Positive	
7/24	159	RC33E	Ceiling	6	Concrete	White	Fair	-0.0		
7/25	1	Calibrate						1.9		
7/25	2	Calibrate						1.7	Avg. 1.8	
7/25	3	Calibrate						1.7		
7/25	4	Office 1	Door	1	Metal	Grey	Poor	0.0		
7/25	5	Basement	Door case	1	Metal	Grey	Poor	-0.1		
7/25	6	Basement	Wall	1	Plaster	Blue	Poor	>9.9	Positive	
7/25	7	Basement	Wall	2	Plaster	Blue	Poor	>9.9	Positive	
7/25	8	Basement	Wall	3	Plaster	Beige	Poor	>9.9	Positive	
7/25	9	Basement	Wall	4	Plaster	Beige	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/25	10	Basement	Ceiling	5	Plaster	Beige	Poor	>9.9	Positive	
7/25	11	Basement	Partition	2	Wood	Blue	Poor	2.5	Positive	
7/25	12	Basement	Baseboard	2	Wood	Blue	Poor	0.4		
7/25	13	Basement	Radiator	2	Metal	Silver	Poor	0.1		
7/25	14	Basement	Radiator cover	2	Metal	Blue	Poor	0.5		
7/25	15	Basement	Window sill	2	Wood	Blue	Poor	2.4	Positive	
7/25	16	Basement	Window case	2	Wood	Blue	Poor	2.4	Positive	
7/25	17	Basement	Window apron	2	Wood	Blue	Poor	1.6	Positive	
7/25	18	Basement	Pipe	5	Metal	Beige	Poor	>9.9	Positive	
7/25	19	Basement	Partition	3	Wood	White	Poor	1.5	Positive	
7/25	20	Bay area	Wall	1	Brick	Beige	Poor	0.3		
7/25	21	By shelter	Wall	2	Brick	Grey	Poor	8.3	Positive	
7/25	22	By shelter	Wall	3	Brick	Beige	Poor	-0.0		
7/25	23	By shelter	Wall	4	Brick	White	Poor	>9.9	Positive	
7/25	24	By shelter	I-beams	6	Metal	White	Poor	>9.9	Positive	
7/25	25	By shelter	I-beams	6	Metal	Grey	Poor	>9.9	Positive	
7/25	26	By shelter	I-beams	6	Metal	White	Poor	>9.9	Positive	
7/25	27	By shelter	Stair tread	6	Concrete	Grey	Poor	0.0		
7/25	28	By shelter	Stair riser	6	Concrete	Grey	Poor	0.4		
7/25	29	By shelter	Stair tread	6	Wood	Grey	Poor	-0.0		
7/25	30	By shelter	Stair riser	6	Wood	Grey	Poor	0.3		
7/25	31	By shelter	Stair stringer	6	Wood	Grey	Poor	0.2		
7/25	32	By shelter	Column	6	Brick/Concrete	Grey	Poor	>9.9	Positive	
7/25	33	RB7	Door	1	Brick/Concrete	Grey	Poor	4.4	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/25	34	RB7	Door case	1	Brick/Concrete	Grey	Poor	5.1	Positive	
7/25	35	RB7	Wall	1	Brick	Grey	Poor	2.6	Positive	
7/25	36	RB7	Wall	2	Concrete	Grey	Poor	9.7	Positive	
7/25	37	RB7	Wall	2	Wood	Grey	Poor	0.0		
7/25	38	RB7	Wall	3	Brick	White	Poor	3.0	Positive	
7/25	39	RB7	Wall	4	Brick	Grey	Poor	4.1	Positive	
7/25	40	RB7	Pillar	3	Brick	Grey	Poor	3.1	Positive	
7/25	41	RB7	Beam	5	Metal	Grey	Poor	7.5	Positive	
7/25	42	RB7	Shelf	1	Wood	Grey	Poor	0.1		
7/25	43	RB7	Shelf support	1	Wood	Grey	Poor	2.8	Positive	
7/25	44	RB7	Floor	6	Concrete	Grey	Poor	1.0	Positive	
7/25	45	RB55	Door	1	Metal	Green	Poor	0.2		
7/25	46	RB55	Door case	1	Metal	Green	Poor	3.7	Positive	
7/25	47	RB55	Wall	1	Brick	White	Poor	-0.0		
7/25	48	RB55	Wall	2	Plaster	Grey	Poor	-0.1		
7/25	49	RB55	Wall	3	Plaster	Grey	Poor	-0.1		
7/25	50	RB55	Wall	4	Wood	Grey	Poor	2.3	Positive	
7/25	51	RB55	Beam	5	Metal	White	Poor	4.3	Positive	
7/25	52	RB55	Shelf	4	Wood	Grey	Poor	0.4		
7/25	53	RB55	Shelf	4	Wood	Grey	Poor	0.6		
7/25	54	B32	Door	1	Metal	Grey	Poor	4.5	Positive	
7/25	55	B32	Door case	1	Metal	Grey	Poor	5.5	Positive	
7/25	56	B32	Wall	1	Brick	Grey	Poor	0.7		
7/25	57	B32	Wall	2	Brick	Grey	Poor	3.7	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/25	58	B32	Wall	3	Brick	Grey	Poor	-0.0		
7/25	59	B32	Wall	4	Brick	Grey	Poor	4.7	Positive	
7/25	60	B32	Beam	5	Brick	Grey	Poor	6.2	Positive	
7/25	61	B32	Shelf	3	Wood	Grey	Poor	-0.1		
7/25	62	B32	Shelf support	3	Wood	Grey	Poor	0.0		
7/25	63	Balcony	Door	1	Wood	Grey	Poor	0.0		
7/25	64	Lecture hall	Door case	1	Metal	Grey	Poor	0.6		
7/25	65	Lecture hall	Wall	1	Concrete	Grey	Poor	-0.1		
7/25	66	Lecture hall	Wall	2	Concrete	Grey	Poor	0.3		
7/25	67	Lecture hall	Wall	4	Concrete	Grey	Poor	-0.1		
7/25	68	Lecture hall	Stair tread	1	Concrete	Grey	Poor	0.3		
7/25	69	Lecture hall	Stair riser	1	Concrete	Grey	Poor	-0.1		
7/25	70	Lecture hall	Hand rail	2	Metal	Grey	Poor	8.7	Positive	
7/25	71	Lecture hall	Floor	6	Concrete	Grey	Poor	-0.3		
7/25	72	RB13	Door	1	Metal	Green	Poor	0.4		
7/25	73	RB13	Door case	1	Metal	Green	Poor	0.3		
7/25	74	RB13	Wall	1	Brick	White	Poor	1.7	Positive	
7/25	75	RB13	Wall	2	Brick	Green	Poor	2.8	Positive	
7/25	76	RB13	Wall	3	Brick	Green	Poor	3.1	Positive	
7/25	77	RB13	Wall	4	Brick	Green	Poor	2.3	Positive	
7/25	78	RB13	Pipe riser	1	Metal	Green	Poor	2.1	Positive	
7/25	79	RB13	Radiator	3	Metal	Green	Poor	2.3	Positive	
7/25	80	RB13	Floor	6	Concrete	Green	Poor	1.7	Positive	
7/25	81	RB13	Cabinet door	3	Wood	Green	Poor	0.2		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/25	82	RB13	Cabinet door case	3	Wood	Green	Poor	0.2		
7/25	83	RB17	Door	1	Metal	Green	Poor	0.5		
7/25	84	RB17	Door case	1	Metal	Green	Poor	2.1	Positive	
7/25	85	RB17	Wall	1	Brick	Green	Poor	-0.1		
7/25	86	RB17	Wall	2	Brick	White	Poor	3.5	Positive	
7/25	87	RB17	Wall	3	Brick	Green	Poor	0.1		
7/25	88	RB17	Wall	4	Brick	White	Poor	0.2		
7/25	89	RB17	Column I-beam	6	Metal	White	Poor	>9.9	Positive	
7/25	90	RB17	Window sill	4	Wood	Green	Poor	0.1		
7/25	91	RB17	Window case	1	Wood	Green	Poor	0.1		
7/25	92	RB17	Window apron	1	Wood	Green	Poor	-0.0		
7/25	93	RB17	Window sash	1	Wood	Green	Poor	0.0		
7/25	94	RB17	Radiator	1	Metal	Silver	Poor	4.8	Positive	
7/25	95	RB17	Pipe riser	6	Metal	Grey	Poor	0.4		
7/25	96	RB17	Floor	6	Concrete	Grey	Poor	0.3		
7/25	97	RB20	Door	1	Metal	Grey	Poor	0.4		
7/25	98	RB20	Door case	1	Metal	Grey	Poor	>9.9	Positive	
7/25	99	RB20	Wall	1	Brick	White	Poor	>9.9	Positive	
7/25	100	RB20	Wall	2	Brick	Grey	Poor	>9.9	Positive	
7/25	101	RB20	Wall	3	Brick	White	Poor	>9.9	Positive	
7/25	102	RB20	Wall	4	Brick	Grey	Poor	>9.9	Positive	
7/25	103	RB20	I-beam	6	Metal	Grey	Poor	>9.9	Positive	
7/25	104	RB20	Shelf	2	Wood	Grey	Poor	0.2		
7/25	105	RB20	Shelf support	2	Wood	Grey	Poor	0.4		

Table
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/25	106	RB20	Floor	6	Concrete	Grey	Poor	0.5		
7/25	107	Bay #2	Wall	1	Plaster	Grey	Poor	0.0		
7/25	108	Bay #2	Wall	2	Brick	Grey	Poor	0.1		
7/25	109	Bay #2	Wall	3	Concrete	Grey	Poor	0.2		
7/25	110	Bay #2	Wall	4	Plaster	Grey	Poor	0.2		
7/25	111	Bay #2	I-beam	6	Metal	Grey	Poor	-0.1		
7/25	112	Bay #2	Pipe riser	3	Metal	Grey	Poor	2.9	Positive	
7/25	113	Bay #2	Radiator	3	Metal	Grey	Poor	0.1		
7/25	114	Gym	Door	1	Metal	Grey	Poor	2.1	Positive	
7/25	115	Gym	Door case	1	Metal	Grey	Poor	>9.9	Positive	
7/25	116	Gym	Wall	1	Brick	White	Poor	>9.9	Positive	
7/25	117	Gym	Wall	2	Brick	White	Poor	>9.9	Positive	
7/25	118	Gym	Wall	3	Concrete	White	Poor	>9.9	Positive	
7/25	119	Gym	Wall	4	Brick	White	Poor	>9.9	Positive	
7/25	120	Gym	I-beam	6	Metal	White	Poor	>9.9	Positive	
7/25	121	Gym	Pipe riser	3	Metal	White	Poor	0.6		
7/25	122	Gym	Hand rail	1	Metal	White	Poor	1.9	Positive	
7/25	123	Gym	Stair tread	1	Metal	White	Poor	3.5	Positive	
7/25	124	Gym	Newel post	1	Metal	White	Poor	>9.9	Positive	
7/25	125	Gym	Stringer	1	Metal	White	Poor	>9.9	Positive	
7/25	126	RB12	Door	1	Metal	Beige	Poor	0.2		
7/25	127	RB12	Door case	1	Metal	Beige	Poor	2.3	Positive	
7/25	128	RB12	Wall	1	Brick	White	Poor	>9.9	Positive	
7/25	129	RB12	Wall	2	Brick	White	Poor	0.2		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/25	130	RB12	Wall	4	Brick	White	Poor	>9.9	Positive	
7/25	131	RB12	Radiator	1	Metal	White	Poor	0.2		
7/25	132	RB12	Grate column	2	Concrete	White	Poor	0.0		
7/25	133	RB12	Guard rail	3	Metal	White	Poor	3.9	Positive	
7/25	134	RB12	Found floor	6	Concrete	Grey	Poor	0.5		
7/25	135	Gym	Door	1	Wood	Brown	Poor	0.3		
7/25	136	Office	Door case	1	Wood	Brown	Poor	0.1		
7/25	137	Area #2	Wall	1	Plaster	Blue	Poor	>9.9	Positive	
7/25	138	Area #2	Wall	2	Plaster	Blue	Poor	>9.9	Positive	
7/25	139	Area #2	Wall	3	Plaster	Blue	Poor	>9.9	Positive	
7/25	140	Area #2	Wall	4	Plaster	Blue	Poor	>9.9	Positive	
7/25	141	Area #2	Pipe riser	2	Plaster	White	Poor	>9.9	Positive	
7/25	142	Area #2	Pillar	2	Metal	Blue	Poor	>9.9	Positive	
7/25	143	Area #2	Window case	4	Wood	Red	Poor	7.8	Positive	
7/25	144	Area #2	Window apron	4	Wood	Red	Poor	6.5	Positive	
7/25	145	Gym	Wall	1	Brick	White	Poor	0.3		
7/25	146	Foyer area	Wall	2	Brick	Grey	Poor	-0.0		
7/25	147	Foyer area	Wall	3	Brick	White	Poor	-0.1		
7/25	148	Foyer area	Wall	4	Brick	Grey	Poor	-0.0		
7/26	149	Gym	Greate column	2	Concrete	Grey	Poor	>9.9	Positive	
7/26	150	Foyer	I-beam	6	Metal	White	Poor	>9.9	Positive	
7/26	151	Firing range	Door	1	Metal	Beige	Poor	0.3		
7/26	152	Firing range	Door case	1	Metal	Beige	Poor	3.3	Positive	
7/26	153	Firing range	Wall	1	Brick	White	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	154	Firing range	Wall	2	Brick	Brown	Poor	0.1	Negative	
7/26	155	Firing range	Wall	3	Metal	White	Poor	1.8	Positive	
7/26	156	Firing range	Wall	4	Brick	Brown	Poor	-0.0		
7/26	157	Firing range	Duct	5	Metal	Beige	Poor	0.2		
7/26	158	Firing range	Horizontal pipe	5	Metal	Beige	Poor	-0.2		
7/26	159	Firing range	Partition wall	6	Brick	Beige	Poor	0.2		
7/26	160	Firing range	I-beam	6	Metal	Beige	Poor	-0.1		
7/26	161	Firing range	Beam	5	Metal	Beige	Poor	1.5	Positive	
7/26	162	Firing range	Gate	2	Metal	Grey	Poor	-0.1		
7/26	163	Firing range	Compressor	2	Metal	Green	Poor	0.6		
7/26	164	Firing range	Ceiling	5	Concrete	Beige	Fair	-0.0		
7/26	165	Calibrate						1.8		
7/26	166	Calibrate						1.7	Avg. 1.8	
7/26	167	Calibrate						1.8		
7/26	168	Calibrate						1.7		
7/26	169	Calibrate						1.6	Avg. 1.8	
7/26	170	Calibrate						1.7		
7/26	171	Basement	Wall	1	Plaster	Grey/blue	Poor	>9.9	Positive	
7/26	172	Lobby	Wall	2	Plaster	Grey/blue	Poor	0.1		
7/26	173	Mezzanine Area	Wall	3	Plaster	Grey/blue	Poor	>9.9	Positive	
7/26	174	Mezzanine Area	Wall	4	Plaster	Grey/grey	Poor	-0.0		
7/26	175	Mezzanine Area	Ceiling	5	Plaster	Grey/blue	Poor	>9.9	Positive	
7/26	176	Mezzanine Area	Pipe riser	4	Metal	Grey/blue	Poor	>9.9	Positive	
7/26	177	Mezzanine Area	Horizontal pipe	5	Metal	Grey/blue	Poor	1.4	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	178	Mezzanine Area	Column	6	Plaster	Grey/grey	Poor	>9.9	Positive	
7/26	179	Mezzanine Area	Baseboard	3	Wood	Grey/grey	Poor	1.5	Positive	
7/26	180	Mezzanine Area	Door	1	Wood	Grey/green	Poor	1.6	Positive	
7/26	181	Mezzanine Area	Door case	1	Wood	Grey/green	Poor	1.5	Positive	
7/26	182	Mezzanine Area	Floor	6	Concrete	Grey/grey	Poor	2.1	Positive	
7/26	183	Mezzanine Area	Hand rail	2	Metal	Grey/grey	Poor	7.8	Positive	
7/26	184	Mezzanine Area	Newel post	2	Metal	Grey/grey	Poor	7.6	Positive	
7/26	185	Mezzanine Area	Stair tread	2	Metal	Grey/grey	Poor	3.3	Positive	
7/26	186	Basement	Stair riser	6	Metal	Grey	Poor	5.5	Positive	
7/26	187	Mezzanine lobby	stringer	6	Metal	Grey	Poor	8.0	Positive	
7/26	188	Mezzanine lobby	Beam	1	Metal	Grey	Poor	>9.9	Positive	
7/26	189	RA1	Door	1	Wood	Brown	Poor	0.1		
7/26	190	RA1	Door case	1	Wood	Grey	Poor	1.3	Positive	
7/26	191	RA1	Wall	1	Plaster	Green	Poor	>9.9	Positive	
7/26	192	RA1	Wall	2	Plaster	Green	Poor	>9.9	Positive	
7/26	193	RA1	Wall	3	Plaster	Green	Poor	>9.9	Positive	
7/26	194	RA1	Wall	4	Plaster	Green	Poor	9.5	Positive	
7/26	195	RA1	Column	6	Plaster	Green	Poor	>9.9	Positive	
7/26	195	RA1	Baseboard	1	Wood	Grey	Poor	-0.1		
7/26	196	RA1	Radiator	3	Metal	Beige	Poor	0.1		
7/26	197	RA1	Window sill	3	Wood	Green	Poor	0.1		
7/26	198	RA1	Window case	3	Wood	Green	Poor	0.0		
7/26	199	RA1	Window apron	3	Wood	Green	Poor	0.0		
7/26	200	RA1	Window sash	3	Wood	Green	Poor	0.2		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	201	RA1	Beam	5	Plaster	Green	Poor	>9.9	Positive	
7/26	202	RA1	Ceiling	5	Plaster	Green	Poor	>9.9	Positive	
7/26	203	Bsmnt, Staircase A	Door	1	Metal	Green	Poor	1.8	Positive	
7/26	204	Bsmnt, Staircase A	Door case	1	Metal	Green	Poor	1.6	Positive	
7/26	205	Bsmnt, Staircase A	Wall	1	Plaster	Green	Poor	0.1		
7/26	206	Bsmnt, Staircase A	Wall	2	Plaster	Grey	Poor	>9.9	Positive	
7/26	207	Bsmnt, Staircase A	Wall	3	Plaster	Green	Poor	>9.9	Positive	
7/26	208	Bsmnt, Staircase A	Wall	4	Plaster	Grey	Poor	>9.9	Positive	
7/26	209	Bsmnt, Staircase A	Radiator cover	2	Metal	Grey	Poor	0.3		
7/26	210	Bsmnt, Staircase A	Radiator	2	Metal	Grey	Poor	1.7	Positive	
7/26	211	Bsmnt, Staircase A	Baseboard	4	Plaster	Grey	Poor	6.6	Positive	
7/26	212	Bsmnt, Staircase A	Ceiling	5	Plaster	Green	Poor	>9.9	Positive	
7/26	213	Bsmnt, Staircase A	Floor	6	Concrete	Grey	Poor	1.0	Positive	
7/26	214	Mezzanine	Wall	1	Brick	White	Poor	3.6	Positive	
7/26	215	Bsmnt, Staircase B	Wall	2	Brick	Grey	Poor	3.9	Positive	
7/26	216	Bsmnt, Staircase B	Wall	3	Brick	White	Poor	2.5	Positive	
7/26	217	Bsmnt, Staircase B	Wall	4	Brick	Grey	Poor	3.9	Positive	
7/26	218	Bsmnt, Staircase B	Hand rail	4	Metal	Grey	Poor	1.6	Positive	
7/26	219	Bsmnt, Staircase B	Stair tread	4	Concrete	Grey	Poor	0		
7/26	220	Bsmnt, Staircase B	Stair riser	4	Concrete	Grey	Poor	0.1		
7/26	221	Bsmnt, Staircase B	Stringer	4	Concrete	Grey	Poor	0.1		
7/26	222	Bsmt, mezzanine staircase B	Floor	6	Concrete	Grey	Poor	-0.0		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	223	Bsmt, mezzanine staircase B	Radiator cover	3	Metal	Grey	Poor	0.2		
7/26	224	Bsmt, mezzanine staircase B	Radiator	3	Metal	Grey	Poor	0.5		
7/26	225	RC'6	Door	1	Metal	Green	Poor	-0.1		
7/26	226	RC'6	Door case	1	Metal	Green	Poor	0.6		
7/26	227	RC'6	Wall	1	Brick	White	Poor	3.7	Positive	
7/26	228	RC'6	Wall	2	Brick	White	Poor	4.1	Positive	
7/26	229	RC'6	Wall	3	Brick	White	Poor	-0.2		
7/26	230	RC'6	Wall	4	Brick	White	Poor	4.8	Positive	
7/26	231	RC'6	Hand rail	6	Metal	Grey	Poor	-0.1		
7/26	232	RC'6	Newel post	6	Metal	Grey	Poor	1.4	Positive	
7/26	233	RC'6	Stair tread	6	Wood	Grey	Poor	-0.1		
7/26	234	RC'6	Stringer	6	Metal	Grey	Poor	0.2		
7/26	235	RC'6	Locker door	2	Metal	Grey	Poor	0.5		
7/26	236	RC'6	Beam	5	Metal	Grey	Poor	6.4	Positive	
7/26	237	RC'6	Floor	6	Wood	Grey	Poor	0.3		
7/26	238	RC'6	Floor	6	Concrete	Grey	Poor	3.4	Positive	
7/26	239	RC16A	Door	1	Wood	Stained	Poor	-0.1		
7/26	240	RC16A	Door case	1	Wood	Red	Poor	3.9	Positive	
7/26	241	RC16A	Wall	1	Brick	Blue	Poor	>9.9	Positive	
7/26	242	RC16A	Wall	2	Brick	Green	Poor	>9.9	Positive	
7/26	243	RC16A	Wall	3	Concrete	Beige	Poor	2.8	Positive	
7/26	244	RC16A	Wall	4	Brick	Beige	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	245	RC16A	Pipe riser	3	Metal	Blue	Poor	1.8	Positive	
7/26	246	RC16A	Duct	5	Metal	Blue	Poor	0.2		
7/26	247	RC14	Door	1	Metal	Green	Poor	-0.0		
7/26	248	RC14	Door case	1	Metal	Green	Poor	2.4	Positive	
7/26	249	RC14	Wall	1	Brick	Blue	Poor	3.5	Positive	
7/26	250	RC14	Wall	2	Brick	Blue	Poor	3.2	Positive	
7/26	251	RC14	Wall	3	Brick	Blue	Poor	4.1	Positive	
7/26	252	RC14	Wall	4	Brick	Blue	Poor	4.0	Positive	
7/26	253	RC14	Hand rail	6	Metal	Grey	Poor	0.5		
7/26	254	RC14	Newel post	6	Metal	Grey	Poor	0.2		
7/26	255	RC14	Stair tread	6	Wood	Grey	Poor	0.1		
7/26	256	RC14	Stringer	6	Metal	Grey	Poor	0.2		
7/26	257	RC14	Locker door	2	Metal	Blue	Poor	0.4		
7/26	258	RC14	Beam	5	Metal	Grey	Poor	3.6	Positive	
7/26	259	RC14A	Door	1	Wood	Blue	Poor	0.4		
7/26	260	RC14A	Door case	1	Wood	Blue	Poor	0.3		
7/26	261	RC14A	Wall	1	Brick	White	Poor	6.7	Positive	
7/26	262	RC14A	Wall	2	Brick	White	Poor	>9.9	Positive	
7/26	263	RC14A	Wall	3	Concrete	White	Poor	4.8	Positive	
7/26	264	RC14A	Wall	4	Brick	White	Poor	>9.9	Positive	
7/26	265	RC14A	Pipe riser	3	Metal	White	Poor	0.3		
7/26	266	RC14A	Duct	5	Metal	White	Poor	0.1		
7/26	267	R1-15	Door	1	Metal	Green	Poor	0.2		
7/26	268	R1-15	Door case	1	Metal	Green	Poor	-0.0		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	269	R1-15	Wall	1	Plaster	Beige	Poor	-0.1		
7/26	270	R1-15	Wall	2	Plaster	Beige	Poor	>9.9	Positive	
7/26	271	R1-15	Wall	3	Plaster	Beige	Poor	4.6	Positive	
7/26	272	R1-15	Wall	4	Plaster	Beige	Poor	3.4	Positive	
7/26	273	R1-15	Baseboard	2	Wood	Grey	Poor	-0.1		
7/26	274	R1-15	Chair rail	4	Wood	Beige	Poor	0.6		
7/26	275	R1-15	Wall molding	3	Wood	Beige	Poor	0.5		
7/26	276	R1-15	Radiator cover	2	Metal	White	Poor	9.1	Positive	
7/26	277	R1-15	Window sill	3	Wood	White	Poor	0.3		
7/26	278	R1-15	Window case	3	Wood	White	Poor	0.3		
7/26	279	R1-15	Window apron	3	Wood	White	Poor	0.3		
7/26	280	R1-15	Partition wall		Wood	Beige	Poor	-0.0		
7/26	281	R1-15	Ceiling	5	Plaster	Blue	Poor	5.3	Positive	
7/26	282	R1-15-A	Locker door	2	Metal	Grey	Poor	1.7	Positive	
7/26	283	R1-15-A	Door	1	Wood	Grey	Poor	3.4	Positive	
7/26	284	R1-15-A	Door case	1	Wood	Grey	Poor	0.4		
7/26	285	R1-15-A	Wall	1	Plaster	Blue	Poor	4.5	Positive	
7/26	286	R1-15-A	Wall	2	Plaster	Blue	Poor	3.8	Positive	
7/26	287	R1-15-A	Wall	3	Plaster	Blue	Poor	5.4	Positive	
7/26	288	R1-15-A	Wall	4	Plaster	Blue	Poor	1.2	Positive	
7/26	289	R1-15-A	Baseboard	2	Wood	Blue	Poor	0.8		
7/26	290	R1-15-A	Chair rail	3	Wood	Blue	Poor	2.5	Positive	
7/26	291	R1-15-A	Ceiling	5	Plaster	Blue	Poor	3.5	Positive	
7/26	292	R1-15-A	Horizontal pipe	5	Metal	Blue	Poor	0.5		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	293	RM1-15	Door	1	Wood	Green	Poor	1.5	Positive	
7/26	294	RM1-15	Door case	1	Wood	Green	Poor	2.1	Positive	
7/26	295	RM1-15	Wall	1	Concrete	White	Poor	2.4	Positive	
7/26	296	RM1-15	Wall	2	Concrete	White	Poor	2.9	Positive	
7/26	297	RM1-15	Wall	3	Concrete	White	Poor	0.2		
7/26	298	RM1-15	Wall	4	Concrete	Peach	Poor	3.3	Positive	
7/26	299	RM1-15	Baseboard	3	Wood	White	Poor	2.5	Positive	
7/26	300	RM1-15	Chair rail	2	Wood	White	Poor	2.2	Positive	
7/26	301	RM1-15	Radiator cover	2	Metal	White	Poor	0.3		
7/26	302	RM1-15	Radiator	2	Metal	White	Poor	0.1		
7/26	303	RM1-15	Window sill	3	Wood	White	Poor	2.2	Positive	
7/26	304	RM1-15	Window case	3	Wood	White	Poor	1.9	Positive	
7/26	305	RM1-15	Window sash	3	Wood	White	Poor	3.1	Positive	
7/26	306	RM1-15	Ceiling	5	Plaster	White	Poor	0.5		
7/26	307	RM1-15	Door	1	Wood	Beige	Poor	1.7	Positive	
7/26	308	RM1-15/Bath	Door case	1	Wood	Beige	Poor	5.2	Positive	
7/26	309	RM1-15/Bath	Wall	1	Plaster	Beige	Poor	4.9	Positive	
7/26	310	RM1-15/Bath	Wall	2	Plaster	Beige	Poor	4.5	Positive	
7/26	311	RM1-15/Bath	Wall	3	Plaster	Beige	Poor	4.7	Positive	
7/26	312	RM1-15/Bath	Wall	4	Plaster	Beige	Poor	0.4		
7/26	313	RM1-15/Bath	Radiator	1	Metal	Beige	Poor	0.7		
7/26	314	RM1-15/Bath	Cabinet door	3	Metal	Beige	Poor	7.3	Positive	
7/26	315	RM1-15/Bath	Horizontal pipe	5	Metal	Beige	Poor	0.5		
7/26	316	RM1-15/Bath	Window sill	4	Wood	Beige	Poor	3.5	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	317	RM1-15/Bath	Window case	4	Wood	Beige	Poor	2.8	Positive	
7/26	318	RM1-15/Bath	Window frame	4	Wood	Beige	Poor	2.8	Positive	
7/26	319	RM1-15/Bath	Ceiling	5	Plaster	Beige	Poor	3.8	Positive	
7/26	320	R1-12	Door	1	Metal	Green	Poor	0.2		
7/26	321	R1-12	Door case	1	Metal	Green	Poor	0.1		
7/26	322	R1-12	Wall	1	Plaster	Beige	Poor	5.0	Positive	
7/26	323	R1-12	Wall	2	Plaster	Beige	Poor	4.9	Positive	
7/26	324	R1-12	Wall	3	Plaster	Beige	Poor	6.3	Positive	
7/26	325	R1-12	Wall	4	Plaster	Beige	Poor	5.0	Positive	
7/26	326	R1-12	Baseboard	4	Wood	Grey	Poor	0.6		
7/26	327	R1-12	Wall molding	2	Wood	Grey	Poor	0.7		
7/26	328	R1-12	Radiator cover	2	Metal	Grey	Poor	1.6	Positive	
7/26	329	R1-12	Radiator	2	Metal	Black	Poor	0.6		
7/26	330	R1-12	Window sill	3	Wood	Grey	Poor	1.0	Positive	
7/26	331	R1-12	Window case	3	Wood	Grey	Poor	0.7		
7/26	332	R1-12	Window apron	3	Wood	Grey	Poor	0.2		
7/26	333	R1-12A	Door	1	Wood	Grey	Poor	2.3	Positive	
7/26	334	R1-12A	Door case	1	Wood	Grey	Poor	2.1	Positive	
7/26	335	R1-12A	Wall	1	Plaster	Beige	Poor	6.8	Positive	
7/26	336	R1-12A	Wall	2	Plaster	Beige	Poor	8.3	Positive	
7/26	337	R1-12A	Wall	3	Plaster	Beige	Poor	8.4	Positive	
7/26	338	R1-12A	Wall	4	Plaster	Beige	Poor	5.8	Positive	
7/26	339	R1-12A	Baseboard	1	Wood	Beige	Poor	7.3	Positive	
7/26	340	R1-12A	Pipe riser	2	Metal	Beige	Poor	7.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	341	R1-12A	Window case	4	Wood	Beige	Poor	0.6		
7/26	342	R1-12A	Window sash	4	Wood	Beige	Poor	2.5	Positive	
7/26	343	R1-12A	Ceiling	5	Plaster	Beige	Poor	3.2	Positive	
7/26	344	R1-12A	Shelf support	2	Wood	Beige	Poor	0.0		
7/26	345	Calibrate						1.9		
7/26	346	Calibrate						1.8	Avg. 1.9	
7/26	347	Calibrate						1.9		
7/26	348	R1-1	Door	1	Metal	Green	Poor	0.2		
7/26	349	R1-1	Door case	1	Metal	Green	Poor	-0.0		
7/26	350	R1-1	Wall	1	Plaster	Beige	Poor	1.0	Positive	
7/26	351	R1-1	Wall	2	Plaster	Beige	Poor	3.4	Positive	
7/26	352	R1-1	Wall	3	Plaster	Beige	Poor	3.4	Positive	
7/26	353	R1-1	Wall	4	Plaster	Beige	Poor	4.3	Positive	
7/26	354	R1-1	Baseboard	2	Wood	Black	Poor	0.5		
7/26	355	R1-1	Wall molding	3	Wood	Beige	Poor	1.0	Positive	
7/26	356	R1-1	Radiator	2	Metal	Beige	Poor	1.5		
7/26	357	R1-1	Window sill	3	Wood	Beige	Poor	0.2		
7/26	358	R1-1	Window case	3	Wood	Beige	Poor	-0.1		
7/26	359	R1-1	Window sash	3	Wood	Beige	Poor	0.2		
7/26	360	R1-1	Ceiling	5	Plaster	Beige	Poor	0.2		
7/26	361	R1-1A	Door	1	Wood	Varnish	Poor	0.1		
7/26	362	R1-1A	Door case	1	Wood	Varnish	Poor	1.0	Positive	
7/26	363	R1-1A	Wall	1	Plaster	Beige	Poor	>9.9	Positive	
7/26	364	R1-1A	Wall	2	Plaster	Beige	Poor	>9.9	Positive	

Table 1
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XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	365	R1-1A	Wall	3	Plaster	Beige	Poor	>9.9	Positive	
7/26	366	R1-1A	Wall	4	Plaster	Beige	Poor	>9.9	Positive	
7/26	367	R1-1A	Baseboard	3	Wood	Black	Poor	0.3		
7/26	368	R1-1A	Pipe riser	1	Metal	Beige	Poor	3.6	Positive	
7/26	369	R1-1A	Ceiling	5	Plaster	Beige	Poor	5.1	Positive	
7/26	370	RM1-1	Door	1	Wood	White	Poor	-0.1		
7/26	371	RM1-1	Door case	1	Wood	Green	Poor	-0.1		
7/26	372	RM1-1	Wall	1	Plaster	Beige	Poor	9.5	Positive	
7/26	373	RM1-1	Wall	2	Plaster	Beige	Poor	8.9	Positive	
7/26	374	RM1-1	Wall	3	Plaster	Beige	Poor	8.0	Positive	
7/26	375	RM1-1	Wall	4	Plaster	Beige	Poor	6.8	Positive	
7/26	376	RM1-1	Baseboard	4	Wood	Beige	Poor	1.4	Positive	
7/26	377	RM1-1	Window sill	3	Wood	Green	Poor	0.2		
7/26	378	RM1-1	Window case	3	Wood	Green	Poor	1.0	Positive	
7/26	379	RM1-1	Window sash	3	Wood	Varnish	Poor	5.2	Positive	
7/26	380	RM1-1	Radiator	2	Metal	Green	Poor	0.5		
7/26	381	RM1-1	Ceiling	5	Plaster	Beige	Poor	3.7	Positive	
7/26	382	RM1-1	Pipe riser	1	Metal	Beige	Poor	0.7		
7/26	383	RM1-1	Door	1	Wood	White	Poor	5.9	Positive	
7/26	384	RM1-1/Bath	Door case	1	Wood	Green	Poor	5.2	Positive	
7/26	385	RM1-1/Bath	Wall	1	Plaster	Beige	Poor	9.4	Positive	
7/26	386	RM1-1/Bath	Wall	2	Plaster	Beige	Poor	>9.9	Positive	
7/26	387	RM1-1/Bath	Wall	3	Plaster	Beige	Poor	9.1	Positive	
7/26	388	RM1-1/Bath	Wall	4	Plaster	Beige	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	389	RM1-1/Bath	Radiator	1	Metal	So;ver	Poor	-0.0		
7/26	390	RM1-1/Bath	Cabinet door	3	Metal	Beige	Poor	>9.9	Positive	
7/26	391	RM1-1/Bath	Pipe riser	4	Metal	Black	Poor	1.4	Positive	
7/26	392	RM1-1/Bath	Ceiling	5	Plaster	Beige	Poor	2.2	Positive	
7/26	393	R1-4	Door	1	Metal	Green	Poor	-0.0		
7/26	394	R1-4	Door case	1	Metal	Green	Poor	-0.1		
7/26	395	R1-4	Wall	1	Plaster	Green	Poor	1.6	Positive	
7/26	396	R1-4	Wall	2	Plaster	Beige	Poor	5.0	Positive	
7/26	397	R1-4	Wall	3	Plaster	Beige	Poor	4.6	Positive	
7/26	398	R1-4	Wall	4	Plaster	Beige	Poor	4.1	Positive	
7/26	399	R1-4	Wall	2	Plaster	White	Poor	4.1	Positive	
7/26	400	R1-4	Radiator cover	2	Metal	Silver	Poor	0.4		
7/26	401	R1-4	Radiator	2	Metal	Silver	Poor	0.5		
7/26	402	R1-4	Window sill	3	mw	Black	Poor	2.1	Positive	
7/26	403	R1-4	Window case	3	Wood	Black	Poor	0.1		
7/26	404	R1-4	Window apron	3	Wood	Black	Poor	1.7	Positive	
7/26	405	R1-4	Baseboard	2	Wood	Black	Poor	0.4		
7/26	406	R1-4	Ceiling	5	Plaster	Beige	Poor	0.0		
7/26	407	R1-4B	Door	1	Wood	White	Poor	1.0	Positive	
7/26	408	R1-4B	Door case	1	Wood	White	Poor	1.0	Positive	
7/26	409	R1-4B	Wall	1	Plaster	White	Poor	1.0	Positive	
7/26	410	R1-4B	Wall	2	Plaster	White	Poor	0.3		
7/26	411	R1-4B	Wall	3	Plaster	White	Poor	1.6	Positive	
7/26	412	R1-4B	Wall	4	Plaster	White	Poor	1.4	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	413	R1-4B	Baseboard	3	Wood	White	Poor	1.0	Positive	
7/26	414	R1-4B	Window sill	2	Wood	White	Poor	0.5		
7/26	415	R1-4B	Window case	2	Wood	White	Poor	0.5		
7/26	416	R1-4B	Window sash	2	Wood	White	Poor	0.5		
7/26	417	R1-4B	Ceiling	5	Plaster	White	Poor	0.6		
7/26	418	R1-4A	Door	1	Wood	Brown	Poor	1.3	Positive	
7/26	419	R1-4A	Door case	1	Wood	Green	Poor	1.0	Positive	
7/26	420	R1-4A	Wall	1	Plaster	Red	Poor	1.6	Positive	
7/26	421	R1-4A	Wall	2	Plaster	Red	Poor	2.0	Positive	
7/26	422	R1-4A	Wall	3	Plaster	Red	Poor	2.1	Positive	
7/26	423	R1-4A	Wall	4	Plaster	Red	Poor	0.1		
7/26	424	R1-4A	Baseboard	3	Wood	Red	Poor	2.0	Positive	
7/26	425	R1-4A	Chair rail	2	Wood	Red	Poor	0.6		
7/26	426	R1-4A	Window case	4	Wood	Brown	Poor	0.6		
7/26	427	R1-4A	Window sash	4	Wood	Brown	Poor	0.6		
7/26	428	R1-4A	Horizontal pipe	5	Metal	White	Poor	1.5	Positive	
7/26	429	R1-4A	Ceiling	5	Plaster	White	Poor	0.4		
7/26	430	R1-9	Door	1	Wood	Beige	Poor	0.2		
7/26	431	Ladies room	Door case	1	Wood	Green	Poor	0.0		
7/26	432	Ladies room	Wall	1	Concrete	Beige	Poor	-0.0		
7/26	433	Ladies room	Wall	2	Concrete	Beige	Poor	0.3		
7/26	434	Ladies room	Wall	3	Concrete	Beige	Poor	0.0		
7/26	435	Ladies room	Wall	4	Concrete	Beige	Poor	0.0		
7/26	436	Ladies room	Radiator	3	Metal	Beige	Poor	-0.0		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/26	437	Ladies room	Door case	3	Metal	Beige	Poor	-0.0		
7/26	438	Ladies room	Radiator cover	1	Metal	Beige	Poor	-0.1		
7/26	439	Ladies room	Pipe riser	3	Metal	Beige	Poor	6.8	Positive	
7/26	440	Ladies room	Wall	3	Brick	Beige	Poor	-0.0		
7/26	441	Calibrate						1.9		
7/26	442	Calibrate						1.8	Avg 1.9	
7/26	443	Calibrate						1.8		
7/27	444	Calibrate						1.8		
7/27	445	Calibrate						1.8		
7/27	446	Calibrate						1.8		
7/27	447	East tower office	Door	1	Wood	Brown	Poor	0.1		
7/27	448	East tower office	Door case	1	Wood	Brown	Poor	0.1		
7/27	449	East tower office	Upper wall	1	Plaster	Lylac	Poor	>9.9	Positive	
7/27	450	East tower office	Upper wall	2	Plaster	Lylac	Poor	>9.9	Positive	
7/27	451	East tower office	Upper wall	3	Plaster	Lylac	Poor	>9.9	Positive	
7/27	452	East tower office	Upper wall	4	Plaster	Lylac	Poor	>9.9	Positive	
7/27	453	East tower office	Lower wall	1	Plaster	Brown	Poor	>9.9	Positive	
7/27	454	East tower office	Lower wall	2	Plaster	Brown	Poor	>9.9	Positive	
7/27	455	East tower office	Lower wall	3	Plaster	Brown	Poor	>9.9	Positive	
7/27	456	East tower office	Lower wall	4	Plaster	Brown	Poor	>9.9	Positive	
7/27	457	East tower office	Baseboard	3	Wood	Brown	Poor	3.2	Positive	
7/27	458	East tower office	Chair rail	2	Wood	Brown	Poor	0.1		
7/27	459	East tower office	Radiator cover	2	Metal	Brown	Poor	>9.9	Positive	
7/27	460	East tower office	Radiator	2	Metal	Brown	Poor	0.2		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	461	East tower office	Horizontal pipe	3	Metal	Brown	Poor	0.2		
7/27	462	East tower office	Window sill	3	Wood	Brown	Poor	0.3		
7/27	463	East tower office	Window case	3	Wood	Brown	Poor	0.2		
7/27	464	East tower office	Window apron	3	Wood	Brown	Poor	0.0		
7/27	465	East tower office	Ceiling	5	Plaster	White	Poor	5.7	Positive	
7/27	466	Corridor to east tower office	Door	1	Wood	Varnish	Poor	0.0		
7/27	467	Corridor to east tower office	Door case	1	Wood	Blue	Poor	0.6		
7/27	468	Corridor to east tower office	Wall	1	Brick	Blue	Poor	-0.1		
7/27	469	Corridor to east tower office	Wall	2	Brick	White	Poor	-0.0		
7/27	470	Corridor to east tower office	Wall	3	Brick	Blue	Poor	0.0		
7/27	471	Corridor to east tower office	Wall	4	Brick	Blue	Poor	-0.0		
7/27	472	Corridor to east tower office	Pipe riser	2	Metal	Blue	Poor	0.6		
7/27	473	Corridor to east tower office	Shelf	3	Wood	Blue	Poor	3.8	Positive	
7/27	474	Corridor to east tower office	Shelf support	2	Wood	Blue	Poor	3.8	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	475	Corridor to east tower office	Window sill	4	Wood	Black	Poor	0.4		
7/27	476	Corridor to east tower office	Window case	4	Wood	Black	Poor	-0.1		
7/27	477	Corridor to east tower office	Window apron	4	Wood	Black	Poor	0.2		
7/27	478	Corridor to east tower office	Wall	2	Plaster	Green	Poor	>9.9	Positive	
7/27	479	Corridor to east tower office	Wall	3	Plaster	Green	Poor	>9.9	Positive	
7/27	480	Corridor to east tower office	Wall	4	Plaster	Green	Poor	>9.9	Positive	
7/27	481	Corridor to east tower office	Baseboard	4	Wood	Grey	Poor	4.2	Positive	
7/27	482	Corridor to east tower office	Ceiling	5	Plaster	Grey	Poor	>9.9	Positive	
7/27	483	West tower office	Door	1	Wood	Black	Poor	0.2		
7/27	484	West tower office	Door case	1	Wood	Black	Poor	5.2	Positive	
7/27	485	West tower office	Wall	1	Plaster	Beige	Poor	>9.9	Positive	
7/27	486	West tower office	Wall	2	Plaster	Beige	Poor	>9.9	Positive	
7/27	487	West tower office	Wall	3	Plaster	Beige	Poor	>9.9	Positive	
7/27	488	West tower office	Wall	4	Plaster	Beige	Poor	>9.9	Positive	
7/27	489	West tower office	Baseboard	2	Wood	Black	Poor	2.4	Positive	
7/27	490	West tower office	Radiator cover	4	Wood	Black	Poor	0.3		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	491	West tower office	Radiator	1	Metal	Silver	Poor	2.0	Positive	
7/27	492	West tower office	Window sill	1	Wood	Beige	Poor	3.1	Positive	
7/27	493	West tower office	Window case	1	Wood	Beige	Poor	2.1	Positive	
7/27	494	West tower office	Window sash	1	Wood	Beige	Poor	2.6	Positive	
7/27	495	West tower office	Window apron	1	Wood	Beige	Poor	2.7	Positive	
7/27	496	West tower office	Wall molding	1	Wood	Beige	Poor	>9.9	Positive	
7/27	497	Office	Door	1	Wood	Grey	Poor	>9.9	Positive	
7/27	498	Office/Bath	Door case	1	Wood	Black	Poor	>9.9	Positive	
7/27	499	Main lobby	Wall	1	Concrete	Beige	Fair	>9.9	Positive	
7/27	500	Main lobby	Wall	2	Concrete	Beige	Fair	>9.9	Positive	
7/27	501	Main lobby	Wall	3	Concrete	Beige	Fair	>9.9	Positive	
7/27	502	Main lobby	Wall	4	Concrete	Beige	Fair	>9.9	Positive	
7/27	503	Main lobby	Column	6	Concrete	Beige	Fair	>9.9	Positive	
7/27	504	Main lobby	Door	1	Metal	Grey	Fair	0.2		
7/27	505	Main lobby	Door case	1	Metal	Grey	Fair	-0.1		
7/27	506	Main lobby	Baseboard	3	Concrete	Grey	Fair	0.7		
7/27	507	Main lobby	Radiator cover	3	Metal	Black	Fair	-0.1		
7/27	508	Main lobby	Radiator	3	Metal	Silver	Fair	0.6		
7/27	509	Main lobby	Window case	3	Wood	Black	Fair	0.0		
7/27	510	Main lobby	Window sash	3	Wood	Black	Fair	-0.1		
7/27	511	Main lobby	Gate	4	Metal	Grey	Fair	>9.9	Positive	
7/27	512	Main lobby	Ceiling	5	Concrete	Beige	Fair	0.1		
7/27	513	Lobby	Column	6	Concrete	White	Fair	>9.9	Positive	
7/27	514	2nd floor corridor	Door	3	Wood	Stained	Fair	-0.0		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	515	2nd floor corridor	Door case	3	Wood	Stained	Fair	0.2		
7/27	516	2nd floor corridor	Gate	1	Metal	Grey	Poor	0.4		
7/27	517	2nd floor corridor	Gate case	1	Metal	Grey	Poor	-0.1		
7/27	518	2nd floor corridor	Upper wall	2	Plaster	Beige	Poor	>9.9	Positive	
7/27	519	2nd floor corridor	Upper wall	4	Plaster	Beige	Poor	>9.9	Positive	
7/27	520	2nd floor corridor	Lower wall	2	Plaster	Grey	Poor	>9.9	Positive	
7/27	521	2nd floor corridor	Lower wall	4	Plaster	Grey	Poor	>9.9	Positive	
7/27	522	2nd floor corridor	Upper wall	1	Plaster	Beige	Poor	>9.9	Positive	
7/27	523	2nd floor corridor	Upper wall	3	Plaster	Beige	Poor	>9.9	Positive	
7/27	524	2nd floor corridor	Lower wall	1	Plaster	Grey	Poor	>9.9	Positive	
7/27	525	2nd floor corridor	Lower wall	3	Plaster	Grey	Poor	>9.9	Positive	
7/27	526	2nd floor corridor	Ceiling	5	Plaster	Beige	Poor	>9.9	Positive	
7/27	527	2nd floor corridor	Radiator cover	2	Metal	Grey	Poor	0.3		
7/27	528	2nd floor corridor	Radiator	2	Metal	Silver	Poor	0.3		
7/27	529	2nd floor corridor	Pipe riser	2	Metal	Silver	Poor	0.2		
7/27	530	2nd floor corridor	Baseboard	4	Concrete	Grey	Poor	1.7	Positive	
7/27	531	East officers club	Door	1	Wood	Stained	Fair	-0.2		
7/27	532	East officers club	Door case	1	Wood	Stained	Fair	-0.1		
7/27	533	East officers club	Upper wall	1	Plaster	Beige	Poor	>9.9	Positive	
7/27	534	East officers club	Upper wall	2	Plaster	Beige	Poor	>9.9	Positive	
7/27	535	East officers club	Upper wall	3	Plaster	Beige	Poor	>9.9	Positive	
7/27	536	East officers club	Upper wall	4	Plaster	Beige	Poor	>9.9	Positive	
7/27	537	East officers club	Lower wall	1	Wood	Stained	Poor	-0.1		
7/27	538	East officers club	Lower wall	2	Wood	Stained	Poor	-0.1		

Table 1
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XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	539	East officers club	Lower wall	3	Wood	Stained	Poor	0.0		
7/27	540	East officers club	Lower wall	4	Wood	Stained	Poor	-0.0		
7/27	541	East officers club	Column	3	Plaster	Beige	Poor	>9.9	Positive	
7/27	542	East officers club	Wall molding	1	Wood	Beige	Poor	9.3	Positive	
7/27	543	East officers club	Ceiling	5	Plaster	White	Poor	>9.9	Positive	
7/27	544	East officers club	Beam ceiling	5	Plaster	Beige	Poor	>9.9	Positive	
7/27	545	2nd fl., office 2-2-6	Door	1	Wood	Stained	Poor	-0.1		
7/27	546	2nd fl., office 2-2-6	Door case	1	Wood	Stained	Poor	-0.0		
7/27	547	2nd fl., office 2-2-6	Wall	1	Plaster	Beige	Poor	>9.9	Positive	
7/27	548	2nd fl., office 2-2-6	Wall	2	Plaster	Beige	Poor	>9.9	Positive	
7/27	549	2nd fl., office 2-2-6	Wall	3	Plaster	Beige	Poor	>9.9	Positive	
7/27	550	2nd fl., office 2-2-6	Wall	4	Plaster	Beige	Poor	>9.9	Positive	
7/27	551	2nd fl., office 2-2-6	Baseboard	3	Wood	Beige	Poor	0.2		
7/27	552	2nd fl., office 2-2-6	Radiator cover	3	Metal	Beige	Poor	0.2		
7/27	553	2nd fl., office 2-2-6	Radiator	3	Metal	Beige	Poor	0.0		
7/27	554	2nd fl., office 2-2-6	Window sill	3	Wood	Beige	Poor	0.7		
7/27	555	2nd fl., office 2-2-6	Window case	3	Wood	Beige	Poor	0.6		
7/27	556	2nd fl., office 2-2-6	Window apron	3	Wood	Beige	Poor	-0.1		
7/27	557	2nd fl., office 2-2-6	Ceiling	5	Plaster	Beige	Poor	>9.9	Positive	
7/27	558	2nd fl., office 2-2-6	Door	1	Plaster	Green	Poor	>9.9	Positive	
7/27	559	2nd fl., bath 2-2-6	Door case	1	Wood	Green	Poor	>9.9	Positive	
7/27	560	2nd fl., bath 2-2-6	Wall	1	Wood	Green	Poor	>9.9	Positive	
7/27	561	2nd fl., bath 2-2-6	Wall	2	Plaster	Green	Poor	>9.9	Positive	
7/27	562	2nd fl., bath 2-2-6	Wall	3	Plaster	Green	Poor	>9.9	Positive	

Table 1
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XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	563	2nd fl., bath 2-2-6	Wall	4	Plaster	Green	Poor	>9.9	Positive	
7/27	564	2nd fl., bath 2-2-6	Window case	4	Wood	Green	Poor	>9.9	Positive	
7/27	565	2nd fl., bath 2-2-6	Window sash	4	Wood	Green	Poor	>9.9	Positive	
7/27	566	2nd fl., closet 2-2-6	Door	1	Wood	Grey	Poor	>9.9	Positive	
7/27	567	2nd fl., closet 2-2-6	Door case	1	Wood	Grey	Poor	>9.9	Positive	
7/27	568	2nd fl., closet 2-2-6	Wall	1	Plaster	Grey	Poor	>9.9	Positive	
7/27	569	2nd fl., closet 2-2-6	Wall	2	Plaster	Grey	Poor	>9.9	Positive	
7/27	570	2nd fl., closet 2-2-6	Wall	3	Plaster	Grey	Poor	>9.9	Positive	
7/27	571	2nd fl., closet 2-2-6	Wall	4	Plaster	Grey	Poor	>9.9	Positive	
7/27	572	2nd fl., closet 2-2-6	Pipe riser	3	Metal	Grey	Poor	>9.9	Positive	
7/27	573	2nd fl., closet 2-2-6	Shelf	3	Wood	Grey	Poor	>9.9	Positive	
7/27	574	2nd fl., closet 2-2-6	Shelf support	3	Wood	Grey	Poor	>9.9	Positive	
7/27	575	2-2-5	Door	1	Wood	Stained	Poor	-0.2		
7/27	576	2-2-5	Door case	1	Wood	Black	Poor	1.0	Positive	
7/27	577	2-2-5	Baseboard	3	Wood	Black	Poor	-0.1		
7/27	578	2-2-5	Radiator	3	Metal	Black	Poor	0.4		
7/27	579	2-2-5	Window sill	3	Wood	Black	Poor	0.3		
7/27	580	2-2-5	Window case	3	Wood	Black	Poor	0.1		
7/27	581	2-2-5	Window apron	3	Wood	Black	Poor	0.4		
7/27	582	2-2-5	Wall	4	Plaster	Beige	Poor	>9.9	Positive	
7/27	583	2-2-5	Pipe riser	3	Metal	Black	Poor	1.5	Positive	
7/27	584	2-2-5	Molding ceiling	5	Wood	Beige	Poor	0.1		
7/27	585	2-2-5	Ceiling	5	Plaster	Beige	Poor	>9.9	Positive	
7/27	586	2nd fl., corridor	Floor	6	Concrete	Grey	Poor	1.5	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	587	West officers club	Door case	1	Wood	Black	Poor	0.1		
7/27	588	West officers club	Wall	1	Plaster	Green	Poor	>9.9	Positive	
7/27	589	West officers club	Wall	2	Plaster	Green	Poor	>9.9	Positive	
7/27	590	West officers club	Wall	3	Plaster	Green	Poor	>9.9	Positive	
7/27	591	West officers club	Wall	4	Plaster	Green	Poor	>9.9	Positive	
7/27	592	West officers club	Wall molding	1	Wood	White	Poor	>9.9	Positive	
7/27	593	West officers club	Fire place	2	Brick	Beige	Fair	-0.0		
7/27	594	West officers club	Ceiling	5	Plaster	White	Fair	>9.9	Positive	
7/27	595	West officers club	Door	1	Wood	White	Fair	>9.9	Positive	
7/27	596	East stairs to 3rd fl.	Hand rail	1	Metal	Green/black	Poor	>9.9	Positive	
7/27	597	East stairs to 3rd fl.	Newel post	1	Metal	Green/black	Poor	>9.9	Positive	
7/27	598	East stairs to 3rd fl.	Ballust	1	Metal	Green/black	Poor	>9.9	Positive	
7/27	599	East stairs to 3rd fl.	Wall	1	Plaster	Beige	Poor	>9.9	Positive	
7/27	600	East stairs to 3rd fl.	Wall	2	Plaster	Beige	Poor	>9.9	Positive	
7/27	601	East stairs to 3rd fl.	Wall	3	Plaster	Beige	Poor	>9.9	Positive	
7/27	602	East stairs to 3rd fl.	Wall	4	Plaster	Beige	Poor	5.9	Positive	
7/27	603	East stairs to 3rd fl.	Ceiling	5	Plaster	Grey	Poor	>9.9	Positive	
7/27	604	East stairs to 3rd fl.	Baseboard	2	Wood	Beige	Poor	>9.9	Positive	
7/27	605	East stairs to 3rd fl.	Door	4	Metal	Beige	Poor	>9.9	Positive	
7/27	606	East stairs to 3rd fl.	Door case	4	Metal	Beige	Poor	>9.9	Positive	
7/27	607	3rd fl., officers lounge	Door case	1	Wood	Blue	Poor	>9.9	Positive	
7/27	608	3rd fl., officers lounge	Wall	1	Plaster	Blue	Poor	>9.9	Positive	
7/27	609	3rd fl., officers lounge	Wall	2	Plaster	Blue	Poor	>9.9	Positive	
7/27	610	3rd fl., officers lounge	Wall	3	Plaster	Blue	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	611	3rd fl., officers lounge	Wall	4	Plaster	Blue	Poor	>9.9	Positive	
7/27	612	3rd fl., officers lounge	Baseboard	2	Wood	Black	Poor	>9.9	Positive	
7/27	613	3rd fl., officers lounge	Radiator	4	Metal	Blue	Poor	1.9	Positive	
7/27	614	3rd fl., officers lounge	Window sill	4	Wood	Blue	Poor	>9.9	Positive	
7/27	615	3rd fl., officers lounge	Window apron	4	Wood	Blue	Poor	>9.9	Positive	
7/27	616	3rd fl., officers lounge	Ceiling	5	Plaster	Blue/white	Poor	>9.9	Positive	
7/27	617	3rd fl., officers lounge	Pipe riser	4	Metal	Blue/blue	Poor	>9.9	Positive	
7/27	618	3rd fl., officers lounge	Bar	4	Wood	Varnish	Poor	-0.1		
7/27	619	3rd fl., officers lounge	Wall	1	Plaster	Dark green	Poor	>9.9	Positive	
7/27	620	West stairs to 3rd fl.	Wall	2	Plaster	Dark green	Poor	>9.9	Positive	
7/27	621	West stairs to 3rd fl.	Wall	3	Plaster	Dark green	Poor	>9.9	Positive	
7/27	622	West stairs to 3rd fl.	Wall	4	Plaster	Dark green	Poor	>9.9	Positive	
7/27	623	West stairs to 3rd fl.	Electrical panel	1	Wood	Dark green	Poor	>9.9	Positive	
7/27	624	West stairs to 3rd fl.	Ceiling	5	Plaster	Dark green	Poor	8.3	Positive	
7/27	625	West stairs to 3rd fl.	Baseboard	3	Wood	Dark green	Poor	>9.9	Positive	
7/27	626	West stairs to 3rd fl.	Hand rail	1	Metal	Dark green	Poor	8.0	Positive	
7/27	627	West stairs to 3rd fl.	Newel post	1	Metal	Dark green	Poor	6.3	Positive	
7/27	628	West stairs to 3rd fl.	Baluster	1	Metal	Dark green	Poor	>9.9	Positive	
7/27	629	West Turret	Wall	1	Plaster	Brown	Poor	>9.9	Positive	
7/27	630	West Turret	Wall	2	Plaster	Brown	Poor	>9.9	Positive	
7/27	631	West Turret	Wall	3	Plaster	Brown	Poor	>9.9	Positive	
7/27	632	West Turret	Wall	4	Plaster	Brown	Poor	>9.9	Positive	
7/27	633	West Turret	Ceiling	5	Plaster	Brown	Poor	>9.9	Positive	
7/27	634	West Turret	Pipe riser	4	Metal	Brown	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	635	West Turret	Radiator	4	Metal	Silver	Poor	6.4	Positive	
7/27	636	West Turret	Hand rail	1	Metal	Grey	Poor	>9.9	Positive	
7/27	637	West Turret	Stair tread	1	Metal	Grey	Poor	>9.9	Positive	
7/27	638	West Turret	Stair riser	1	Metal	Grey	Poor	>9.9	Positive	
7/27	639	West Turret	Stringer	1	Metal	Grey	Poor	>9.9	Positive	
7/27	640	Calibrate						1.8		
7/27	641	Calibrate						1.7	Avg. 1.8	
7/27	642	Calibrate						1.8		
7/27	643	East 2, tower apt. living room	Door	1	Wood	Stained	Fair	-0.0		
7/27	644	East 2, tower apt. living room	Door case	1	Wood	Stained	Fair	0.1		
7/27	645	East 2, tower apt. living room	Wall	1	Plaster	Yellow	Poor	>9.9	Positive	
7/27	646	East 2, tower apt. living room	Wall	2	Plaster	Yellow	Poor	1.7	Positive	
7/27	647	East 2, tower apt. living room	Wall	3	Plaster	Yellow	Poor	3.9	Positive	
7/27	648	East 2, tower apt. living room	Wall	4	Plaster	Yellow	Poor	>9.9	Positive	
7/27	649	East 2, tower apt. living room	Baseboard	1	Wood	Grey	Poor	-0.0		
7/27	650	East 2, tower apt. living room	Radiator	3	Metal	Silver	Poor	1.4	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	651	East 2, tower apt. living room	Window sill	4	Wood	Black	Poor	0.2		
7/27	652	East 2, tower apt. living room	Wall molding	2	Wood	Yellow	Poor	>9.9	Positive	
7/27	653	East 2, tower apt. living room	Shelf	4	Wood	Blue	Poor	1.3	Positive	
7/27	654	East 2, tower apt. living room	Shelf support	4	Wood	Blue	Poor	0.4		
7/27	655	East 2, tower apt. living room	Pipe riser	3	Metal	Silver	Poor	2.5	Positive	
7/27	656	Office	Door	1	Wood	Grey	Poor	>9.9	Positive	
7/27	657	Office	Door case	1	Wood	Grey	Poor	>9.9	Positive	
7/27	658	Office	Wall	1	Plaster	Grey	Poor	>9.9	Positive	
7/27	659	Office	Wall	2	Plaster	Grey	Poor	>9.9	Positive	
7/27	660	Office	Wall	3	Plaster	Grey	Poor	>9.9	Positive	
7/27	661	Office	Wall	4	Plaster	Grey	Poor	>9.9	Positive	
7/27	662	Office	Baseboard	3	Wood	Grey	Poor	>9.9	Positive	
7/27	663	Office	Radiator	4	Metal	Silver	Poor	>9.9	Positive	
7/27	664	Office	Wall	4	Brick	Grey	Poor	-0.0		
7/27	665	Office	Ceiling	5	Plaster	Grey	Poor	>9.9	Positive	
7/27	666	East Turret	living room ceiling	5	Plaster	White	Poor	>9.9	Positive	
7/27	667	East Turret	Wall	1	Plaster	Blue	Poor	>9.9	Positive	
7/27	668	East Turret	Wall	3	Plaster	Blue	Poor	>9.9	Positive	
7/27	669	East Turret	Wall	3	Plaster	Grey	Poor	>9.9	Positive	

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Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	670	East Turret	Pipe riser	3	Metal	Grey	Poor	2.0	Positive	
7/27	671	East Turret	Window sill	3	Wood	Black	Poor	0.1		
7/27	672	East Turret	Window case	3	Wood	Black	Poor	0.2		
7/27	673	East Turret	Ceiling	5	Plaster	Beige	Poor	>9.9	Positive	
7/27	674	Staircase	Hand rail	3	Metal	Yellow	Poor	>9.9	Positive	
7/27	675	Drill floor	Upper wall	1	Plaster	Beige	Poor	0.1		
7/27	676	Southwest corner	Lower wall	1	Plaster	Green	Poor	1.0	Positive	
7/27	677	Southwest corner	Lower wall	1	Plaster	Brown	Poor	1.5	Positive	
7/27	678	Southwest corner	Window frame	1	Wood	Beige	Poor	3.2	Positive	
7/27	679	Southwest corner	Door	1	Wood	Green	Poor	>9.9	Positive	
7/27	680	Southwest corner	Door case	1	Wood	Green	Poor	>9.9	Positive	
7/27	681	Southwest corner	Window apron	1	Concrete	Green	Poor	1.8	Positive	
7/27	682	Southwest corner	Steel structure upper	1	Metal	Beige	Poor	>9.9	Positive	
7/27	683	Southwest corner	Steel structure lower	1	Metal	Green	Poor	>9.9	Positive	
7/27	684	Southwest corner	Radiator cover	1	Metal	Green	Poor	5.2	Positive	
7/27	685	Southwest corner	Radiator	1	Metal	Silver	Poor	2.8	Positive	
7/27	686	Southwest corner	Upper wall	1	Brick	Beige	Poor	0.2		
7/27	687	Southwest corner	Lower wall	1	Brick	Green	Poor	5.2	Positive	
7/27	688	Southwest corner	Door case	1	Wood	Green	Poor	-0.0		
7/27	689	Southwest corner	Door case	1	Metal	Dark green	Poor	-0.1		
7/27	690	Southwest corner	Pipe riser	1	Metal	White	Poor	5.4	Positive	
7/27	691	Southwest corner	Pipe riser	1	Metal	Green	Poor	>9.9	Positive	
7/27	692	Southwest corner	Upper wall	1	Brick	Red	Poor	-0.0		
7/27	693	Southwest corner	Steel structure	1	Metal	White	Poor	7.0	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	694	Southwest corner	Steel structure	1	Metal	Green	Poor	>9.9	Positive	
7/27	695	Southwest corner	Lower wall	1	Brick	Brown	Poor	5.7	Positive	
7/27	696	Southwest corner	Pipe riser	1	Metal	Brown	Poor	7.9	Positive	
7/27	697	Southwest corner	Radiator cover	1	Metal	Brown	Poor	4.2	Positive	
7/27	698	Southwest corner	Steel structure	1	Metal	Yellow	Poor	>9.9	Positive	
7/27	699	Southwest corner	Steel structure	1	Metal	Brown	Poor	>9.9	Positive	
7/27	700	Southwest corner	Lower wall	1	Brick	Grey	Poor	>9.9	Positive	
7/27	701	Southwest corner	Pipe riser	1	Metal	Grey	Poor	>9.9	Positive	
7/27	702	Southwest corner	Steel structure	1	Metal	Grey	Poor	>9.9	Positive	
7/27	703	Drill floor	Radaitor	1	Metal	Grey	Poor	1.9	Positive	
7/27	704	Drill floor	Steel structure	1	Metal	White	Poor	5.8	Positive	
7/27	705	Drill floor	Upper wall	1	Concrete	White	Poor	-0.0		
7/27	706	Drill floor	Lower wall	1	Concrete	Brown	Poor	0.2		
7/27	707	Garage	Door case	2	Metal	Yellow	Fair	0.7		
7/27	708	Drill floor	Safety post	2	Metal	Yellow	Fair	5.3		
7/27	709	Drill floor	Door	3	Wood	Brown	Poor	3.5	Positive	
7/27	710	Drill floor	Door case	3	Wood	Brown	Poor	3.1	Positive	
7/27	711	Drill floor	Upper wall	3	Brick	Grey	Poor	5.7	Positive	
7/27	712	Drill floor	Lower wall	3	Brick	Brown	Poor	4.0	Positive	
7/27	713	Drill floor	Radiator cover	3	Metal	Brown	Poor	3.4	Positive	
7/27	714	Drill floor	Radiator	3	Metal	Brown	Poor	4.3	Positive	
7/27	715	Drill floor	Steel structure	3	Metal	Grey	Poor	>9.9	Positive	
7/27	716	Drill floor	Steel structure	3	Metal	Brown	Poor	>9.9	Positive	
7/27	717	Drill floor	Steel structure	3	Metal	Green	Poor	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/27	718	Drill floor	Upper wall	3	Concrete	White	Poor	0.4		
7/27	719	Drill floor	Lower wall	3	Concrete	Brown	Poor	-0.0		
7/27	720	Drill floor	Door	3	Metal	Brown	Poor	0.2		
7/27	721	Drill floor	Door case	3	Metal	Brown	Poor	0.4		
7/27	722	Drill floor	Wall	3	Wood	Blue	Poor	3.6	Positive	
7/27	723	Drill floor	Wall	3	Wood	Red	Poor	0.1		
7/27	724	Drill floor	Upper wall	3	Wood	White	Poor	-0.1		
7/27	725	Drill floor	Lower wall	3	Wood	Brown	Poor	0.0		
7/27	726	Drill floor	Upper wall	3	Brick	Lt. Grey	Poor	3.6	Positive	
7/27	727	Drill floor	Lower wall	3	Brick	Grey	Poor	>9.9	Positive	
7/27	728	Drill floor	Floor	6	Concrete	Grey	Poor	1.0	Positive	
7/28	729	Calibrate						1.7		
7/28	730	Calibrate						1.9	Avg. 1.7	
7/28	731	Calibrate						1.8		
7/28	732	Calibrate						1.8		
7/28	733	Calibrate						1.9	Avg. 1.8	
7/28	734	Calibrate						1.8		
7/28	735	Drill floor	Gate	4	Metal	Green	Poor	0.0		
7/28	736	Drill floor	Gate case	4	Metal	Green	Poor	2.1	Positive	
7/28	737	Drill floor	Upper wall	4	Brick	White	Poor	0.0		
7/28	738	Drill floor	Lower	1	Brick	Brown	Poor	>9.9	Positive	
7/28	739	By office 1-W2	Hand rail	1	Metal	Grey	Poor	0.3		
7/28	740	By office 1-W2	Newel post	1	Metal	Grey	Poor	0.3		
7/28	741	Drill floor	Stringer	1	Metal	Grey	Poor	9.3	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	742	Drill floor	Side of mezz. deck	1	Metal	Green	Poor	8.4	Positive	
7/28	743	Drill floor	Side of mezz. deck	1	Metal	White	Poor	5.7	Positive	
7/28	744	Drill floor	Hand rail	1	Metal	Grey	Poor	3.0	Positive	
7/28	745	Drill floor	Newel post	1	Metal	Grey	Poor	>9.9	Positive	
7/28	746	Drill floor	Stringer	1	Metal	Grey	Poor	9.6	Positive	
7/28	747	Drill floor	Hand rail	3	Metal	Grey	Poor	2.1	Positive	
7/28	748	Drill floor	Newel post	3	Metal	Grey	Poor	>9.9	Positive	
7/28	749	Drill floor	Stringer	3	Metal	Grey	Poor	9.0	Positive	
7/28	750	Drill floor balcony	Window sill	3	Wood	White	Poor	2.7	Positive	
7/28	751	Drill floor balcony	Window apron	3	Wood	Grate	Poor	0.7		
7/28	752	Drill floor balcony	Metal structure	3	Metal	Green	Poor	>9.9	Positive	
7/28	753	Drill floor balcony	Radiator	3	Metal	Green	Poor	>9.9	Positive	
7/28	754	Drill floor balcony	Metal structure	3	Metal	Green	Poor	9.7	Positive	
7/28	755	Drill floor balcony	Fence	3	Metal	Green	Poor	1.7	Positive	
7/28	756	Drill floor balcony	Chair	3	Metal	Black	Poor	-0.1		
7/28	757	Drill floor balcony	Chair	1	Metal	Black	Poor	5.0	Positive	
7/28	758	Drill floor balcony	Metal structure	3	Metal	Green	Poor	5.4	Positive	
7/28	759	Drill floor balcony	Chair	1	Metal	Black	Poor	0.1		
7/28	760	Drill floor balcony	Fence	3	Metal	Green	Poor	3.8	Positive	
7/28	761	Drill floor balcony	Metal structure	1	Metal	Green	Poor	7.6	Positive	
7/28	762	Drill floor balcony	Fence	1	Metal	Green	Poor	2.0	Positive	
7/28	763	Drill floor balcony	Chair	1	Wood	Black	Poor	-0.0		
7/28	764	Drill floor balcony	Chair	1	Metal	Black	Poor	0.5		
7/28	765	Drill floor balcony	Wall	1	Brick	White	Poor	2.7	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	766	Drill floor balcony	Steel structure	1	Metal	Green	Poor	>9.9	Positive	
7/28	767	Drill floor balcony	Chair	1	Wood	Black	Poor	0.1		
7/28	768	Drill floor balcony	Chair	1	Metal	Black	Poor	0.5		
7/28	769	Drill floor balcony	Wall	1	Brick	White	Poor	0.0		
7/28	770	Drill floor balcony	Steel structure	1	Metal	Green	Poor	>9.9	Positive	
7/28	771	Drill floor balcony	Fence	1	Metal	Green	Poor	2.5	Positive	
7/28	772	Drill floor balcony	Wall	1	Brick	White	Poor	-0.1		
7/28	773	Homeless shelter corridor	Door	1	Metal	Purple	Fair	-0.0		
7/28	774	Homeless shelter corridor	Door case	1	Metal	Purple	Fair	0.1		
7/28	775	Homeless shelter corridor	Upper wall	1	Sheetrock	Pink	Fair	0.2		
7/28	776	Homeless shelter corridor	Upper wall	6	Sheetrock	Pink	Fair	0.1		
7/28	777	Homeless shelter corridor	Upper wall	3	Sheetrock	Pink	Fair	0.1		
7/28	778	Homeless shelter corridor	Upper wall	4	Sheetrock	Pink	Fair	-0.1		
7/28	779	Homeless shelter corridor	Lower wall	1	Sheetrock	Purple	Fair	-0.0		
7/28	780	Homeless shelter corridor	Lower wall	2	Sheetrock	Purple	Fair	-0.1		

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Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	781	Homeless shelter corridor	Lower wall	3	Sheetrock	Purple	Fair	-0.2		
7/28	782	Homeless shelter corridor	Lower wall	4	Sheetrock	Purple	Fair	-0.1		
7/28	783	Homeless shelter corridor	Door	4	Metal	Red	Fair	-0.1		
7/28	784	Homeless shelter corridor	Door case	4	Metal	Red	Fair	-0.0		
7/28	785	E dorm	Door	1	Metal	Blue	Fair	-0.0		
7/28	786	E dorm	Door case	1	Metal	Blue	Fair	-0.0		
7/28	787	E dorm	Upper wall	1	Sheetrock	Lt. Blue	Fair	-0.0		
7/28	788	E dorm	Upper wall	2	Sheetrock	Lt. Blue	Fair	-0.2		
7/28	788	E dorm	Upper wall	3	Plaster	Lt. Blue	Fair	-0.1		
7/28	789	E dorm	Upper wall	4	Plaster	Lt. Blue	Fair	>9.9	Positive	
7/28	790	E dorm	Lower wall	1	Sheetrock	Dark blue	Fair	-0.2		
7/28	791	E dorm	Lower wall	2	Sheetrock	Dark blue	Fair	-0.1		
7/28	792	E dorm	Lower wall	3	Plaster	Dark blue	Fair	>9.9	Positive	
7/28	793	E dorm	Lower wall	4	Plaster	Dark blue	Fair	>9.9	Positive	
7/28	794	E dorm	Window sill	3	Wood	Blue	Fair	>9.9	Positive	
7/28	795	E dorm	Window case	3	Wood	Blue	Fair	>9.9	Positive	
7/28	796	E dorm	Window sash	3	Wood	Blue	Fair	>9.9	Positive	
7/28	797	E dorm	Window apron	3	Wood	Blue	Fair	-0.1		
7/28	798	E dorm	Radiator	3	Metal	Blue	Fair	0.5		
7/28	799	E dorm	Hand rail	4	Metal	Black	Fair	0.5		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	800	E dorm	Stair tread	4	Concrete	Brown	Fair	0.0		
7/28	801	E dorm	Stair riser	4	Concrete	Brown	Fair	0.1		
7/28	802	E dorm	Pipe riser	3	Metal	Blue	Fair	>9.9	Positive	
7/28	803	E dorm	Partition	6	Wood	Blue	Fair	-0.0		
7/28	804	E dorm	Ceiling	5	Concrete	White	Fair	>9.9	Positive	
7/28	805	E dorm	Dujct	5	Metal	Beige	Fair	0.7		
7/28	806	D dorm	Door	1	Metal	Pink	Fair	-0.1		
7/28	807	D dorm	Door case	1	Metal	Pink	Fair	-0.0		
7/28	808	D dorm	Upper wall	1	Sheetrock	Beige	Fair	-0.1		
7/28	809	D dorm	Upper wall	2	Sheetrock	Beige	Fair	-0.1		
7/28	810	D dorm	Upper wall	3	Sheetrock	Beige	Fair	-0.3		
7/28	811	D dorm	Upper wall	4	Sheetrock	Beige	Fair	-0.0		
7/28	812	D dorm	Lower wall	1	Sheetrock	Pink	Fair	-0.1		
7/28	813	D dorm	Lower wall	2	Sheetrock	Pink	Fair	-0.1		
7/28	814	D dorm	Lower wall	3	Sheetrock	Pink	Fair	-0.0		
7/28	815	D dorm	Lower wall	4	Sheetrock	Pink	Fair	-0.1		
7/28	816	D dorm	Window sill	3	Wood	Pink	Fair	>9.9	Positive	
7/28	817	D dorm	Window case	3	Wood	Pink	Fair	>9.9	Positive	
7/28	818	D dorm	Window sash	3	Wood	Pink	Fair	>9.9	Positive	
7/28	819	D dorm	Window apron	3	Wood	Pink	Fair	-0.1		
7/28	820	D dorm	Radiator	3	Metal	Pink	Poor	3.2	Positive	
7/28	821	D dorm	Partition	3	Wood	Pink	Poor	-0.1		
7/28	822	D dorm	Duct	5	Metal	Beige	Fair	0.5		
7/28	823	D dorm	Ceiling	5	Concrete	Beige	Fair	>9.9	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	824	B dorm	Door	1	Metal	Brown	Fair	-0.2		
7/28	825	B dorm	Door case	1	Metal	Purple	Fair	-0.1		
7/28	826	B dorm	Upper wall	1	Sheetrock	Beige	Fair	-0.2		
7/28	827	B dorm	Upper wall	2	Sheetrock	Beige	Fair	-0.1		
7/28	828	B dorm	Upper wall	3	Plaster	Beige	Fair	>9.9	Positive	
7/28	829	B dorm	Upper wall	4	Sheetrock	Beige	Fair	-0.2		
7/28	830	B dorm	Lower wall	1	Sheetrock	Yellow	Fair	0.0		
7/28	831	B dorm	Lower wall	2	Sheetrock	Yellow	Fair	-0.0		
7/28	832	B dorm	Lower wall	3	Plaster	Yellow	Fair	>9.9	Positive	
7/28	833	B dorm	Lower wall	4	Sheetrock	Yellow	Fair	-0.1		
7/28	834	B dorm	Window sill	3	Wood	Yellow	Fair	-0.1		
7/28	835	B dorm	Window case	3	Wood	Yellow	Fair	8.9	Positive	
7/28	836	B dorm	Window sash	3	Wood	Yellow	Fair	6.3	Positive	
7/28	837	B dorm	Window apron	3	Wood	Yellow	Fair	0.2		
7/28	838	B dorm	Radiator	3	Metal	Yellow	Fair	0.2		
7/28	839	B dorm	Duct	5	Metal	Beige	Fair	0.7		
7/28	840	B dorm	Ceiling	5	Concrete	Beige	Fair	9.7	Positive	
7/28	841	A dorm	Door	1	Metal	Peach	Fair	-0.1		
7/28	842	A dorm	Door case	1	Metal	Peach	Fair	-0.1		
7/28	843	A dorm	Upper wall	1	Sheetrock	Pink	Fair	-0.0		
7/28	844	A dorm	Upper wall	2	Plaster	Pink	Fair	>9.9	Positive	
7/28	845	A dorm	Upper wall	3	Plaster	Pink	Fair	>9.9	Positive	
7/28	846	A dorm	Upper wall	4	Sheetrock	Pink	Fair	0.0		
7/28	847	A dorm	Lower wall	1	Sheetrock	Peach	Fair	-0.3		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	848	A dorm	Lower wall	2	Plaster	Peach	Fair	0.0		
7/28	849	A dorm	Lower wall	3	Plaster	Peach	Fair	>9.9	Positive	
7/28	850	A dorm	Lower wall	4	Sheetrock	Peach	Fair	-0.0		
7/28	851	A dorm	Window sill	3	Wood	Peach	Fair	>9.9	Positive	
7/28	852	A dorm	Window case	3	Wood	Peach	Fair	>9.9	Positive	
7/28	853	A dorm	Window sash	3	Wood	Peach	Fair	5.9	Positive	
7/28	854	A dorm	Window apron	3	Wood	Peach	Fair	0.0		
7/28	855	A dorm	Radiator	3	Metal	Peach	Fair	-0.0		
7/28	856	A dorm	Pipe riser	3	Metal	Peach	Fair	0.4		
7/28	857	A dorm	Duct	3	Metal	Pink	Fair	>9.9	Positive	
7/28	858	A dorm	Ceiling	5	Concrete	Beige	Fair	>9.9	Positive	
7/28	859	A dorm	Duct	5	Metal	Beige	Fair	0.7		
7/28	860	A dorm	Partition	6	Wood	Pink	Fair	0.1		
7/28	861	Foyer, exit B	Door	1	Metal	Red	Fair	0.4		
7/28	862	Foyer, exit B	Door case	1	Metal	Red	Fair	1.6	Positive	
7/28	863	Foyer, exit B	Wall	1	Plaster	White	Fair	-0.1		
7/28	864	Foyer, exit B	Wall	2	Sheetrock	White	Fair	-0.1		
7/28	865	Foyer, exit B	Wall	3	Plaster	White	Fair	>9.9	Positive	
7/28	866	Foyer, exit B	Wall	4	Plaster	White	Fair	>9.9	Positive	
7/28	867	Foyer, exit B	Ceiling	5	Concrete	White	Fair	>9.9	Positive	
7/28	868	Foyer, exit B	Floor	6	Concrete	Grey	Poor	0.1		
7/28	869	Foyer, exit B	Hand rail	4	Metal	Black	Poor	0.4		
7/28	870	Foyer, exit B	Stair tread	4	Concrete	Black	Poor	0.4		
7/28	871	Foyer, exit B	Stair riser	4	Concrete	Black	Poor	0.4		

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Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	872	Foyer, exit B	Stringer	4	Concrete	Black	Fair	1.0	Positive	
7/28	873	National Guard area, entry foyer	Door	1	Metal	Grey	Fair	6.2	Positive	
7/28	874	National Guard area, entry foyer	Door case	1	Metal	Grey	Fair	5.2	Positive	
7/28	875	National Guard area, entry foyer	Door screen	1	Metal	Black	Fair	0.6		
7/28	876	National Guard area, entry foyer	Wndow case	4	Metal	Beige	Fair	2.7	Positive	
7/28	877	National Guard area, entry foyer	Window sash	4	Metal	Beige	Fair	3.7	Positive	
7/28	878	1st floor, corridor	Door case	1	Metal	Grey	Fair	0.1		
7/28	879	1st floor, corridor	Upper wall	1	Concrete	Ivory	Fair	1.3	Positive	
7/28	880	1st floor, corridor	Upper wall	2	Concrete	Ivory	Fair	1.0	Positive	
7/28	881	1st floor, corridor	Upper wall	3	Concrete	Ivory	Fair	1.3	Positive	
7/28	882	1st floor, corridor	Upper wall	4	Concrete	Ivory	Fair	-0.1		
7/28	883	1st floor, corridor	Lower wall	1	Concrete	Grey	Fair	0.4		
7/28	884	1st floor, corridor	Lower wall	2	Concrete	Grey	Fair	1.0	Positive	
7/28	885	1st floor, corridor	Lower wall	3	Concrete	Grey	Fair	1.4	Positive	
7/28	886	1st floor, corridor	Lower wall	4	Concrete	Grey	Fair	1.0	Positive	
7/28	887	1st floor, corridor	Radiator	3	Metal	Grey	Fair	0.6		
7/28	888	1st floor, corridor	Window sill	1	Concrete	Ivory	Fair	1.0	Positive	
7/28	889	1st floor, corridor	Window case	1	Metal	Black	Fair	1.6	Positive	
7/28	890	1st floor, corridor	Window sash	1	Metal	Black	Fair	2.5	Positive	

Table 7
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	891	1st floor, corridor	Ceiling	5	Sheetrock	Ivory	Fair	-0.0		
7/28	892	1st floor, corridor	Floor	6	Concrete	Grey	Fair	-0.2		
7/28	893	1st floor, corridor	Door	2	Metal	Red	Fair	-0.1		
7/28	894	1st floor, corridor	Door case	2	Metal	Red	Fair	-0.0		
7/28	895	2nd floor, corridor	Door	2	Wood	Stained	Fair	0.7		
7/28	896	2nd floor, corridor	Door case	2	Metal	Grey	Fair	1.4	Positive	
7/28	897	Office 2-14	Door	1	Wood	Grey	Fair	-0.3		
7/28	898	Office 2-14	Door case	1	Metal	Grey	Fair	1.6	Positive	
7/28	899	Office 2-14	Wall	1	Concrete	Ivory	Fair	1.4	Positive	
7/28	900	Office 2-14	Wall	2	Concrete	Ivory	Fair	1.7	Positive	
7/28	901	Office 2-14	Wall	3	Concrete	Ivory	Fair	1.3	Positive	
7/28	902	Office 2-14	Window sill	3	Concrete	Black	Fair	1.9	Positive	
7/28	903	Office 2-14	Window case	3	Metal	Black	Fair	4.0	Positive	
7/28	904	Office 2-14	Window sash	3	Metal	Black	Fair	2.8	Positive	
7/28	905	Office 2-14	Radiator	3	Metal	Black	Fair	0.6		
7/28	906	Office 24, staircase	Door	1	Metal	Brown	Fair	1.7	Positive	
7/28	907	Office 24, staircase	Upper wall	1	Concrete	Ivory	Fair	0.3		
7/28	908	Office 24, staircase	Upper wall	2	Concrete	Ivory	Fair	2.1	Positive	
7/28	909	Office 24, staircase	Upper wall	3	Concrete	Ivory	Fair	0.3		
7/28	910	Office 24, staircase	Upper wall	4	Concrete	Ivory	Fair	0.5		
7/28	911	Office 24, staircase	Lower wall	1	Metal	Grey	Fair	0.5		
7/28	912	Office 24, staircase	Lower wall	2	Metal	Grey	Fair	0.5		
7/28	913	Office 24, staircase	Lower wall	3	Metal	Grey	Fair	0.5		
7/28	914	Office 24, staircase	Lower wall	4	Metal	Grey	Fair	0.5		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	915	Office 24, staircase	Window case	3	Metal	Ivory	Fair	1.6	Positive	
7/28	916	Office 24, staircase	Window sash	3	Metal	Ivory	Fair	2.6	Positive	
7/28	917	Office 24, staircase	Hand rail	3	Metal	Black	Fair	5.2	Positive	
7/28	918	Office 24, staircase	Newel post	3	Metal	Black	Fair	1.9	Positive	
7/28	919	Office 24, staircase	Stair tread	3	Concrete	Grey	Fair	-0.1		
7/28	920	Office 24, staircase	Stair riser	3	Metal	Black	Fair	1.6	Positive	
7/28	921	Office 24, staircase	Stringer	3	Metal	Black	Fair	4.8	Positive	
7/28	922	Basement	Wall	1	Concrete	Blue	Fair	-0.1		
7/28	923	Basement	Wall	2	Concrete	Blue	Fair	-0.1		
7/28	924	Basement	Wall	3	Concrete	Blue	Fair	-0.1		
7/28	925	Basement	Wall	4	Concrete	Blue	Fair	-0.2		
7/28	926	Basement	Ceiling	5	Concrete	Blue	Fair	-0.0		
7/28	927	Basement	Door case	1	Metal	Red	Fair	0.3		
7/28	928	Basement	Duct	5	Metal	Blue	Fair	0.3		
7/28	929	Basement	Pipe riser	4	Metal	Blue	Fair	0.4		
7/28	930	Office 1-1	Door	1	Wood	Grey	Fair	-0.0		
7/28	931	Office 1-1	Door case	1	Metal	Grey	Fair	0.2		
7/28	932	Office 1-1	Wall	1	Concrete	Ivory	Fair	0.2		
7/28	933	Office 1-1	Wall	2	Concrete	Ivory	Fair	0.2		
7/28	934	Office 1-1	Wall	3	Concrete	Ivory	Fair	0.4		
7/28	935	Office 1-1	Wall	4	Concrete	Ivory	Fair	0.0		
7/28	936	Office 1-1	Baseboard	4	Concrete	Grey	Fair	0.4		
7/28	937	Office 1-1	Pipe riser	2	Metal	Ivory	Fair	0.5		
7/28	938	Office 1-1	Window case	2	Metal	Blue	Fair	3.3	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	939	Office 1-1	Window sash	2	Metal	Blue	Fair	4.6	Positive	
7/28	940	Office 1-1	Ceiling	5	Sheetrock	White	Fair	0.0		
7/28	941	Office 1-1	Floor	6	Concrete	Grey	Fair	0.3		
7/28	942	National Guard garage	Door	1	Metal	Grey	Fair	1.8	Positive	
7/28	943	National Guard garage	Door case	1	Metal	Grey	Fair	0.2		
7/28	944	National Guard garage	Upper wall	2	Concrete	Lt. grey	Fair	0.1		
7/28	945	National Guard garage	Lower wall	2	Concrete	Dark grey	Fair	0.2		
7/28	946	National Guard garage	Upper wall	3	Concrete	Lt. grey	Fair	2.0	Positive	
7/28	947	National Guard garage	Lower wall	3	Concrete	Dark grey	Fair	2.0	Positive	
7/28	948	National Guard garage	Upper wall	4	Concrete	Lt. grey	Fair	-0.1		
7/28	949	National Guard garage	Lower wall	4	Concrete	Dark grey	Fair	0.0		
7/28	950	National Guard garage	Partition wall	4	Wood	Pink	Fair	-0.1		
7/28	951	National Guard garage	Upper wall	1	Concrete	Lt. grey	Fair	0.1		
7/28	952	National Guard garage	Lower wall	1	Concrete	Dark grey	Fair	0.1		
7/28	953	National Guard garage	Lower wall	1	Concrete	Red	Fair	-0.1		
7/28	954	National Guard garage	Window case	2	Metal	Grey	Poor	1.9	Positive	
7/28	955	National Guard garage	Floor	6	Concrete	Grey	Fair	-0.2		
7/28	956	National Guard garage	Ceiling	5	Concrete	Grey	Fair	-0.1		
7/28	957	National Guard garage	Beam	5	Metal	Grey	Fair	3.5	Positive	
7/28	958	National Guard garage	Floor	6	Concrete	Yellow	Fair	>9.9	Positive	
7/28	959	National Guard garage	Safety cover	2	Metal	Green	Fair	3.5	Positive	
7/28	960	National Guard garage	Control panel	4	Metal	Blue	Fair	0.0		
7/28	961	Calibrate						1.7		
7/28	962	Calibrate						1.9	Avg. 1.8	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	963	Calibrate						1.8		
7/28	964	Basement, auditorium	Door	1	Wood	Green	Poor	0.4		
7/28	965	Basement, auditorium	Door case	1	Wood	Green	Poor	0.5		
7/28	966	Basement, auditorium	Upper wall	1	Plaster	Grey	Poor	-0.1		
7/28	967	Basement, auditorium	Upper wall	2	Plaster	Grey	Poor	-0.0		
7/28	968	Basement, auditorium	Upper wall	4	Plaster	Grey	Poor	-0.1		
7/28	969	Basement, auditorium	Lower wall	1	Plaster	Beige	Poor	-0.0		
7/28	970	Basement, auditorium	Lower wall	2	Plaster	Beige	Poor	0.2		
7/28	971	Basement, auditorium	Lower wall	4	Plaster	Beige	Poor	-0.1		
7/28	972	Basement, auditorium	Baseboard	1	Concrete	Grey	Poor	0.5		
7/28	973	Basement, auditorium	Column upper	6	Concrete	Grey	Poor	0.1		
7/28	974	Basement, auditorium	Column lower	6	Concrete	Beige	Poor	-0.0		
7/28	975	Basement, auditorium	Floor	6	Concrete	Grey	Poor	0.3		
7/28	976	Basement, auditorium	Ceiling	5	Concrete	Grey	Poor	-0.0		
7/28	977	Basement, auditorium	Stringer	1	Metal	Beige	Poor	>9.9	Positive	
7/28	978	Bsmnt, corridor stairs	Hand rail	6	Metal	Grey	Poor	7.9	Positive	
7/28	979	Bsmnt, corridor stairs	Newel post	6	Metal	Grey	Poor	4.9	Positive	
7/28	980	Bsmnt, corridor stairs	Stringer	6	Metal	Grey	Poor	>9.9	Positive	
7/28	981	Bsmnt, corridor stairs	Hand rail	6	Metal	Grey	Poor	5.8	Positive	
7/28	982	Bsmnt, corridor stairs	Newel post	6	Concrete	Grey	Poor	6.4	Positive	
7/28	983	Bsmnt, corridor stairs	Stringer	6	Concrete	Grey	Poor	4.5	Positive	
7/28	984	Bsmnt, corridor stairs	Ceiling	5	Concrete	White	Poor	0.3		
7/28	985	Lock RC3	Ceiling	5	Concrete	White	Poor	7.2	Positive	
7/28	986	Lock RC17	Ceiling	5	Concrete	White	Poor	0.0		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	987	Gym	Ceiling	5	Concrete	Grey	Poor	-0.1		
7/28	988	Boiler R	Ceiling	5	Concrete	Grey	Poor	7.3	Positive	
7/28	989	Boiler R#1	Ceiling	5	Concrete	Grey	Poor	>9.9	Positive	
7/28	990	Boiler R#2	Ceiling	1	Concrete	Grey	Poor	0.3		
7/28	991	B40	Door case	1	Metal	Blue	Poor	1.7	Positive	
7/28	992	B40	Wall	1	Plaster	Yellow	Poor	-0.1		
7/28	993	B40	Wall	2	Plaster	Yellow	Poor	>9.9	Positive	
7/28	994	B40	Wall	3	Plaster	Yellow	Poor	>9.9	Positive	
7/28	995	B40	Wall	4	Plaster	Yellow	Poor	>9.9	Positive	
7/28	996	B40	Radiator	1	Metal	Silver	Poor	0.3		
7/28	997	B40	Window sill	3	Wood	Blue	Poor	0.2		
7/28	998	B40	Window case	3	Wood	Blue	Poor	0.3		
7/28	999	B40	Window sash	3	Wood	Blue	Poor	0.2		
7/28	1	B40	Window apron	3	Wood	Blue	Poor	0.2		
7/28	2	B40	Ceiling	5	Concrete	White	Poor	>9.9	Positive	
7/28	3	B40	Pipe riser	3	Metal	Blue	Poor	1.5	Positive	
7/28	4	B48	Door	1	Metal	Grey	Poor	4.5	Positive	
7/28	5	B48	Door case	1	Metal	Grey	Poor	7.8	Positive	
7/28	6	B48	Wall	1	Concrete	Yellow	Poor	-0.1		
7/28	7	B48	Wall	2	Concrete	Yellow	Poor	0.1		
7/28	8	B48	Wall	3	Brick	Yellow	Poor	0.1		
7/28	9	B48	Wall	4	Concrete	Green	Poor	0.0		
7/28	10	B48	Ceiling	5	Concrete	Green	Poor	0.0		
7/28	11	B48	Shelf	4	Wood	Grey	Poor	0.6		

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	12	B48	Shelf support	4	Wood	Grey	Poor	0.7		
7/28	13	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Hand rail	1	Metal	Grey	Poor	>9.9	Positive	
7/28	14	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Newel post	1	Metal	Grey	Poor	7.0	Positive	
7/28	15	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Stringer	1	Metal	Grey	Poor	8.8	Positive	
7/28	16	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Flag pole	1	Metal	Ivory	Poor	1.7	Positive	
7/28	17	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Flag pole base	1	Metal	Ivory	Poor	0.4		
7/28	18	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Artelery deco.	1	Metal	Ivory	Poor	1.5	Positive	
7/28	19	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Hand rail	1	Metal	Black	Poor	4.2	Positive	

Tab
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	20	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Door	1	Metal	Black	Poor	1.6	Positive	
7/28	21	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Guard railing	1	Metal	Black	Poor	1.5	Positive	
7/28	22	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Fence	1	Metal	Black	Poor	2.8	Positive	
7/28	23	Bsmnt, near RB3 stairs outside ext. of Kingsbridge Ave.	Gate	1	Metal	Black	Poor	0.2		
7/28	24	Ext. Jerome Avenue.	Door	4	Metal	Black	Poor	-0.0		
7/28	25	Ext. Jerome Avenue.	Door case	4	Metal	Black	Poor	1.5	Positive	
7/28	26	Ext. Jerome Avenue.	Door guard	4	Metal	Black	Poor	0.2		
7/28	27	Ext. Jerome Avenue.	Window apron	4	Concrete	Black	Poor	0.1		
7/28	28	Ext. Jerome Avenue.	Vent	4	Metal	Black	Poor	5.7	Positive	
7/28	29	Ext. Jerome Avenue.	Window guard	4	Metal	Black	Poor	1.4	Positive	
7/28	30	National Guard office building	Wall	1	Brick	Green	Poor	-0.0		
7/28	30	National Guard office building	Gate	1	Metal	Black	Poor	4.1	Positive	
7/28	31	National Guard office building	Fence	1	Metal	Black	Poor	5.4	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	32	National Guard office building	Hand rail	1	Metal	Grey	Poor	2.7	Positive	
7/28	33	National Guard office building	Door	1	Metal	Grey	Poor	5.4	Positive	
7/28	34	National Guard office building	Door case	1	Metal	Grey	Poor	3.9	Positive	
7/28	35	Exit	Gas guage	4	Metal	Yellow	Fair	1.8	Positive	
7/28	36	Exit	Gas guage	4	Metal	Grey	Fair	0.5		
7/28	37	Exit	Door	4	Metal	Grey	Fair	1.9	Positive	
7/28	38	Exit	Door case	4	Metal	Grey	Fair	5.3	Positive	
7/28	39	Exit	Hand rail	4	Metal	Grey	Fair	0.7		
7/28	40	Garage exit	Door case	1	Metal	Green	Fair	4.1	Positive	
7/28	41	Garage exit	Gate	1	Metal	Green	Fair	0.3		
7/28	42	Garage exit	Fence	1	Metal	Blak	Fair	3.1	Positive	
7/28	43	Garage exit	Door	2	Metal	Green	Fair	0.1		
7/28	44	Garage exit	Door case	2	Metal	Green	Fair	1.4	Positive	
7/28	45	Garage exit	Pipe riser	2	Metal	Green	Fair	1.7	Positive	
7/28	46	Garage exit	Window gate	1	Metal	Green	Fair	3.1	Positive	
7/28	47	Garage exit	Smoke stack door	2	Metal	Green	Fair	-0.0		
7/28	48	Garage exit	Storage cont. wall	1	Metal	Green	Fair	-0.0		
7/28	49	Garage exit	Storage cont. wall	2	Metal	Green	Fair	0.4		
7/28	50	Garage exit	Storage cont. wall	4	Metal	Green	Fair	0.4		
7/28	51	Garage exit	Fence	4	Metal	Black	Fair	>9.9	Positive	
7/28	52	Garage exit	Door	4	Metal	Green	Fair	3.5	Positive	

Table 1
Kingsbridge Armory
XRF Survey Data

Date	Shot #	Room	Component	Wall	Substrate	Color	Condition	XRF Reading	Classification	Sample ID
7/28	53	Garage exit	Door	4	Metal	Yellow	Fair	1.7	Positive	
7/28	54	Garage exit	Safety corner	4	Metal	Yellow	Fair	7.0	Positive	
7/28	55	Garage exit	Safety corner	4	Metal	Green	Fair	5.7	Positive	
7/28	56	Garage exit	Door	4	Metal	Green	Fair	1.7	Positive	
7/28	57	Garage exit	Door case	4	Metal	Green	Fair	>9.9	Positive	
7/28	58	Garage exit	Window guard	4	Metal	Green	Fair	2.4	Positive	
7/28	59	Garage exit	Drain pipe	4	Metal	Green	Fair	0.1		
7/28	60	Garage exit	Pipe riser	4	Metal	Green	Fair	0.6		
7/28	61	Calibrate						1.8		
7/28	62	Calibrate						1.7	Avg. 1.8	
7/28	63	Calibrate						1.9		

ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

REPORT DATE: 08-14-00

CLIENT: ET Environmetal

PROJECT No: 75018.0001

SAMPLED BY: F. Burkhardt

SAMPLE DATE: 08-11-00
DATE RECEIVED: 08-13-00
DATE ANALYZED: 08-13-00

SAMPLE MEDIA: Paint Chips
ANALYSIS REQUIRED: Method EPA 3050/7420

ANALYSIS RESULTS

SAMPLE ID	BATCH NO.	SAMPLE DESCRIPTION	LEAD CONCENTRATION (% by weight)	DETECTION LIMIT
1	8583	Rifle. R. - Aband.	0.07	0.01
2	8583	Rifle R. - Active	0.04	0.01
3	8583	Pistol 1-4	1.17	0.01
4	8583	Pistol 9-12	56.67	0.01
C-1	8583	Steel Truss	32.21	0.01
C-2	8583	Steel Truss	39.68	0.01
C-3	8583	Steel Truss	16.56	0.01
C-4	8583	Steel Truss	21.66	0.01
C-5	8583	Steel Truss	8.92	0.01
C-6	8583	Steel Truss	0.46	0.01

NOTE 1:
THE REPORTING LIMIT (RL) IS 0.01%

NOTE 2:
HUD defines lead-based paint as paint having a lead concentration equal to or above 0.5% by weight.
Results preceded by "<" are below the detectable levels by this analysis method.

ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

CERTIFICATION AND SIGNATURES

ANALYSIS PERFORMED BY: TC

REPORT PREPARED BY: [signature]

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: [signature]

LABORATORY DIRECTOR: [signature]

ATC is accredited by the New York State Department of Health Environmental Laboratory Approval Program (NYS DOH ELAP) to perform analysis of lead in paint and dust wipes (ELAP #10879).

AIC ASSOCIATES INC.

104 EAST 25TH STREET
NEW YORK, NY 10010
PHONE: 212-353-8280 FAX: 212-979-8447

8582

CHAIN OF CUSTODY

CLIENT NAME: ET ENVIRONMENTAL

SITE ADDRESS: KINGSBRIDGE ARMORY

JOB #: 75018.0001

SAMPLE TYPE (Paint Chip, Dust Wipe, etc...): CHIP / GRAB

OF SAMPLES: 10

SAMPLED BY: F. BURICHARDT

ANALYSIS REQUIRED (AAS-mg/sq.cm, etc...): PB-AAS 0/0 WT

TURN AROUND TI: SAME DAY

	SAMPLE I.D.	DATE	SAMPLE DESCRIPTION/LOCATION	AREA (in x in)	D.L.	RESULT OF ANAL
1	1	8/11	RIFLE RANGE - ABANDONED	N/A		
2	2	"	" - ACTIVE	"		
3	3	"	PISTOL 1-4	"		
4	4	"	PISTOL 9-12	"		
5	C-1	"	STEEL TRUSS	"		
6	C-2	"	"	"		
7	C-3	"	"	"		
8	C-4	"	"	"		
9	C-5	"	"	"		
10	C-6	8/11	"	"		
	--			N/A		

RELINQUISHED BY (SIGNATURE BELOW) | DATE/TIME 8/14 | RECEIVED BY: (SIGNATURE BELOW)

PRINT NAME: (BELOW) BURICHARDT | PRINT NAME: (BELOW) | DATE/TIME

RELINQUISHED BY (SIGNATURE BELOW) | DATE/TIME | RECEIVED BY: (SIGNATURE BELOW) 8/15/00 10am

PRINT NAME: (BELOW) | PRINT NAME: (BELOW) | DATE/TIME

SAMPLING PROVIDED BY:

AIHA NLLAP # | LABORATORY DIRECTOR (SIGNATURE) | PRINT NAME: (BELOW) | DATE/TIME

ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

REPORT DATE: 07-31-00

CLIENT: ET

PROJECT ADDRESS: Kingsbridge Armory

SAMPLE BY: M. Medinets

SAMPLE DATE: 07-24-00
DATE RECEIVED: 07-28-00
DATE ANALYZED: 07-28-00

SAMPLE MEDIA: Paint Chips
ANALYSIS REQUIRED: Method EPA 3050/7420

ANALYSIS RESULTS

SAMPLE ID	BATCH NO.	SAMPLE DESCRIPTION	LEAD CONCENTRATION (% by weight)	DETECTION LIMIT
01	8553	Stair Tread Sub. Bsmt. (Boiler Room)	0.13	0.01
02	8553	Control Panel Rm #3 Boiler Room	0.01	0.01
03	8553	Rm 4 Basment C16 Mez. Door	1.38	0.01

NOTE 1:
THE REPORTING LIMIT (RL) IS 0.01%

NOTE 2:
HUD defines lead-based paint as paint having a lead concentration equal to or above 0.5% by weight.
Results preceded by "<" are below the detectable levels by this analysis method.

CERTIFICATION AND SIGNATURES

ANALYSIS PERFORMED BY: _____

REPORT PREPARED BY: _____

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: _____

LABORATORY DIRECTOR: _____

ATC is accredited by the New York State Department of Health Environmental Laboratory Approval Program (NYS DOH ELAP) to perform analysis of lead in paint and dust wipes (ELAP #10879).

ATC ASSOCIATES INC.
PAINT CHIP SAMPLING - CHAIN OF CUSTODY
104 EAST 25TH STREET, 10TH FLOOR
NEW YORK, NEW YORK 10010
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5553

PAGE___OF___
TOTAL # OF SAMPLES:___

ient Name: ET
oject Address: Kingsbridge Armory
vestigator:
Client Number:
Project Manager: F. Burkhardt
Room Number:
Date: 7.24.00
Turnaround Time: 24h
Required: % by weight

Sample Number	Component & Location	Condition of Paint Surface	Substrate	Surface Paint Color	Type of Structure	Detection Limit	Pb % by Weight
01	Stair tread Sub BSM (Boiler Room)	Intact / Fair / ✓ Poor	Sheetrock / Wood / ✓ Metal / Masonry / Plaster___Other	gray	Steel Structure / ✓ Commercial / Industrial / Residential	0.01	0.13
02	control panel R#3 boiler room	Intact / Fair / ✓ Poor	Sheetrock / Wood / ✓ Metal / Masonry / Plaster___Other	gray	Steel Structure / ✓ Commercial / Industrial / Residential	0.01	0.01
03	R#4 BSM C 16 Mez Door	Intact / Fair / ✓ Poor	Sheetrock / Wood / ✓ Metal / Masonry / Plaster___Other	gray	Steel Structure / ✓ Commercial / Industrial / Residential	0.01	1.38
		Intact / Fair / Poor	Sheetrock / Wood / Metal / Masonry / Plaster___Other		Steel Structure / Commercial / Industrial / Residential		
		Intact / Fair / Poor	Sheetrock / Wood / Metal / Masonry / Plaster___Other		Steel Structure / Commercial / Industrial / Residential		

OMMENTS:

LINQUISHED BY (SIGNATURE BELOW):	DATE/TIME	RECIEVED BY (SIGNATURE BELOW):	DATE/TIME:	LABORATORY:	
M. Medinets	7.28.00	AM 07/28 9pm			
INT NAME:	DATE/TIME	PRINT NAME:	DATE/TIME:	NLLAP#	ELAP#

CHAIN OF CUSTODY RECORD

WORK ORDER NO. _____

SCILAB

SCILAB BOSTON, INC.

8 School Street Weymouth, MA 02189-8951
781 337-9334 / FAX 781 337-7642

DUE DATE _____

COMPANY: ATC ASSOCIATES
104 EAST 25TH ST - 10TH FL
NY, NY 10010

PHONE: 212-353-8780 FAX #: 212-353-8306

P.O.#: 75010-1

CLIENT CONTACT: _____

PROJECT #: KINGSBRIDGE ARMORY

SAMPLE TYPE
1. WATER 6. WIPES
2. SOIL 7. AIR CASSETTE
3. SLUDGE 8. OTHER
4. OIL
5. CHIPS

CONTAINER TYPE
P - PLASTIC
G - GLASS
V - VOA

SCILAB SAMPLE #	CLIENT SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER SIZE	CONTAINER TYPE	CONTAINER #	SAMPLING INFORMATION DATE	TIME	TECH	PRESERVATIVES	TCLP LEAD	SAMPLE pH at Login
	1	2		P						X	
	2	2		P						X	
	3	2		P						X	
	4	2		P						X	

REPORT PACKAGES
- MWRA ☐
- MA DEP ☐
- RDR ☐
- ASP A ☐
- ASP B ☐
- QC LEVEL 1 ☐
- QC LEVEL 2 ☐

SAMPLED BY: J. Burns

RELINQUISHED BY: FEDEX 8198 2057 4640 — J. Burns

RELINQUISHED BY: _____

	DATE	TIME	RECEIVED BY	DATE	TIME
	8/11/00	1100			
	8/11/00	1700			

Temperature upon receipt _____

SPECIAL INSTRUCTIONS

☐ 24 HOUR TAT ☐ 72 HOUR TAT

☒ 48 HOUR TAT ☐ 5 DAY TAT

Shade circle for ... ory use only.
Gold copy - Or ... Retains
Pink copy - Ship ...
... White and Yellow copies to the laboratory

TOTAL P.02

ATC ASSOCIAT[illegible] INC.

PAINT CHIP SAMPLING - C[illegible]OF CUSTODY

104 EAST 25TH STREET, [illegible]FLOOR
NEW YORK, NEW YORK 10010
PHONE: 212-353-8280 FAX: 212-979-8447

PAGE 1 O

TOTAL # OF SAMPLES: 3

Name: ET

Client Number:

Date: 7.24.00

: Address: Kingsbridge Armory

Project Manager: F. Burkhardt

Turnaround Time: 24h

gator:

Room Number:

Required: % by weight

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		Intact / Fair / Poor	Sheetrock / Wood / Metal / Masonry / Plaster Other		Steel Structure / Commercial / Industrial / Residential		
		Intact / Fair / Poor	Sheetrock / Wood / Metal / Masonry / Plaster Other		Steel Structure / Commercial / Industrial / Residential		

ITS:

HED BY (SIGNATURE BELOW): DATE/TIME	RECIEVED BY (SIGNATURE BELOW):	DATE/TIME:	LABORATORY:	
Medicus 7.28.00				
E: DATE/TIME	PRINT NAME:	DATE/TIME:	NLLAP#	ELAP#

wpchip.xls