NYS Office of General Services
Serving New York

STATE OF NEW YORK
OFFICE OF GENERAL SERVICES
DESIGN AND CONSTRUCTION GROUP
THE GOVERNOR NELSON A. ROCKEFELLER
EMPIRE STATE PLAZA
ALBANY, NY 12242

ADDENDUM NO. 2 TO PROJECT NO. 45606-C

CONSTRUCTION WORK
PROVIDE LEAD REMEDIATION
BINGHAMTON ARMORY
85 WEST END AVENUE
BINGHAMTON, NY 13905

August 18, 2017

NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

SPECIFICATIONS

1. Replace Table of Contents dated 7/18/2017 with attached revised Table of Contents dated 8/17/2017.

2. Replace Section 003126 – Existing Hazardous Materials Information dated 7/18/2017, with attached Section 003126 – Existing Hazardous Materials Information, dated 8/17/2017.

3. Section 011000, Page 1, Article 1.04 A. Replace the Entire Paragraph with the following:

   "The facility conducts training drills one weekend per month. Duration and schedules vary month to month. The contractor shall coordinate work sequence such that work within the all necessary training and support areas (or access corridors to the training areas) of the facility are fully completed, the work accepted, completely clear of materials, equipment and debris, and are fully available for use by the facility. Refer to Project Phasing Plans for sequencing of work to be completed and consult Facility and Directors representatives for drill weekend schedule and affected areas. Contractor shall prepare a Project Schedule in accordance with Section 013113 that accounts for Restricted Work Periods for the duration of the work, and verify/coordinate start and completion dates prior to beginning each Phase with Director's Representative, including submittal of an update copy of the Contractor's Construction Schedule if necessary."

4. Section 028003, Page 1, Article 1.02 A: Replace the Entire Paragraph with the following:

   "Remove the lead-containing dust/debris and clean lead-contaminated accessible surfaces throughout the facility. The Work of this Contract includes the removal, transporting and disposal of this material as an industrial/commercial waste. Pre-disposal testing is required to

determine whether the waste can be classified as non-hazardous. See Section 028303 for pre-disposal testing requirements. For purposes of bidding, Contractor shall assume waste will be non-hazardous (assume 4 tons non-hazardous waste disposal for bidding purposes); in addition, Contractor shall also provide separate cost for disposal of hazardous materials (assume 4 tons hazardous waste disposal for bidding purposes), if required, based on waste characterization."

5. Section 028213, Page 9, Article 3.05 B: Replace the Entire Paragraph with the following:

   "Remove all waste generated as part of the asbestos project from the project site within 10 calendar days from the site after completion of Phase 3F of the project, or within 1 day of the waste disposal container/trailer becoming full, whichever occurs first."

6. Section 028303, Page 2, Renumber Article 1.04 H to 1.04 I.

7. Section 028303, Page 2, Add new Article 1.04 H as follows:

   "Movable Object: All non-fixed equipment, furniture (*e.g.* tables, desks, lockers, cabinets, shelving), etc., that can readily be removed from the work area including all items contained thereon or therein. Movable Objects exclude weapons, gear/sensitive items and personal property which will be removed by Facility or Military personnel prior to contractor occupation of the work area."

8. Section 028303, Page 8, Article 3.06 A. Replace the Entire paragraph with the following:

   "Each phase of cleaning shall commence with cleaning and removal of all movable objects, then be conducted in a top-down manner of remaining surfaces, starting with ceilings (where required), and progressing down walls, and elevated surfaces and fixed objects to the floor."

9. Remove Specification Number 095300 – Suspended Acoustical Ceiling Systems from the Project Manual, and delete all other references to this Section elsewhere in the Project Manual.

10. Insert attached Atlantic Testing Laboratories, Limited report "Lead Surface Wipe Sampling", dated 4/24/2017, in Appendix to the Project Manual.

11. Insert attached Atlantic Testing Laboratories, Limited report "Limited Hazardous Materials Survey", dated 8/16/2017, in Appendix to the Project Manual.

12. Replace Schedule of Submittals dated 7/18/2017 with attached revised Schedule of Submittals dated 8/17/2017.

DRAWINGS

13. Replace all drawing Sheets (G-1 through G-5 and H-101 through H-107), dated 7/18/2017, with attached drawings (G-1 through G-5 and H-101 through H-107) dated 8/17/2017.

END OF ADDENDUM

Margaret F. Larkin
Executive Director
Design and Construction

TABLE OF CONTENTS

PROCUREMENT AND CONTRACTING REQUIREMENTS GROUP

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

INTRODUCTORY INFORMATION

Document Number and Title

BIDDING REQUIREMENTS

Document Number and Title

CONTRACTING REQUIREMENTS

Document Number and Title

SPECIFICATIONS GROUP

GENERAL REQUIREMENTS SUBGROUP

DIVISION 01 – GENERAL REQUIREMENTS

Section Number and Title

011000 Summary of The Work
011100 Safety
012100 Allowances
012200 Cost Computations
013000 Administrative Requirements
013113 Project Schedule
013119 Project Meetings
013300 Submittals
014100 Regulatory Requirements
015000 Construction Facilities & Temporary Controls
017329 Removals, Cutting, and Patching
017716 Contract Closeout

FACILITY CONSTRUCTION SUBGROUP

DIVISION 02 – EXISTING CONDITIONS

Section Number and Title

028003 Disposal of Non-Hazardous Industrial-Commercial Waste
028213 Asbestos Abatement
028303 Abatement of Lead Containing Materials

DIVISION 04 – MASONRY

Section Number and Title

040123 Masonry Cleaning

DIVISION 09 – FINISHES

Section Number and Title

092300 Plastering
096723 Epoxy Resin Flooring
096813 Tile Carpeting
099101 Construction Painting

DIVISION 11 – EQUIPMENT

Section Number and Title

APPENDIX

END OF TABLE OF CONTENTS

DOCUMENT 003126

EXISTING HAZARDOUS MATERIAL INFORMATION

1.01 LIMITED HAZARDOUS MATERIALS SURVEY REPORT

A Limited Hazardous Materials Survey was completed on August 3, 4 & 7, 2017. The results of this survey are included in Atlantic Testing Laboratories, Limited (ATL) report dated August 16, 2017, provided as an Appendix to the Project Manual. Materials included in the scope of this remediation were included in this survey.

Asbestos-containing materials (ACM) were identified within the building. Where suspect ACM are present and are not specifically addressed in the ATL report, they are to be treated as presumed ACM (PACM) for the scope of the project. Refer to ATL Limited Hazardous Materials Survey Report dated August 16, 2017 for presence/absence of ACM.

Painted surfaces that were observed to be in poor or deteriorated condition, or where painted surfaces were identified as/contributing to potential dust hazards, in accordance with USEPA Risk Assessment protocol, and paint was identified as LBP, incorporated into the Work accordingly. Refer to ATL Limited Hazardous Materials Survey Report dated August 16, 2017 for presence/absence of LBP.

Suspect polychlorinated biphenyls (PCBs) impacted by the scope of the remediation were sampled for laboratory analysis. None of the samples analyzed for PCB contained detectable concentrations above the method detection limit. Refer to ATL Limited Hazardous Materials Survey Report dated August 16, 2017 for PCB.

1.02 LEAD SURFACE WIPE SAMPLING REPORT

Surface wipe samples listed in the report were collected at the Project Site and tested for Lead content. The report was compiled for New York State Office of General Services, Design and Construction Group by ATL. This report is intended for State design and estimate purposes only, and is included to provide bidders with the same information available to the State. The samples are representative of conditions for different surfaces in the Work area. All lead containing materials may not have been sampled. See the Lead Surface Wipe Sampling Letter Report (ATL April 2017) included in the Appendix for details.

END OF DOCUMENT

ATLANTIC TESTING LABORATORIES

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315-699-5281 (T)
atlantictesting.com

WBE certified company

April 24, 2017

O'Brien & Gere Engineers, Inc.
101 First Street, 4th Floor
Utica, New York 13501

Attn: Mr. Chris Dousharm
Project Manager

Re: Lead Surface Wipe Sampling Services
State Armory
85 West end Avenue
Binghamton, New York
ATL Report No. ST5779LI-01-04-17
OBG No. 65079 / OGS No. SB714

Ladies/Gentlemen:

In accordance with the scope of services outlined in our contract (ATL No. ST5998-107-02-17), dated February 9, 2017, and authorized by O'Brien & Gere Engineers, Inc. (OBG), Atlantic Testing Laboratories, Limited (ATL) performed lead surface wipe sampling for the Binghamton Armory, located at 85 West end Avenue, Binghamton, New York. These services were provided between March 23 and 24, 2017.

The lead wipe sampling services were conducted in general accordance with United States Environmental Protection Agency (USEPA) regulations, and the document titled "Army National Guard Industrial Hygiene Sampling Guide for Surface Lead in Readiness Centers" and dated October 27, 2015.

Summary of Sampling Activities

The project consisted of the collection of lead wipe samples from floor, heating ventilation and air conditioning (HVAC) ducts, and miscellaneous elevated surfaces (*e.g.,* window sills, stored materials, walls), as directed by representatives of OBG. Samples collected by ATL were relinquished to representatives of OBG, for subsequent processing and submittal to Merit Laboratories, Inc. (Merit) for analysis of total lead via EPA Methods 6020A. Merit is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratory (ELAP No. 11814) for the referenced analysis. Copies of pertinent certifications for the sampling personnel and analytical laboratory are included in Appendix A. The laboratory reports and associated sample custody documentation are provided in Appendix B. Sample Location Plans are enclosed in Appendix C.

Summary of Findings

The following summary of findings is prepared from ATL's understanding that dust wipe sampling was requested within the subject building, to determine the lead concentrations in ambient dust located on the referenced sampled surfaces.

Analytical results for the collected dust wipe samples are summarized in the tables in Appendix D. The lead analysis results were compared to the following lead concentration criteria, as established by representatives of the New York State Department of Military and Naval Affairs (NYS DMNA) and New York Army National Guard (NY ARNG).

Lead Concentration (µg/ft^2) Range	Building Section Occupancy
less than 40	All Building Occupants
40 to less than 200	Only National Guard Personnel
200+	No Occupancy

There were a total of 234 samples analyzed for lead dust. Of those samples, 58 exceeded the 40 µg/ft^2 threshold, and 58 exceeded the 200 µg/ft^2 threshold. The remaining 118 samples contained less than 40 µg/ft^2 lead. The following table provides a summary of the different types of surfaces sampled and corresponding quantity of samples with results within the different ranges. This breakdown is similarly illustrated on the Sample Locations Plans in Appendix C.

Type of Surface	Total Number of Samples	Number of Samples with Lead Less than 40 µg/ft^2	Number of Samples with Lead from 40 to Less than 200 µg/ft^2	Number of Samples with Lead Greater than 200 µg/ft^2
Floors	138	77	45	16
HVAC Ducts and Piping	5	0	0	5
Elevated Surfaces	91	41	13	37

Conclusions

A review of the analytical results for the dust wipe samples collected throughout the subject building indicates the presence of elevated lead concentrations in ambient dust. Development of lead mitigation, recommendations for remediation, and/or a lead management plan should be considered to address appropriate options for managing and controlling lead impacts within the building.

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Andrew S. Amell
Project Manager
USEPA Certification No. NY-R-72973-1

ASA/JDG/tf

Enclosures

cc: Jennifer Reymond, Senior Project Engineer, OBG

Appendix A

Certifications

United States Environmental Protection Agency

This is to certify that

Atlantic Testing Laboratories, Limited

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires April 21, 2019

LBP-8962-1
Certification #

April 07, 2016
Issued On

Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch

United States Environmental Protection Agency

This is to certify that

Thomas Farley

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires August 18, 2017

NY-I-129222-1
Certification #

August 04, 2014
Issued On

John Gorman, Chief
Pesticides & Toxic Substances Branch

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2017
Issued April 01, 2016
Revised November 29, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. MAYA MURSHAK
MERIT LABORATORIES, INC.
2680 EAST LANSING DRIVE
EAST LANSING, MI 48823

NY Lab Id No: 11814

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260C
	EPA 624
Acrylonitrile	EPA 8260C
	EPA 624
Amines	
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Pyridine	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D
Benzidine	EPA 625
	EPA 8270D
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B

Chlorinated Hydrocarbon Pesticides	
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270D
2-Chloronaphthalene	EPA 625
	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270D

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Chlorinated Hydrocarbons	
Hexachlorobutadiene	EPA 625
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270D
Demand	
Chemical Oxygen Demand	EPA 410.4 Rev. 2.0
Fuel Oxygenates	
Di-isopropyl ether	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C
tert-butyl ethyl ether (ETBE)	EPA 8260C
Haloethers	
2,2'-Oxybis(1-chloropropane)	EPA 625
	EPA 8270D
4-Bromophenylphenyl ether	EPA 625
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
Haloethers	
Bis(2-chloroethyl)ether	EPA 8270D
Metals I	
Barium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Lead, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Magnesium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Potassium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Silver, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Sodium, Total	EPA 6020A

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Metals I	
Sodium, Total	EPA 200.8 Rev. 5.4
Strontium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Metals II	
Aluminum, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Arsenic, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Chromium VI	EPA 7196A
	SM 3500-Cr B-09,-11
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Metals III	
Cobalt, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 6020A
Molybdenum, Total	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Tin, Total	EPA 200.8 Rev. 5.4
Titanium, Total	EPA 200.8 Rev. 5.4
Mineral	
Alkalinity	SM 2320B-97,-11
Calcium Hardness	SM 2340B-97,-11
Chloride	EPA 300.0 Rev. 2.1
Fluoride, Total	EPA 300.0 Rev. 2.1
Hardness, Total	SM 2340C-97,-11
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Miscellaneous	
Boron, Total	EPA 6020A
	EPA 200.8 Rev. 5.4
Bromide	EPA 300.0 Rev. 2.1
Cyanide, Available	OIA-1677
Cyanide, Total	EPA 335.4 Rev. 1.0
Oil and Grease Total Recoverable (HEM)	EPA 1664A
Organic Carbon, Total	SM 5310C-00,-11
Phenols	EPA 420.1 Rev. 1978
Specific Conductance	EPA 120.1 Rev. 1982
Sulfide (as S)	SM 4500-S2- D-00,-11
Total Petroleum Hydrocarbons	EPA 1664A

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All approved analytes are listed below:

Nitroaromatics and Isophorone	
1,3-Dinitrobenzene	EPA 8270D
2,4-Dinitrotoluene	EPA 625
	EPA 8270D
2,6-Dinitrotoluene	EPA 625
	EPA 8270D
Isophorone	EPA 625
	EPA 8270D
Nitrobenzene	EPA 625
	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 625
	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270D
Nutrient	
Ammonia (as N)	SM 4500-NH3 D or E-97,-11
Kjeldahl Nitrogen, Total	SM 4500-NH3 D or E-97,-11
Nitrate (as N)	EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 300.0 Rev. 2.1
Phosphorus, Total	SM 4500-P E-99,-11
Phthalate Esters	
Benzyl butyl phthalate	EPA 625

Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
	EPA 608
PCB-1221	EPA 8082A
	EPA 608
PCB-1232	EPA 8082A
	EPA 608
PCB-1242	EPA 8082A
	EPA 608
PCB-1248	EPA 8082A
	EPA 608
PCB-1254	EPA 8082A
	EPA 608
PCB-1260	EPA 8082A

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Polychlorinated Biphenyls	
PCB-1260	EPA 608
Polynuclear Aromatics	
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D

Priority Pollutant Phenols	
2,6-Dichlorophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Cresols, Total	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D
Residue	
Solids, Total	SM 2540 B-97,-11
Solids, Total Dissolved	SM 2540 C-97,-11
Solids, Total Suspended	SM 2540 D-97,-11
Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D

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All approved analytes are listed below:

Semi-Volatile Organics	
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Volatile Aromatics	
1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
	EPA 624
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624
1,4-Dichlorobenzene	EPA 8260C
	EPA 624
Benzene	EPA 8260C
	EPA 624
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
	EPA 624
Ethyl benzene	EPA 8260C
	EPA 624
Isopropylbenzene	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Volatile Aromatics	
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
	EPA 624
Total Xylenes	EPA 8260C
	EPA 624
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
	EPA 624
1,1,2,2-Tetrachloroethane	EPA 8260C
	EPA 624
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethene	EPA 8260C
	EPA 624
1,1-Dichloropropene	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
	EPA 624
1,2-Dichloropropane	EPA 8260C

Serial No.: 55246

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2017
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Revised November 29, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. MAYA MURSHAK
MERIT LABORATORIES, INC.
2680 EAST LANSING DRIVE
EAST LANSING, MI 48823

NY Lab Id No: 11814

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Volatile Halocarbons	
1,2-Dichloropropane	EPA 624
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
	EPA 624
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
	EPA 624
Bromoform	EPA 8260C
	EPA 624
Bromomethane	EPA 8260C
	EPA 624
Carbon tetrachloride	EPA 8260C
	EPA 624
Chloroethane	EPA 8260C
	EPA 624
Chloroform	EPA 8260C
	EPA 624
Chloromethane	EPA 8260C
	EPA 624
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
	EPA 624
Dibromochloromethane	EPA 8260C
	EPA 624
Dibromomethane	EPA 8260C

Volatile Halocarbons	
Dichlorodifluoromethane	EPA 8260C
	EPA 624
Hexachlorobutadiene, Volatile	EPA 8260C
Methyl iodide	EPA 8260C
Methylene chloride	EPA 8260C
	EPA 624
Tetrachloroethene	EPA 8260C
	EPA 624
trans-1,2-Dichloroethene	EPA 8260C
	EPA 624
trans-1,3-Dichloropropene	EPA 8260C
	EPA 624
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
	EPA 624
Trichlorofluoromethane	EPA 8260C
	EPA 624
Vinyl chloride	EPA 8260C
	EPA 624

Volatiles Organics	
1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C

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ENVIRONMENTAL ANALYSES NON POTABLE WATER
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Volatiles Organics	
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Vinyl acetate	EPA 8260C
Sample Preparation Methods	
	EPA 5030C
	EPA 3015A
	EPA 3510C
	SM 4500-N Org B or C-97,-11

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All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Amines	
1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Benzidines	
3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D
Characteristic Testing	
Corrosivity	EPA 9045D
Free Liquids	EPA 9095B
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B
Aldrin	EPA 8081B
alpha-BHC	EPA 8081B

Chlorinated Hydrocarbon Pesticides	
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Toxaphene	EPA 8081B
Chlorinated Hydrocarbons	
1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D
2-Chloronaphthalene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D

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All approved analytes are listed below:

Chlorinated Hydrocarbons	
Hexachloroethane	EPA 8270D
Haloethers	
2,2'-Oxybis(1-chloropropane)	EPA 8270D
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Metals I	
Barium, Total	EPA 6020A
Cadmium, Total	EPA 6020A
Chromium, Total	EPA 6020A
Copper, Total	EPA 6020A
Iron, Total	EPA 6020A
Lead, Total	EPA 6020A
Magnesium, Total	EPA 6020A
Manganese, Total	EPA 6020A
Nickel, Total	EPA 6020A
Potassium, Total	EPA 6020A
Silver, Total	EPA 6020A
Sodium, Total	EPA 6020A
Strontium, Total	EPA 6020A
Metals II	
Aluminum, Total	EPA 6020A
Antimony, Total	EPA 6020A
Arsenic, Total	EPA 6020A

Metals II	
Beryllium, Total	EPA 6020A
Chromium VI	EPA 7196A
Lithium, Total	EPA 6020A
Mercury, Total	EPA 7471B
Selenium, Total	EPA 6020A
Vanadium, Total	EPA 6020A
Zinc, Total	EPA 6020A
Metals III	
Cobalt, Total	EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6020A
Tin, Total	EPA 6020A
Titanium, Total	EPA 6020A
Miscellaneous	
Boron, Total	EPA 6020A
Nitroaromatics and Isophorone	
1,2-Dinitrobenzene	EPA 8270D
1,3-Dinitrobenzene	EPA 8270D
2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D
Pyridine	EPA 8270D

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All approved analytes are listed below:

Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A
PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
Polynuclear Aromatic Hydrocarbons	
7,12-Dimethylbenzyl (a) anthracene	EPA 8270D
Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D

Polynuclear Aromatic Hydrocarbons	
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D
Priority Pollutant Phenols	
2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2,6-Dichlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
3-Methylphenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Phenol	EPA 8270D

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All approved analytes are listed below:

Semi-Volatile Organics	
1,1'-Biphenyl	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Volatile Aromatics	
1,2,4-Trimethylbenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Volatile Aromatics	
Toluene	EPA 8260C
Total Xylenes	EPA 8260C
Volatile Halocarbons	
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C
Dibromochloromethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C

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All approved analytes are listed below:

Volatile Halocarbons	
Methyl iodide	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C
Volatile Organics	
1,4-Dioxane	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Di-ethyl ether	EPA 8260C
Ethyl Acetate	EPA 8260C
Isobutyl alcohol	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Vinyl acetate	EPA 8260C
Sample Preparation Methods	
	EPA 5035A-L
	EPA 5035A-H
	EPA 3050B
	EPA 3550C
	EPA 3060A

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Lead in Dust Wipes	EPA 6020A
Lead in Paint	EPA 6020A

Sample Preparation Methods

	EPA 3050B

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All approved analytes are listed below:

Acrylates	
Acetonitrile	EPA TO-15
Acrylonitrile	EPA TO-15
Methyl methacrylate	EPA TO-15
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA TO-15
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA TO-15
1,2-Dichlorobenzene	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-15
1,3-Dichlorobenzene	EPA TO-15
1,4-Dichlorobenzene	EPA TO-15
2-Chlorotoluene	EPA TO-15
Benzene	EPA TO-15
Chlorobenzene	EPA TO-15
Ethyl benzene	EPA TO-15
Isopropylbenzene	EPA TO-15
m/p-Xylenes	EPA TO-15
o-Xylene	EPA TO-15
Styrene	EPA TO-15
Toluene	EPA TO-15
Total Xylenes	EPA TO-15
Purgeable Halocarbons	
1,1,1-Trichloroethane	EPA TO-15
1,1,2,2-Tetrachloroethane	EPA TO-15

Purgeable Halocarbons	
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA TO-15
1,1,2-Trichloroethane	EPA TO-15
1,1-Dichloroethane	EPA TO-15
1,1-Dichloroethene	EPA TO-15
1,2-Dibromoethane	EPA TO-15
1,2-Dichloroethane	EPA TO-15
1,2-Dichloropropane	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-15
Carbon tetrachloride	EPA TO-15
Chloroform	EPA TO-15
Chloromethane	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-15
Tetrachloroethene	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-15
Trichloroethene	EPA TO-15
Trichlorofluoromethane	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-15

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All approved analytes are listed below:

Volatile Chlorinated Organics	
Benzyl chloride	EPA TO-15
Volatile Organics	
1,2-Dichlorotetrafluoroethane	EPA TO-15
1,3-Butadiene	EPA TO-15
1,4-Dioxane	EPA TO-15
2,2,4-Trimethylpentane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Acetone	EPA TO-15
Acrolein (Propenal)	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
tert-butyl alcohol	EPA TO-15
Vinyl acetate	EPA TO-15

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All approved analytes are listed below:

Metals I	
Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.8 Rev. 5.4
Lead, Total	EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Metals II	
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Non-Metals	
Chloride	EPA 300.0 Rev. 2.1
Cyanide	EPA 335.4 Rev. 1.0
Fluoride, Total	EPA 300.0 Rev. 2.1
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Volatile Aromatics	
1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2
Volatile Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 524.2

Serial No.: 54473

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. MAYA MURSHAK
MERIT LABORATORIES, INC.
2680 EAST LANSING DRIVE
EAST LANSING, MI 48823

NY Lab Id No: 11814

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Volatile Halocarbons		Volatile Halocarbons	
1,1,1-Trichloroethane	EPA 524.2	Vinyl chloride	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2		
1,1,2-Trichloroethane	EPA 524.2		
1,1-Dichloroethane	EPA 524.2		
1,1-Dichloroethene	EPA 524.2		
1,1-Dichloropropene	EPA 524.2		
1,2,3-Trichloropropane	EPA 524.2		
1,2-Dichloroethane	EPA 524.2		
1,2-Dichloropropane	EPA 524.2		
1,3-Dichloropropane	EPA 524.2		
2,2-Dichloropropane	EPA 524.2		
Bromochloromethane	EPA 524.2		
Bromomethane	EPA 524.2		
Carbon tetrachloride	EPA 524.2		
Chloroethane	EPA 524.2		
Chloromethane	EPA 524.2		
cis-1,2-Dichloroethene	EPA 524.2		
cis-1,3-Dichloropropene	EPA 524.2		
Dibromomethane	EPA 524.2		
Dichlorodifluoromethane	EPA 524.2		
Methylene chloride	EPA 524.2		
Tetrachloroethene	EPA 524.2		
trans-1,2-Dichloroethene	EPA 524.2		
trans-1,3-Dichloropropene	EPA 524.2		
Trichloroethene	EPA 524.2		
Trichlorofluoromethane	EPA 524.2		

Serial No.: 54473

Appendix B

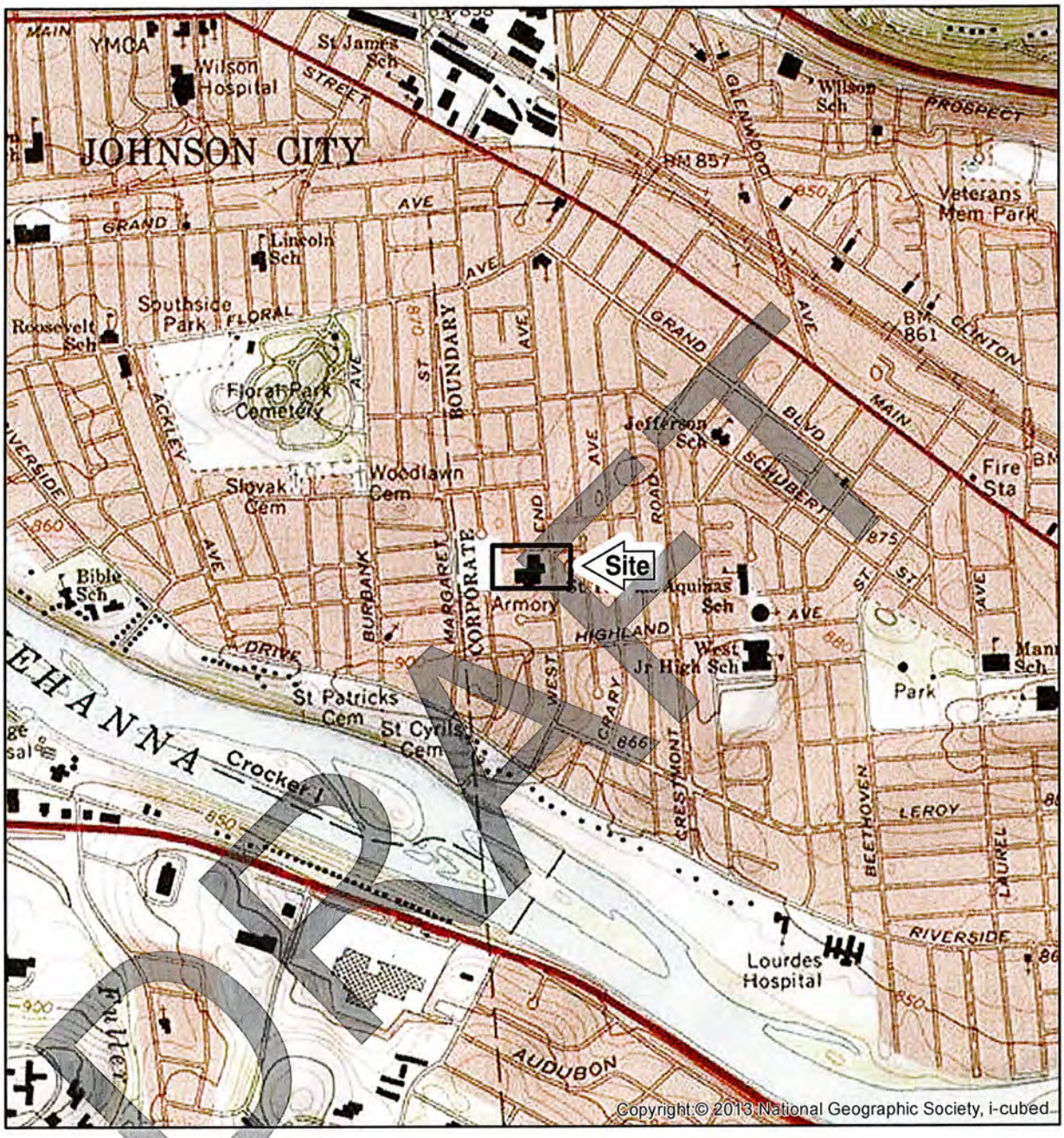
Laboratory Reports and Associated Sample Custody Documentation

(ELECTRONIC VERSION ONLY)

Appendix C

Sample Location Plans
(Provided by OBG)

FIGURE NO. 1



DRAFT

NYSOGS PROJECT SB714
NY DIVISION OF MILITARY AND NAVAL AFFAIRS
STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

SITE LOCATION

N

0 1,000 2,000 4,000
Feet

1:24,000

2069.65079
APRIL 2017

O'BRIEN & GERE ENGINEERS, INC.

4/14/2017 9:38:47 AM

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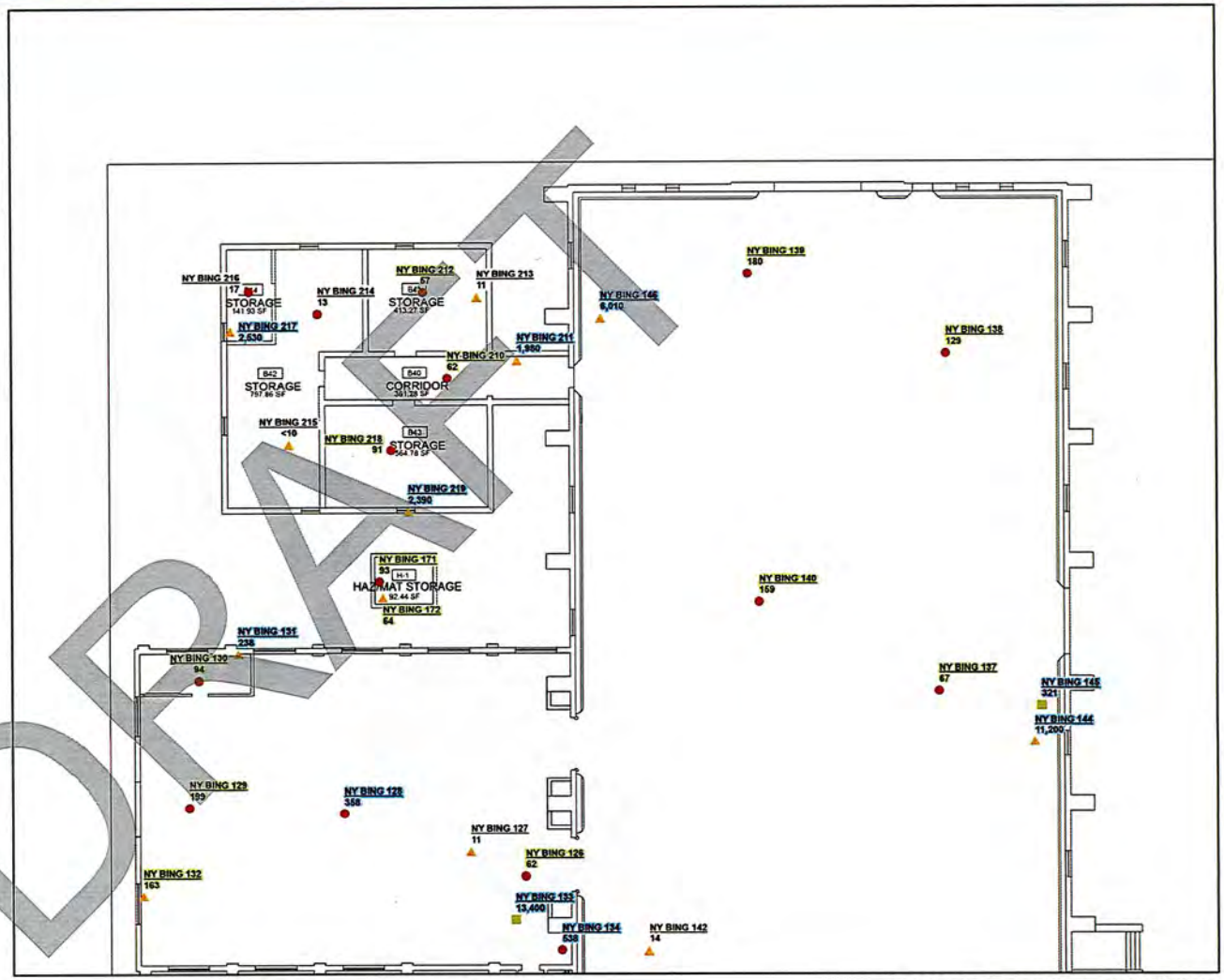
SAMPLE RESULTS SUMMARY FOR FIGURE

Sample ID	Lead Conc (µg/ft²)	Room Number	Surface Type
NY BING 126	62	F7	Floor
NY BING 127	11	F7	Locker
NY BING 128	358	F7	Floor
NY BING 129	199	F7	Floor
NY BING 130	94	F8	Floor
NY BING 131	238	F8	Window Sill
NY BING 132	163	F7	Window Sill
NY BING 133	13,400	F7	Duct-Bare-Rectangular
NY BING 134	538	F7	Floor
NY BING 137	67	F9	Floor
NY BING 138	129	F9	Floor
NY BING 139	180	F9	Floor
NY BING 140	159	F9	Floor
NY BING 142	14	F9	Staged Material
NY BING 144	11,200	F9	Column
NY BING 145	321	F9	Duct-Bare-Round
NY BING 146	6,010	F9	Column
NY BING 171	93	H-1	Floor
NY BING 172	64	H-1	Shelf
NY BING 210	62	B40	Floor
NY BING 211	1,980	B40	Window Sill
NY BING 212	57	B41	Floor
NY BING 213	11	B41	Desk
NY BING 214	13	B42	Floor
NY BING 215	<10	B42	Staged Material
NY BING 216	17	B44	Floor
NY BING 217	2,530	B44	Window Sill
NY BING 218	91	B43	Floor
NY BING 219	2,390	B43	Window Sill



NOTES:
1. ALL UNITS ARE IN MICROGRAMS PER SQUARE FOOT (µg/ft²).
2. FLOOR PLANS PROVIDED BY NYSOGS.

LEGEND

SAMPLE TYPE

- ▲ ELEVATED SURFACE
- ● FLOOR
- ■ MECHANICAL SYSTEM

SAMPLE RESULT KEY

NY BING 1001 RESULTS LESS THAN 40 µg/ft²

NY BING 1001 RESULTS 40 µg/ft² OR GREATER BUT LESS THAN 200 µg/ft²

NY BING 1001 RESULTS 200 µg/ft² OR GREATER

NYSOGS PROJECT SB714
NY DIVISION OF MILITARY AND NAVAL AFFAIRS
STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

NOT TO SCALE

N

LEAD WIPE SAMPLE LOCATIONS AND RESULTS - BASEMENT SOUTHWEST

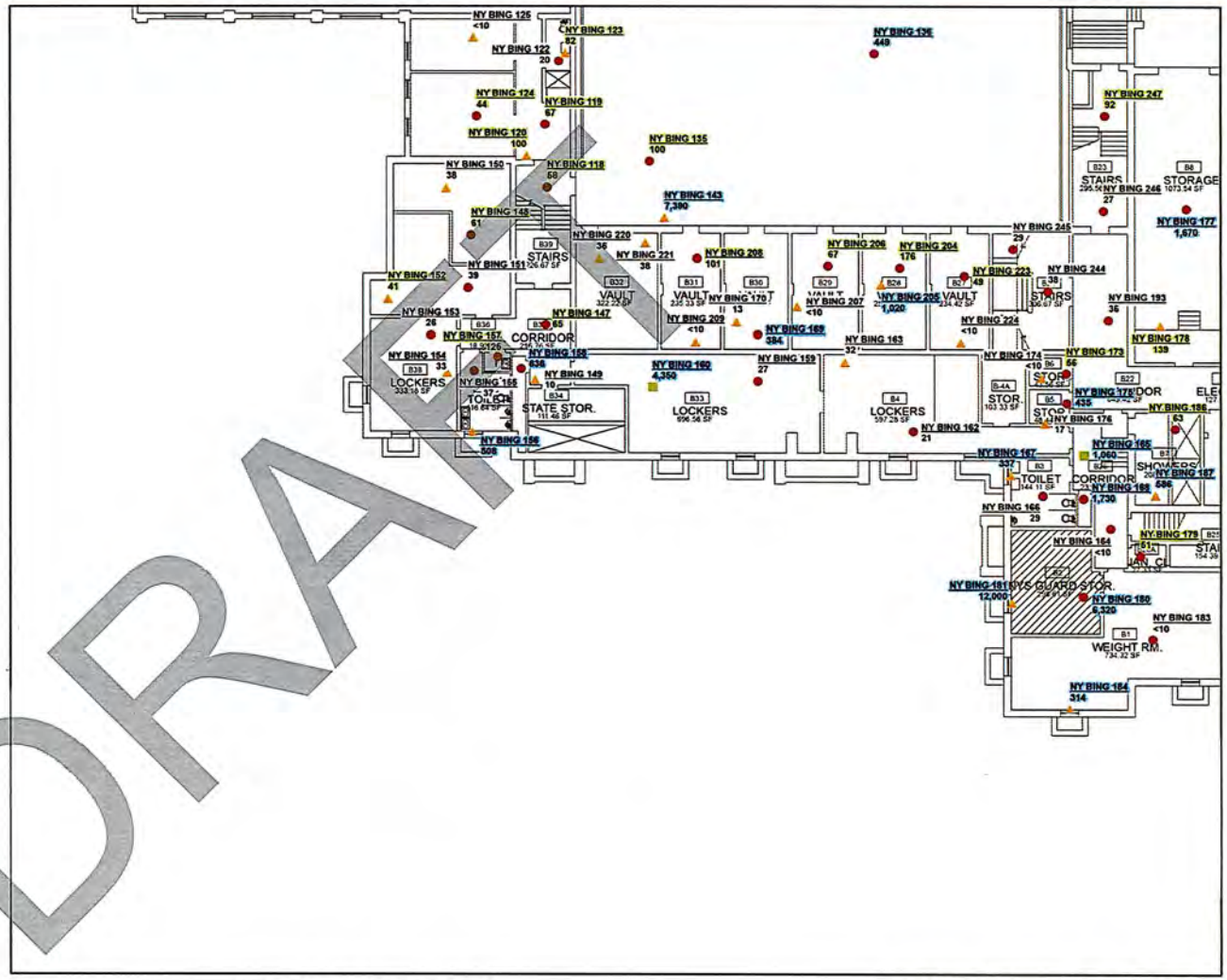
2069.65079
APRIL 2017

O'BRIEN & GERE ENGINEERS, INC.

SAMPLE RESULTS SUMMARY FOR FIGURE

Sample ID	Lead Conc (µg/ft²)	Room Number	Surface Type
NY BING 118	58	B39	Floor
NY BING 119	67	F3	Floor
NY BING 120	100	F3	Locker
NY BING 122	20	F6	Floor
NY BING 123	82	F6	Staged Material
NY BING 124	44	F4	Floor
NY BING 125	<10	F5	Desk
NY BING 135	100	F9	Floor
NY BING 136	449	F9	Floor
NY BING 143	7,390	F9	Locker
NY BING 147	65	B35	Floor
NY BING 148	61	F2	Floor
NY BING 149	10	B35	Table
NY BING 150	38	F2	Ledge
NY BING 151	39	F1	Floor
NY BING 152	41	F1	Locker
NY BING 153	26	B38	Floor
NY BING 154	33	B38	Locker
NY BING 155	37	B37	Floor
NY BING 156	508	B37	Window Sill
NY BING 157	125	B36	Floor
NY BING 158	636		Floor
NY BING 159	27	B33	Floor
NY BING 160	4,350	B33	Duct-Bare-Rectangular
NY BING 162	21	B4	Floor
NY BING 163	32	B4	Locker
NY BING 164	<10	B26	Floor
NY BING 165	1,060	B26	Duct-Bare-Rectangular
NY BING 166	29	B3	Floor
NY BING 167	337	B3	Window Sill
NY BING 168	1,730		Floor
NY BING 169	384	B30	Floor
NY BING 170	13	B30	Locker
NY BING 173	56	B6	Floor
NY BING 174	<10	B6	Locker
NY BING 175	435	B5	Floor
NY BING 176	17	B5	Locker
NY BING 177	1,670	B8	Floor
NY BING 178	139	B8	Shelf
NY BING 179	51	B26a	Floor
NY BING 180	6,320	B2	Floor
NY BING 181	12,000	B2	Window Sill
NY BING 183	<10	B1	Floor
NY BING 184	314	B1	Window Sill
NY BING 186	63	B7	Floor
NY BING 187	586	B7	Ledge
NY BING 193	36	B22	Floor
NY BING 204	176	B28	Floor
NY BING 205	1,020	B28	Desk
NY BING 206	67	B29	Floor
NY BING 207	<10	B29	Locker
NY BING 208	101	B30	Floor
NY BING 209	<10	B31	Bookshelf
NY BING 220	36	B32	Floor
NY BING 221	38	B32	Locker
NY BING 223	49	B27	Floor
NY BING 224	<10	B27	Locker
NY BING 244	38	B24	Floor
NY BING 245	29	B24	Floor
NY BING 246	27	B23	Floor
NY BING 247	92	B23	Floor

NOTES:
1. ALL UNITS ARE IN MICROGRAMS PER SQUARE FOOT (µg/ft²).
2. FLOOR PLANS PROVIDED BY NYSOGS.



LEGEND

SAMPLE TYPE

- ▲ ELEVATED SURFACE
- ● FLOOR
- ■ MECHANICAL SYSTEM

SAMPLE RESULT KEY

NY BING 1001 RESULTS LESS THAN 40 µg/ft²

NY BING 1001 RESULTS 40 µg/ft² OR GREATER BUT LESS THAN 200 µg/ft²

NY BING 1001 RESULTS 200 µg/ft² OR GREATER

NYSOGS PROJECT SB714
NY DIVISION OF MILITARY AND NAVAL AFFAIRS
STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

NOT TO SCALE

N

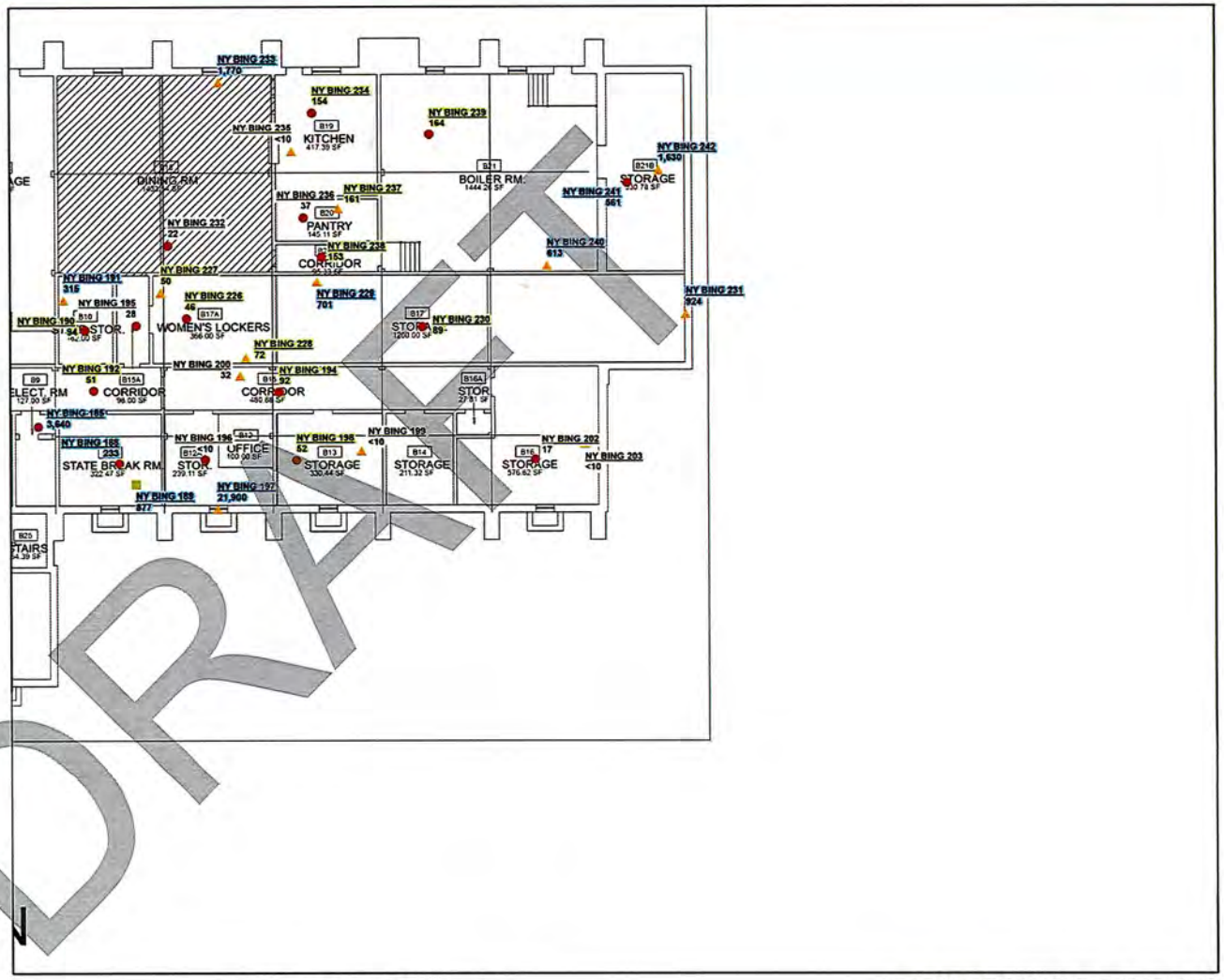
LEAD WIPE SAMPLE LOCATIONS
AND RESULTS - BASEMENT SOUTHEAST

2069 65079
APRIL 2017

O'BRIEN & GERE ENGINEERS, INC.

SAMPLE RESULTS SUMMARY FOR FIGURE

Sample ID	Lead Conc (µg/ft²)	Room Number	Surface Type
NY BING 185	3,640	B9	Floor
NY BING 188	233	B11	Floor
NY BING 189	877	B11	Duct-Bare-Rectangular
NY BING 190	94	B10	Floor
NY BING 191	315	B10	Shelf
NY BING 192	51	B15	Floor
NY BING 194	92	B15	Floor
NY BING 195	28	B15A	Floor
NY BING 196	<10	B12	Floor
NY BING 197	21,900	B12	Window Sill
NY BING 198	52	B13	Floor
NY BING 199	<10	B13	Locker
NY BING 200	32	B15	Locker
NY BING 202	17	B16	Floor
NY BING 203	<10	B16	Locker
NY BING 226	46	B17a	Floor
NY BING 227	50	B17A	Wall
NY BING 228	72	B17A	Wall
NY BING 229	701	B17	Wall
NY BING 230	89	B17	Floor
NY BING 231	924	B17	Wall
NY BING 232	22	B18	Floor
NY BING 233	1,770	B18	Window Sill
NY BING 234	154	B19	Floor
NY BING 235	<10	B19	Kitchen Equipment
NY BING 236	37	B20	Floor
NY BING 237	161	B20	Equipment
NY BING 238	153	B21A	Floor
NY BING 239	164	B21A	Floor
NY BING 240	613	B21	Locker
NY BING 241	561	B21B	Floor
NY BING 242	1,630	B21B	Equipment



NOTES:
1. ALL UNITS ARE IN MICROGRAMS PER SQUARE FOOT (µg/ft²).
2. FLOOR PLANS PROVIDED BY NYSOGS.

LEGEND

SAMPLE TYPE

- ▲ ELEVATED SURFACE
- ● FLOOR
- ■ MECHANICAL SYSTEM

SAMPLE RESULT KEY

- NY BING 1001 RESULTS LESS THAN 40 µg/ft²
- NY BING 1001 RESULTS 40 µg/ft² OR GREATER BUT LESS THAN 200 µg/ft²
- NY BING 1001 RESULTS 200 µg/ft² OR GREATER

NYSOGS PROJECT SB714
NY DIVISION OF MILITARY AND NAVAL AFFAIRS
STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

NOT TO SCALE

N

LEAD WIPE SAMPLE LOCATIONS
AND RESULTS - BASEMENT NORTH

2068 65079
APRIL 2017

O'BRIEN & GERE ENGINEERS, INC.

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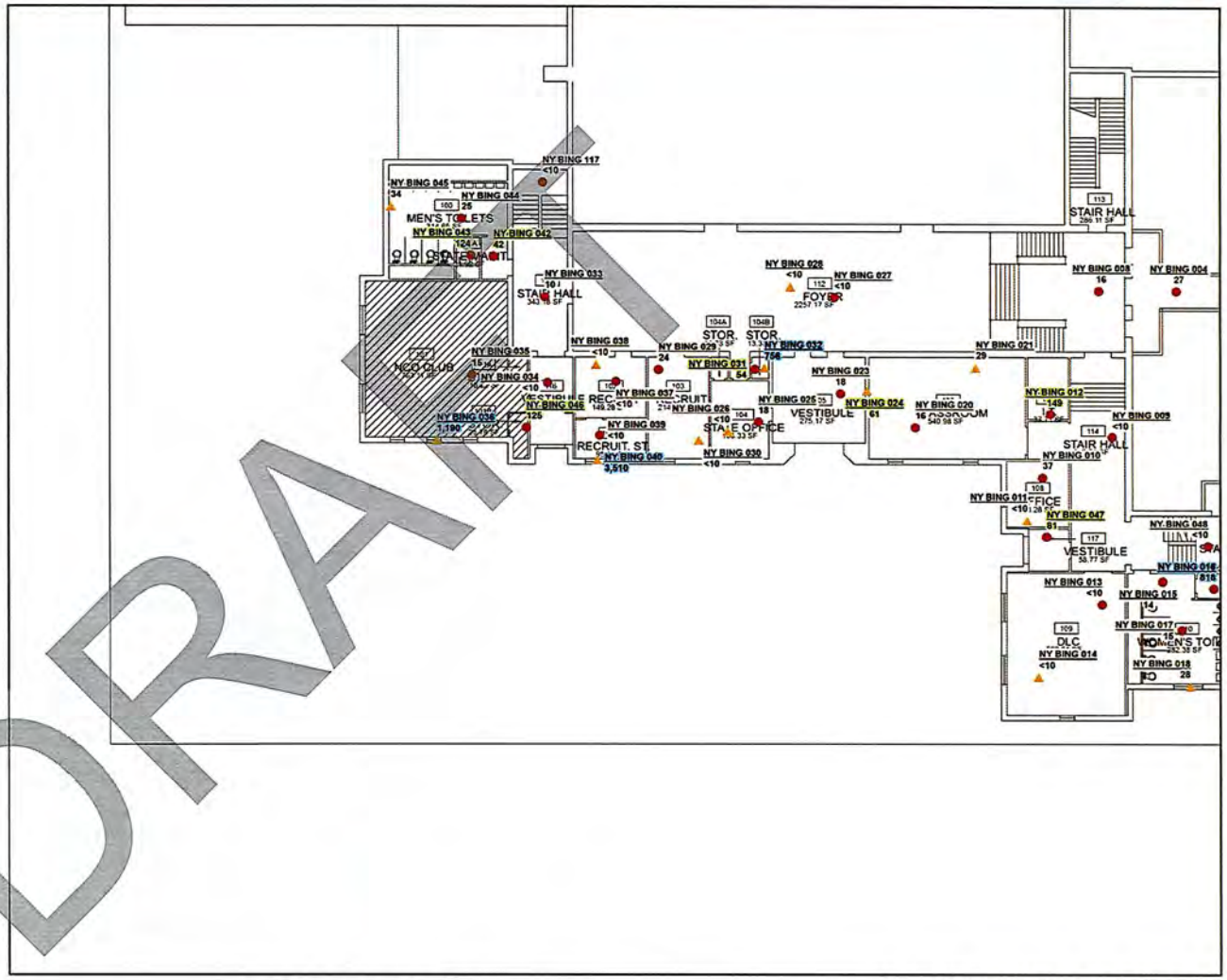
SAMPLE RESULTS SUMMARY FOR FIGURE

Sample ID	Lead Conc (µg/ft²)	Room Number	Surface Type
NY BING 004	27	111	Floor
NY BING 008	16	112	Floor
NY BING 009	<10	114	Floor
NY BING 010	37	108	Floor
NY BING 011	<10	108	Staged Material
NY BING 012	149	107	Floor
NY BING 013	<10	109	Floor
NY BING 014	<10	109	Desk
NY BING 015	14	110B	Floor
NY BING 016	818	110A	Floor
NY BING 017	15	110	Floor
NY BING 018	28	110	Window Sill
NY BING 020	16	106	Floor
NY BING 021	29	106	Bookshelf
NY BING 023	18	105	Floor
NY BING 024	61	105	Bookshelf
NY BING 025	18	104	Floor
NY BING 026	<10	104	Desk
NY BING 027	<10	112	Floor
NY BING 028	<10	112	Display Case
NY BING 029	24	103	Floor
NY BING 030	<10	103	Locker
NY BING 031	54	104B	Floor
NY BING 032	756	104B	Staged Material
NY BING 033	10	115	Floor
NY BING 034	<10	116	Floor
NY BING 035	15	101	Floor
NY BING 036	1,190	101	Window Sill
NY BING 037	<10	102	Floor
NY BING 038	<10	102	Table
NY BING 039	<10	102A	Floor
NY BING 040	3,510	102A	Window Sill
NY BING 042	42		Floor
NY BING 043	124	100A	Floor
NY BING 044	25	100	Floor
NY BING 045	34	100	Window Sill
NY BING 046	125	101B	Floor
NY BING 047	81	117	Floor
NY BING 048	<10	114	Floor
NY BING 117	<10	115	Floor



NOTES:
1. ALL UNITS ARE IN MICROGRAMS PER SQUARE FOOT (µg/ft²).
2. FLOOR PLANS PROVIDED BY NYSOGS.

LEGEND

SAMPLE TYPE

- ▲ ELEVATED SURFACE
- ● FLOOR
- ■ MECHANICAL SYSTEM

SAMPLE RESULT KEY

NY BING 1001	RESULTS LESS THAN 40 µg/ft²
NY BING 1001	RESULTS 40 µg/ft² OR GREATER BUT LESS THAN 200 µg/ft²
NY BING 1001	RESULTS 200 µg/ft² OR GREATER

NYSOGS PROJECT SB714
NY DIVISION OF MILITARY AND NAVAL AFFAIRS
STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

NOT TO SCALE

N

LEAD WIPE SAMPLE LOCATIONS
AND RESULTS - FIRST FLOOR SOUTH

2069.65079
APRIL 2017

O'BRIEN & GERE ENGINEERS, INC.

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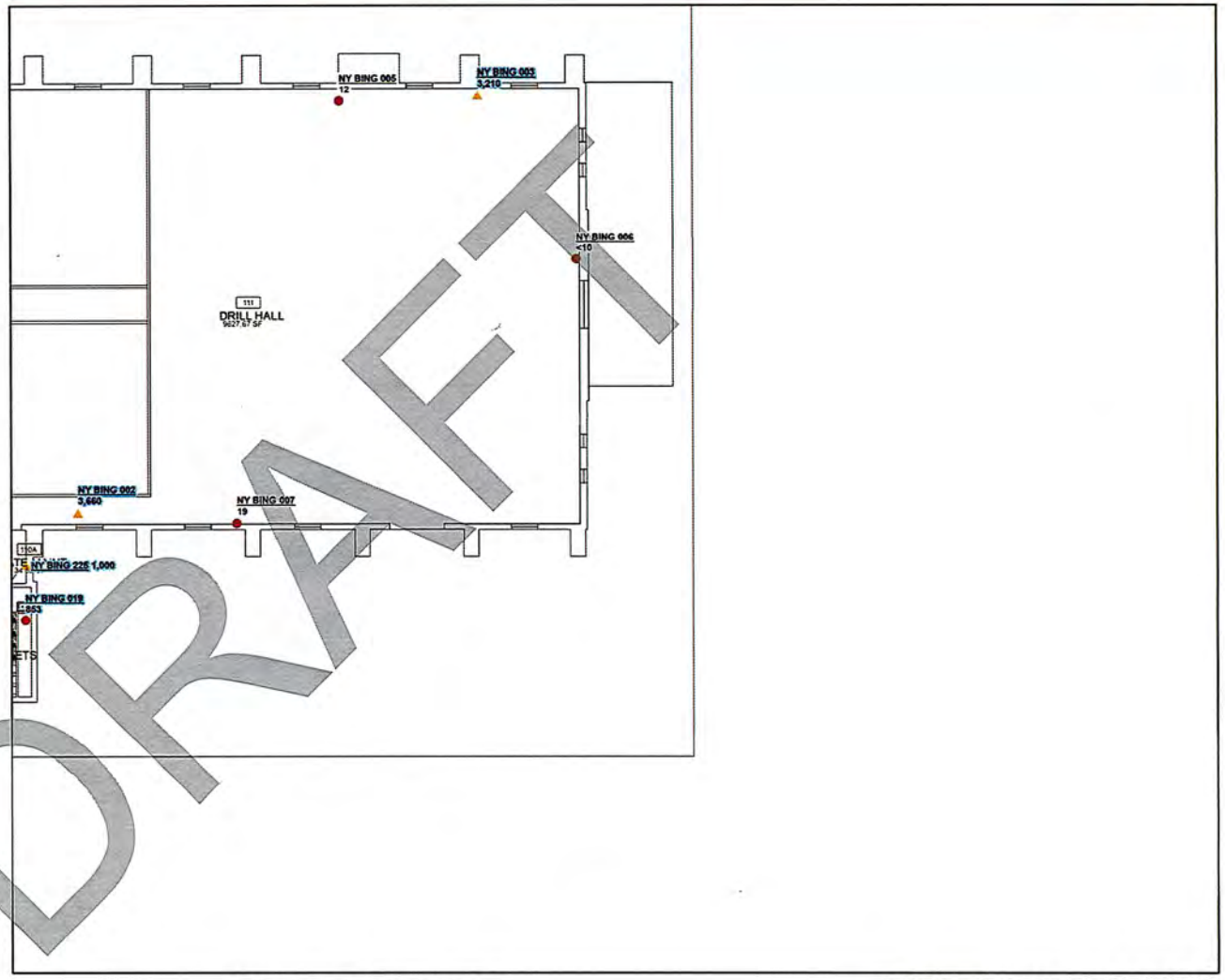
SAMPLE RESULTS SUMMARY FOR FIGURE

Sample ID	Lead Conc (µg/ft²)	Room Number	Surface Type
NY BING 002	3,660	111	Column
NY BING 003	3,210	111	Column
NY BING 005	12	111	Floor
NY BING 006	<10	111	Floor
NY BING 007	19	111	Floor
NY BING 019	853	110	Floor
NY BING 225	1,000		Window Sill



NOTES:
1. ALL UNITS ARE IN MICROGRAMS PER SQUARE FOOT (µg/ft²).
2. FLOOR PLANS PROVIDED BY NYSOGS.

LEGEND

SAMPLE TYPE

- ▲ ELEVATED SURFACE
- ● FLOOR
- ■ MECHANICAL SYSTEM

SAMPLE RESULT KEY

- NY BING 1001 RESULTS LESS THAN 40 µg/ft²
- NY BING 1001 RESULTS 40 µg/ft² OR GREATER BUT LESS THAN 200 µg/ft²
- NY BING 1001 RESULTS 200 µg/ft² OR GREATER

NYSOGS PROJECT SB714
NY DIVISION OF MILITARY AND NAVAL AFFAIRS
STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

NOT TO SCALE

N

LEAD WIPE SAMPLE LOCATIONS
AND RESULTS - FIRST FLOOR NORTH

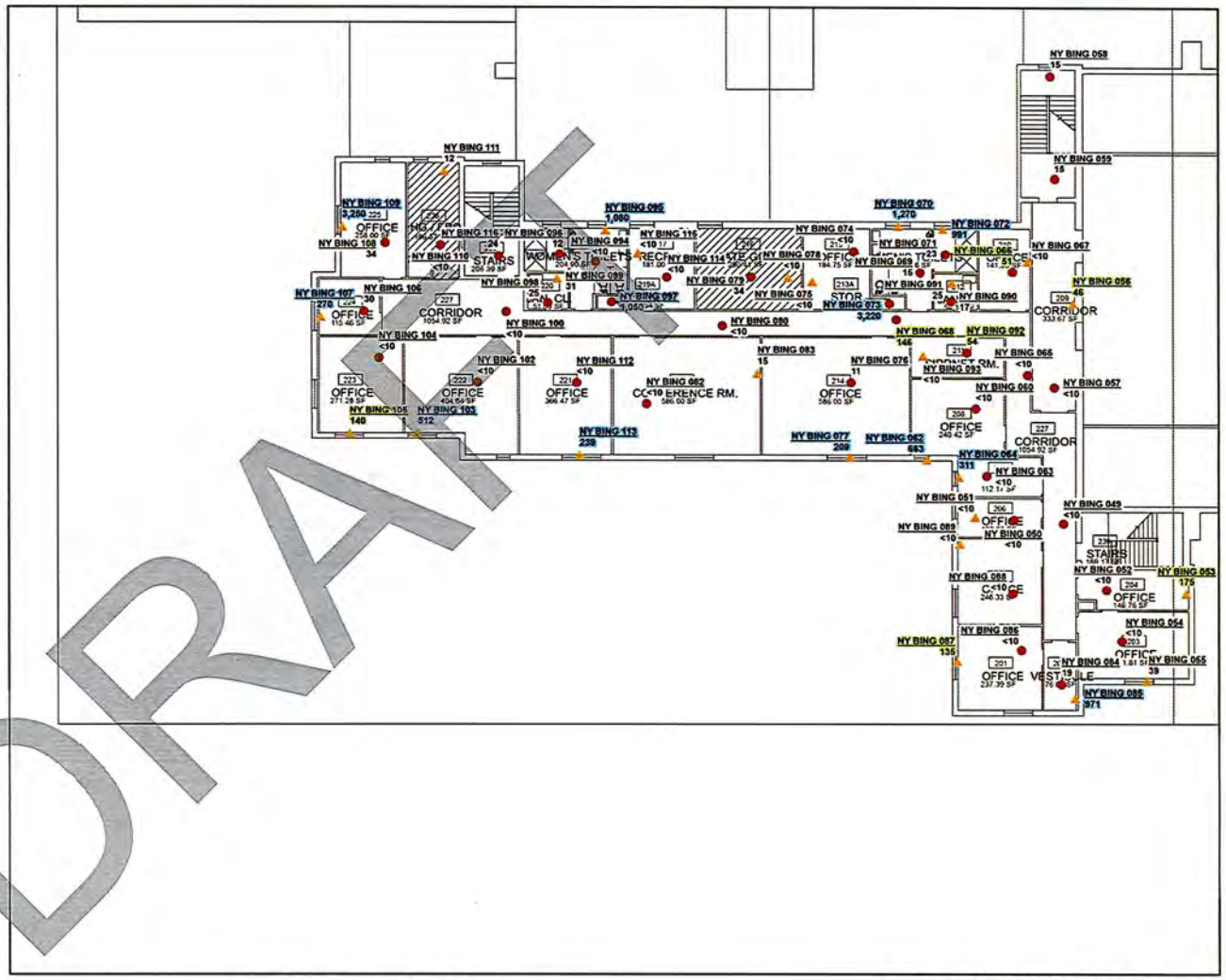
2069.65079
APRIL 2017

O'BRIEN & GERE ENGINEERS, INC.

SAMPLE RESULTS SUMMARY FOR FIGURE

Sample ID	Lead Conc (µg/ft²)	Room Number	Surface Type
NY BING 049	<10	227	Floor
NY BING 050	<10	206	Floor
NY BING 051	<10	206	Desk
NY BING 052	<10	204	Floor
NY BING 053	175	204	Window Sill
NY BING 054	<10	203	Floor
NY BING 055	39	203	Window Sill
NY BING 056	46	209	Desk
NY BING 057	<10	209	Floor
NY BING 058	15	229	Floor
NY BING 059	15	229	Floor
NY BING 060	<10	208	Floor
NY BING 062	663	208	Window Sill
NY BING 063	<10	207	Floor
NY BING 064	311	207	Window Sill
NY BING 065	<10	227	Floor
NY BING 066	51	210	Floor
NY BING 067	<10	210	Table
NY BING 068	146	227	Floor
NY BING 069	15	213	Floor
NY BING 070	1,270	213	Window Sill
NY BING 071	23	213	Floor
NY BING 072	991	213	Window Sill
NY BING 073	3,220	213a	Floor
NY BING 074	<10	215	Floor
NY BING 075	<10	215	Bookshelf
NY BING 076	11	214	Floor
NY BING 077	209	214	Window Sill
NY BING 078	<10	216	Desk
NY BING 079	34	216	Floor
NY BING 080	<10	227	Floor
NY BING 082	<10	218	Floor
NY BING 083	15	218	Bookshelf
NY BING 084	19	202	Floor
NY BING 085	971	202	Window Sill
NY BING 086	<10	201	Floor
NY BING 087	135	201	Window Sill
NY BING 088	<10	205	Floor
NY BING 089	<10	205	Bookshelf
NY BING 090	17	212	Floor
NY BING 091	25	212	Staged Material
NY BING 092	54	211	Floor
NY BING 093	<10	211	Desk
NY BING 094	<10	219	Floor
NY BING 095	1,080	219	Window Sill
NY BING 096	12	219	Floor
NY BING 097	1,050	219A	Floor
NY BING 098	25	220	Floor
NY BING 099	31	220	Shelf
NY BING 100	<10	227	Floor
NY BING 102	<10	222	Floor
NY BING 103	512	222	Window Sill
NY BING 104	<10	223	Floor
NY BING 105	140	223	Window Sill
NY BING 106	30	224	Floor
NY BING 107	270	224	Window Sill
NY BING 108	34	225	Floor
NY BING 109	3,250	225	Window Sill
NY BING 110	<10	226	Floor
NY BING 111	12	226	Bookshelf
NY BING 112	<10	221	Floor
NY BING 113	239	221	Window Sill
NY BING 114	<10	217	Floor
NY BING 115	<10	217	Desk
NY BING 116	24	228	Floor

NOTES:
1. ALL UNITS ARE IN MICROGRAMS PER SQUARE FOOT (µg/ft²).
2. FLOOR PLANS PROVIDED BY NYSOGS.



LEGEND

SAMPLE TYPE

- ELEVATED SURFACE
- FLOOR
- MECHANICAL SYSTEM

SAMPLE RESULT KEY

NY BING 1001	RESULTS LESS THAN 40 µg/ft²
NY BING 1001	RESULTS 40 µg/ft² OR GREATER BUT LESS THAN 200 µg/ft²
NY BING 1001	RESULTS 200 µg/ft² OR GREATER

NYSOGS PROJECT SB714
NY DIVISION OF MILITARY AND NAVAL AFFAIRS
STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

NOT TO SCALE

LEAD WIPE SAMPLE LOCATIONS
AND RESULTS - SECOND FLOOR

2069.65079
APRIL 2017

O'BRIEN & GERE ENGINEERS, INC.

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Appendix D

Summary of Results for Wipe Samples (Provided by OBG)

BINGHAMTON ARMORY
85 West End Avenue, Binghamton, NY

Lab ID	Sample ID	Lead Result (µg/ft2)	RL	MDL	Surface Type	Material	Texture	Color	Floor	Room Number	Room Type	Comments	Date/Time Collected	Matrix
BASEMENT FLOOR SAMPLES (FLOOR 0)														122 records
S80243.72	NY BING 168	1,730	10	0.22	Floor	Concrete	Smooth	Grey	0		PIPE CHASE	Sampled 3/24	03/24/2017 07:54	Wipe
S80243.62	NY BING 158	636	10	0.22	Floor	Concrete	Smooth	Grey	0		PIPE CHASE		03/24/2017 07:30	Wipe
S80243.87	NY BING 183	<10	10	0.22	Floor	Tile Carpet	Rough	Grey	0	B1	TRAINING ROOM	Gym. Sampled 3/24	03/24/2017 08:59	Wipe
S80243.88	NY BING 184	314	10	0.22	Window Sill	Wood	Smooth	Black	0	B1	TRAINING ROOM	Gym. Painted. Sampled 3/24	03/24/2017 09:01	Wipe
S80243.94	NY BING 190	94	10	0.22	Floor	Concrete	Smooth	Grey	0	B10	MAINTENANCE ROOM/STORAGE	Epoxy	03/24/2017 09:20	Wipe
S80243.95	NY BING 191	315	10	0.22	Shelf	Steel	Smooth	Green	0	B10	MAINTENANCE ROOM/STORAGE		03/24/2017 09:22	Wipe
S80243.92	NY BING 188	233	10	0.22	Floor	Concrete	Smooth	Grey	0	B11	MAINTENANCE ROOM/STORAGE	Epoxy	03/24/2017 09:14	Wipe
S80243.93	NY BING 189	877	10	0.22	Duct-Bare-Rectangular	Aluminum	Smooth	Metallic	0	B11	MAINTENANCE ROOM/STORAGE		03/24/2017 09:16	Wipe
S80244.04	NY BING 196	<10	10	0.22	Floor	Concrete	Smooth	Grey	0	B12	OFFICE	One room for b12 and b12a	03/24/2017 09:31	Wipe
S80244.05	NY BING 197	21,900	10	0.22	Window Sill	Wood	Smooth	Brown	0	B12	OFFICE	One room for b12 and b12a. Painted	03/24/2017 09:32	Wipe
S80244.07	NY BING 199	<10	10	0.22	Locker	Steel	Smooth	Green	0	B13	LOCKER ROOM		03/24/2017 09:36	Wipe
S80244.06	NY BING 198	52	10	0.22	Floor	Concrete	Smooth	Grey	0	B13	LOCKER ROOM	Epoxy	03/24/2017 09:34	Wipe
S80243.96	NY BING 192	51	10	0.22	Floor	Concrete	Smooth	Grey	0	B15	CORRIDOR	Epoxy	03/24/2017 09:24	Wipe
S80244.02	NY BING 194	92	10	0.22	Floor	12x12 Floor Tile	Smooth	Multi	0	B15	CORRIDOR		03/24/2017 09:28	Wipe
S80244.08	NY BING 200	32	10	0.22	Locker	Steel	Smooth	Green	0	B15	CORRIDOR		03/24/2017 09:38	Wipe
S80244.03	NY BING 195	28	10	0.22	Floor	Concrete	Smooth	Grey	0	B15A	CORRIDOR	Epoxy	03/24/2017 09:29	Wipe
S80244.11	NY BING 203	<10	10	0.22	Locker	Steel	Smooth	Green	0	B16	MAINTENANCE ROOM/STORAGE		03/24/2017 09:44	Wipe
S80244.10	NY BING 202	17	10	0.22	Floor	12x12 Floor Tile	Smooth	Grey	0	B16	MAINTENANCE ROOM/STORAGE		03/24/2017 09:42	Wipe
S80244.39	NY BING 231	924	10	0.22	Wall	Steel	Smooth	White	0	B17	MAINTENANCE ROOM/STORAGE	Painted. Was firing range	03/24/2017 11:16	Wipe
S80244.38	NY BING 230	89	10	0.22	Floor	Concrete	Smooth	Grey	0	B17	MAINTENANCE ROOM/STORAGE	Epoxy. Was firing range	03/24/2017 11:14	Wipe
S80244.37	NY BING 229	701	10	0.22	Wall	Brick	Smooth	Red	0	B17	MAINTENANCE ROOM/STORAGE	Was firing range	03/24/2017 11:12	Wipe
S80244.35	NY BING 227	50	10	0.22	Wall	Brick	Smooth	Red	0	B17A	LOCKER ROOM	Was firing range	03/24/2017 11:08	Wipe
S80244.34	NY BING 226	46	10	0.22	Floor	Concrete	Smooth	Grey	0	B17a	LOCKER ROOM	Epoxy. Was firing range	03/24/2017 11:06	Wipe
S80244.36	NY BING 228	72	10	0.22	Floor	Brick	Smooth	Red	0	B17A	LOCKER ROOM	Was firing range	03/24/2017 11:10	Wipe
S80244.41	NY BING 233	1,770	10	0.22	Window Sill	Wood	Smooth	Brown	0	B18	KITCHEN	Painted	03/24/2017 11:20	Wipe
S80244.40	NY BING 232	22	10	0.22	Floor	12x12 Floor Tile	Smooth	Multi	0	B18	KITCHEN		03/24/2017 11:18	Wipe
S80244.42	NY BING 234	154	10	0.22	Floor	Ceramic Tile	Smooth	Red	0	B19	KITCHEN		03/24/2017 11:24	Wipe
S80244.43	NY BING 235	<10	10	0.22	Kitchen Equipment	Steel	Smooth	Metallic	0	B19	KITCHEN		03/24/2017 11:26	Wipe
S80243.84	NY BING 180	6,320	10	0.22	Floor	Concrete	Smooth	Grey	0	B2	MAINTENANCE ROOM/STORAGE	Painted. Sampled 3/24	03/24/2017 08:54	Wipe
S80243.85	NY BING 181	12,000	10	0.22	Window Sill	Wood	Smooth	Red	0	B2	MAINTENANCE ROOM/STORAGE	Painted. Sampled 3/24	03/24/2017 08:56	Wipe
S80244.45	NY BING 237	161	10	0.22	Equipment	Steel	Smooth	Green	0	B20	MAINTENANCE ROOM/STORAGE	Painted	03/24/2017 11:30	Wipe
S80244.44	NY BING 236	37	10	0.22	Floor	Concrete	Smooth	Grey	0	B20	MAINTENANCE ROOM/STORAGE		03/24/2017 11:28	Wipe
S80244.48	NY BING 240	613	10	0.22	Locker	Steel	Smooth	Yellow	0	B21	MECHANICAL ROOM	Flammable cabinet	03/24/2017 11:38	Wipe
S80244.47	NY BING 239	164	10	0.22	Floor	Concrete	Smooth	Grey	0	B21A	MECHANICAL ROOM	Painted	03/24/2017 11:36	Wipe
S80244.46	NY BING 238	153	10	0.22	Floor	Concrete	Smooth	Grey	0	B21A	CORRIDOR	Painted	03/24/2017 11:34	Wipe
S80244.49	NY BING 241	561	10	0.22	Floor	Concrete	Rough	Grey	0	B21B	MAINTENANCE ROOM/STORAGE		03/24/2017 11:40	Wipe
S80244.50	NY BING 242	1,630	10	0.22	Equipment	Steel	Smooth	Green	0	B21B	MAINTENANCE ROOM/STORAGE		03/24/2017 11:41	Wipe
S80244.01	NY BING 193	36	10	0.22	Floor	Concrete	Smooth	Grey	0	B22	CORRIDOR	Epoxy	03/24/2017 09:26	Wipe
S80244.55	NY BING 247	92	10	0.22	Floor	Concrete	Smooth	Grey	0	B23	LANDING	Epoxy	03/24/2017 11:53	Wipe
S80244.54	NY BING 246	27	10	0.22	Floor	Concrete	Smooth	Grey	0	B23	LANDING	Epoxy	03/24/2017 11:51	Wipe
S80244.53	NY BING 245	29	10	0.22	Floor	Marble	Smooth	Black	0	B24	LANDING		03/24/2017 11:49	Wipe
S80244.52	NY BING 244	38	10	0.22	Floor	Concrete	Smooth	Grey	0	B24	LANDING	Epoxy	03/24/2017 11:47	Wipe
S80243.68	NY BING 164	<10	10	0.22	Floor	Concrete	Smooth	Grey	0	B26	CORRIDOR	Epoxy	03/24/2017 07:46	Wipe
S80243.69	NY BING 165	1,060	10	0.22	Duct-Bare-Rectangular	Aluminum	Smooth	Metallic	0	B26	CORRIDOR		03/24/2017 07:48	Wipe
S80243.83	NY BING 179	51	10	0.22	Floor	Concrete	Smooth	Grey	0	B26a	JANITOR CLOSET	Painted. Sampled 3/24	03/24/2017 08:52	Wipe
S80244.32	NY BING 224	<10	10	0.22	Locker	Steel	Smooth	Blue	0	B27	VAULT		03/24/2017 10:48	Wipe

Lab ID	Sample ID	Lead Result (µg/ft2)	RL	MDL	Surface Type	Material	Texture	Color	Floor	Room Number	Room Type	Comments	Date/Time Collected	Matrix
S80244.31	NY BING 223	49	10	0.22	Floor	12x12 Floor Tile	Smooth	Brown	0	B27	VAULT		03/24/2017 10:46	Wipe
S80244.12	NY BING 204	176	10	0.22	Floor	12x12 Floor Tile	Smooth	Black	0	B28	VAULT		03/24/2017 09:49	Wipe
S80244.13	NY BING 205	1,020	10	0.22	Desk	Wood	Smooth	Brown	0	B28	VAULT		03/24/2017 09:50	Wipe
S80244.15	NY BING 207	<10	10	0.22	Locker	Steel	Smooth	Green	0	B29	VAULT		03/24/2017 09:54	Wipe
S80244.14	NY BING 206	67	10	0.22	Floor	12x12 Floor Tile	Smooth	Grey	0	B29	VAULT		03/24/2017 09:53	Wipe
S80243.71	NY BING 167	337	10	0.22	Window Sill	Wood	Smooth	Black	0	B3	BATHROOM	Painted. Sampled 3/24	03/24/2017 07:52	Wipe
S80243.70	NY BING 166	29	10	0.22	Floor	Ceramic Tile	Smooth	Brown	0	B3	BATHROOM		03/24/2017 07:50	Wipe
S80244.16	NY BING 208	101	10	0.22	Floor	9x9 Floor Tile	Smooth	Brown	0	B30	VAULT	Asbestos tile	03/24/2017 09:57	Wipe
S80243.73	NY BING 169	384	10	0.22	Floor	Concrete	Smooth	Grey	0	B30	VAULT	Sampled 3/24	03/24/2017 08:30	Wipe
S80243.74	NY BING 170	13	10	0.22	Locker	Steel	Smooth	Green	0	B30	VAULT	Sampled 3/24	03/24/2017 08:32	Wipe
S80244.17	NY BING 209	<10	10	0.22	Bookshelf	Steel	Smooth	Grey	0	B31	VAULT	File cabinet	03/24/2017 09:59	Wipe
S80244.28	NY BING 220	36	10	0.22	Floor	12x12 Floor Tile	Smooth	Black	0	B32	LOCKER ROOM		03/24/2017 10:36	Wipe
S80244.29	NY BING 221	38	10	0.22	Locker	Steel	Smooth	Grey	0	B32	LOCKER ROOM		03/24/2017 10:38	Wipe
S80243.63	NY BING 159	27	10	0.22	Floor	Concrete	Smooth	Grey	0	B33	LOCKER ROOM	Epoxy	03/24/2017 07:32	Wipe
S80243.64	NY BING 160	4,350	10	0.22	Duct-Bare-Rectangular	Aluminum	Smooth	Metallic	0	B33	LOCKER ROOM		03/24/2017 07:34	Wipe
S80243.51	NY BING 147	65	10	0.22	Floor	Concrete	Smooth	Blue	0	B35	CORRIDOR	Painted	03/23/2017 15:05	Wipe
S80243.53	NY BING 149	10	10	0.22	Table	Laminate	Smooth	Tan	0	B35	CORRIDOR		03/23/2017 15:09	Wipe
S80243.61	NY BING 157	125	10	0.22	Floor	Concrete	Smooth	Grey	0	B36	JANITOR CLOSET		03/24/2017 07:29	Wipe
S80243.59	NY BING 155	37	10	0.22	Floor	Bathroom Tile	Smooth	Brown	0	B37	BATHROOM		03/24/2017 07:25	Wipe
S80243.60	NY BING 156	508	10	0.22	Window Sill	Wood	Smooth	Tan	0	B37	BATHROOM	Painted	03/24/2017 07:27	Wipe
S80243.58	NY BING 154	33	10	0.22	Locker	Steel	Smooth	Green	0	B38	LOCKER ROOM		03/24/2017 07:23	Wipe
S80243.57	NY BING 153	26	10	0.22	Floor	12x12 Floor Tile	Smooth	Multi	0	B38	LOCKER ROOM		03/24/2017 07:21	Wipe
S80243.22	NY BING 118	58	10	0.22	Floor	Concrete	Smooth	Grey	0	B39	STAIRS		03/23/2017 13:49	Wipe
S80243.67	NY BING 163	32	10	0.22	Locker	Steel	Smooth	Green	0	B4	LOCKER ROOM		03/24/2017 07:41	Wipe
S80243.66	NY BING 162	21	10	0.22	Floor	Concrete	Smooth	Grey	0	B4	LOCKER ROOM	Epoxy	03/24/2017 07:39	Wipe
S80244.18	NY BING 210	62	10	0.22	Floor	Concrete	Smooth	Grey	0	B40	CORRIDOR	Painted	03/24/2017 10:11	Wipe
S80244.19	NY BING 211	1,980	10	0.22	Window Sill	Brick	Smooth	Red	0	B40	CORRIDOR		03/24/2017 10:13	Wipe
S80244.21	NY BING 213	11	10	0.22	Desk	Steel	Smooth	Black	0	B41	MAINTENANCE ROOM/STORAGE		03/24/2017 10:18	Wipe
S80244.20	NY BING 212	57	10	0.22	Floor	Concrete	Smooth	Grey	0	B41	MAINTENANCE ROOM/STORAGE	Painted	03/24/2017 10:16	Wipe
S80244.22	NY BING 214	13	10	0.22	Floor	9x9 Floor Tile	Smooth	Multi	0	B42	MAINTENANCE ROOM/STORAGE	Asbestos tile	03/24/2017 10:20	Wipe
S80244.23	NY BING 215	<10	10	0.22	Staged Material	Plastic	Smooth	Black	0	B42	MAINTENANCE ROOM/STORAGE		03/24/2017 10:22	Wipe
S80244.27	NY BING 219	2,390	10	0.22	Window Sill	Brick	Smooth	Red	0	B43	MAINTENANCE ROOM/STORAGE		03/24/2017 10:29	Wipe
S80244.26	NY BING 218	91	10	0.22	Floor	Concrete	Smooth	Grey	0	B43	MAINTENANCE ROOM/STORAGE	Painted	03/24/2017 10:27	Wipe
S80244.25	NY BING 217	2,530	10	0.22	Window Sill	Brick	Smooth	Red	0	B44	OFFICE		03/24/2017 10:25	Wipe
S80244.24	NY BING 216	17	10	0.22	Floor	12x12 Floor Tile	Smooth	Multi	0	B44	OFFICE		03/24/2017 10:23	Wipe
S80243.80	NY BING 176	17	10	0.22	Locker	Steel	Smooth	Green	0	B5	MAINTENANCE ROOM/STORAGE	Sampled 3/24	03/24/2017 08:48	Wipe
S80243.79	NY BING 175	435	10	0.22	Floor	Concrete	Smooth	Grey	0	B5	MAINTENANCE ROOM/STORAGE	Sampled 3/24	03/24/2017 08:46	Wipe
S80243.78	NY BING 174	<10	10	0.22	Locker	Steel	Smooth	Green	0	B6	MAINTENANCE ROOM/STORAGE	Sampled 3/24	03/24/2017 08:44	Wipe
S80243.77	NY BING 173	56	10	0.22	Floor	Concrete	Smooth	Grey	0	B6	MAINTENANCE ROOM/STORAGE	Sampled 3/24	03/24/2017 08:42	Wipe
S80243.90	NY BING 186	63	10	0.22	Floor	Bathroom Tile	Smooth	Grey	0	B7	BATHROOM		03/24/2017 09:10	Wipe
S80243.91	NY BING 187	586	10	0.22	Ledge	Wood	Smooth	Black	0	B7	BATHROOM	Bench. Painted	03/24/2017 09:12	Wipe
S80243.81	NY BING 177	1,670	10	0.22	Floor	Concrete	Smooth	Grey	0	B8	MAINTENANCE ROOM/STORAGE	Sampled 3/24	03/24/2017 08:49	Wipe
S80243.82	NY BING 178	139	10	0.22	Shelf	Wood	Smooth	Brown	0	B8	MAINTENANCE ROOM/STORAGE	Sampled 3/24	03/24/2017 08:50	Wipe
S80243.89	NY BING 185	3,640	10	0.22	Floor	Concrete	Smooth	Grey	0	B9	CORRIDOR	Corridor to transformer room. Too dangerous to enter.	03/24/2017 09:03	Wipe
S80243.55	NY BING 151	39	10	0.22	Floor	Concrete	Smooth	Blue	0	F1	KITCHEN	Painted	03/24/2017 07:17	Wipe
S80243.56	NY BING 152	41	10	0.22	Locker	Steel	Smooth	Grey	0	F1	KITCHEN		03/24/2017 07:19	Wipe
S80243.54	NY BING 150	38	10	0.22	Ledge	Wood	Smooth	Brown	0	F2	LOCKER ROOM	Bench	03/23/2017 15:11	Wipe

Lab ID	Sample ID	Lead Result (µg/ft2)	RL	MDL	Surface Type	Material	Texture	Color	Floor	Room Number	Room Type	Comments	Date/Time Collected	Matrix
S80243.52	NY BING 148	61	10	0.22	Floor	Concrete	Smooth	Blue	0	F2	LOCKER ROOM	Painted	03/23/2017 15:07	Wipe
S80243.23	NY BING 119	67	10	0.22	Floor	Concrete	Smooth	Grey	0	F3	CORRIDOR		03/23/2017 13:51	Wipe
S80243.24	NY BING 120	100	10	0.22	Locker	Steel	Smooth	Grey	0	F3	CORRIDOR		03/23/2017 13:52	Wipe
S80243.28	NY BING 124	44	10	0.22	Floor	Concrete	Smooth	Grey	0	F4	OFFICE		03/23/2017 13:59	Wipe
S80243.29	NY BING 125	<10	10	0.22	Desk	Laminate	Smooth	Black	0	F5	OFFICE	Room is open with neighboring room	03/23/2017 14:01	Wipe
S80243.26	NY BING 122	20	10	0.22	Floor	Vinyl	Smooth	Grey	0	F6	BATHROOM	And storage	03/23/2017 13:56	Wipe
S80243.27	NY BING 123	82	10	0.22	Staged Material	Cardboard	Smooth	Red	0	F6	BATHROOM	And storage area	03/23/2017 13:58	Wipe
S80243.33	NY BING 129	199	10	0.22	Floor	Concrete	Smooth	Grey	0	F7	MAINTENANCE ROOM/STORAGE	Painted	03/23/2017 14:10	Wipe
S80243.30	NY BING 126	62	10	0.22	Floor	Concrete	Smooth	Grey	0	F7	MAINTENANCE ROOM/STORAGE	Painted	03/23/2017 14:03	Wipe
S80243.31	NY BING 127	11	10	0.22	Locker	Steel	Smooth	Yellow	0	F7	MAINTENANCE ROOM/STORAGE	Flammable cabinet	03/23/2017 14:05	Wipe
S80243.32	NY BING 128	358	10	0.22	Floor	Concrete	Smooth	Grey	0	F7	MAINTENANCE ROOM/STORAGE		03/23/2017 14:07	Wipe
S80243.36	NY BING 132	163	10	0.22	Window Sill	Concrete	Smooth	White	0	F7	MAINTENANCE ROOM/STORAGE	Painted	03/23/2017 14:22	Wipe
S80243.37	NY BING 133	13,400	10	0.22	Duct-Bare-Rectangular	Aluminum	Smooth	Metallic	0	F7	MAINTENANCE ROOM/STORAGE		03/23/2017 14:24	Wipe
S80243.38	NY BING 134	538	10	0.22	Floor	Concrete	Smooth	Grey	0	F7	CLOSET	Room separated out	03/23/2017 14:26	Wipe
S80243.35	NY BING 131	238	10	0.22	Window Sill	Concrete	Smooth	White	0	F8	MAINTENANCE ROOM/STORAGE	Painted	03/23/2017 14:20	Wipe
S80243.34	NY BING 130	94	10	0.22	Floor	Concrete	Smooth	Grey	0	F8	MAINTENANCE ROOM/STORAGE	Painted	03/23/2017 14:18	Wipe
S80243.46	NY BING 142	14	10	0.22	Staged Material	Steel	Smooth	Red	0	F9	PARKING AREA		03/23/2017 14:43	Wipe
S80243.44	NY BING 140	159	10	0.22	Floor	Concrete	Smooth	Grey	0	F9	PARKING AREA	Painted	03/23/2017 14:39	Wipe
S80243.50	NY BING 146	6,010	10	0.22	Column	Steel	Smooth	Brown	0	F9	PARKING AREA	Steel beam. Roof truss. Painted	03/23/2017 14:55	Wipe
S80243.49	NY BING 145	321	10	0.22	Duct-Bare-Round	Aluminum	Smooth	Metallic	0	F9	PARKING AREA		03/23/2017 14:49	Wipe
S80243.48	NY BING 144	11,200	10	0.22	Column	Steel	Smooth	Metallic	0	F9	PARKING AREA	Steel cross brace	03/23/2017 14:47	Wipe
S80243.47	NY BING 143	7,390	10	0.22	Locker	Steel	Smooth	Yellow	0	F9	PARKING AREA	Flammable cabinet	03/23/2017 14:45	Wipe
S80243.39	NY BING 135	100	10	0.22	Floor	Concrete	Smooth	Grey	0	F9	PARKING AREA	Painted	03/23/2017 14:29	Wipe
S80243.40	NY BING 136	449	10	0.22	Floor	Concrete	Smooth	Multi	0	F9	PARKING AREA	Painted	03/23/2017 14:31	Wipe
S80243.41	NY BING 137	67	10	0.22	Floor	Concrete	Smooth	Grey	0	F9	PARKING AREA	Painted	03/23/2017 14:33	Wipe
S80243.42	NY BING 138	129	10	0.22	Floor	Concrete	Smooth	Grey	0	F9	PARKING AREA	Painted	03/23/2017 14:35	Wipe
S80243.43	NY BING 139	180	10	0.22	Floor	Concrete	Smooth	Grey	0	F9	PARKING AREA	Painted	03/23/2017 14:37	Wipe
S80243.76	NY BING 172	64	10	0.22	Shelf	Wood	Smooth	Brown	0	H-1	MAINTENANCE ROOM/STORAGE	Storage. Sampled 3/24	03/24/2017 08:40	Wipe
S80243.75	NY BING 171	93	10	0.22	Floor	Concrete	Smooth	Grey	0	H-1	MAINTENANCE ROOM/STORAGE	Hazmat storage. Sampled 3/24	03/24/2017 08:38	Wipe
1ST FLOOR SAMPLES (FLOOR 1)														47 records
S80240.42	NY BING 042	42	10	0.22	Floor	Vinyl	Smooth	Grey	1		CORRIDOR		03/23/2017 10:00	Wipe
S80244.33	NY BING 225	1,000	10	0.22	Window Sill	Wood	Smooth	Black	1		LANDING	Painted	03/24/2017 11:00	Wipe
S80240.44	NY BING 044	25	10	0.22	Floor	Ceramic Tile	Smooth	Brown	1	100	BATHROOM		03/23/2017 10:04	Wipe
S80240.45	NY BING 045	34	10	0.22	Window Sill	Wood	Smooth	Black	1	100	BATHROOM	Painted	03/23/2017 10:05	Wipe
S80240.43	NY BING 043	124	10	0.22	Floor	Concrete	Smooth	Grey	1	100A	JANITOR CLOSET	Painted	03/23/2017 10:02	Wipe
S80240.36	NY BING 036	1,190	10	0.22	Window Sill	Wood	Smooth	Black	1	101	KITCHEN	Painted	03/23/2017 09:46	Wipe
S80240.35	NY BING 035	15	10	0.22	Floor	Wood	Smooth	Brown	1	101	KITCHEN		03/23/2017 09:45	Wipe
S80240.46	NY BING 046	125	10	0.22	Floor	Marble	Smooth	Multi	1	101B	CLOSET		03/23/2017 10:06	Wipe
S80240.38	NY BING 038	<10	10	0.22	Table	Wood	Smooth	Brown	1	102	OFFICE		03/23/2017 09:48	Wipe
S80240.37	NY BING 037	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	1	102	OFFICE		03/23/2017 09:47	Wipe
S80240.40	NY BING 040	3,510	10	0.22	Window Sill	Wood	Smooth	Brown	1	102A	MAINTENANCE ROOM/STORAGE	Painted	03/23/2017 09:50	Wipe
S80240.39	NY BING 039	<10	10	0.22	Floor	Ceramic Tile	Smooth	Brown	1	102A	MAINTENANCE ROOM/STORAGE		03/23/2017 09:49	Wipe
S80240.30	NY BING 030	<10	10	0.22	Locker	Steel	Smooth	Black	1	103	OFFICE	File cabinet	03/23/2017 09:33	Wipe
S80240.29	NY BING 029	24	10	0.22	Floor	Tile Carpet	Smooth	Red	1	103	OFFICE		03/23/2017 09:31	Wipe
S80240.26	NY BING 026	<10	10	0.22	Desk	Wood	Smooth	Brown	1	104	OFFICE		03/23/2017 09:23	Wipe
S80240.25	NY BING 025	18	10	0.22	Floor	Marble	Smooth	Brown	1	104	OFFICE		03/23/2017 09:21	Wipe
S80240.32	NY BING 032	756	10	0.22	Staged Material	Steel	Smooth	Black	1	104B	CLOSET	Safe	03/23/2017 09:40	Wipe

Lab ID	Sample ID	Lead Result (µg/ft2)	RL	MDL	Surface Type	Material	Texture	Color	Floor	Room Number	Room Type	Comments	Date/Time Collected	Matrix
S80240.31	NY BING 031	54	10	0.22	Floor	Marble	Smooth	Multi	1	104B	CLOSET		03/23/2017 09:38	Wipe
S80240.24	NY BING 024	61	10	0.22	Bookshelf	Wood	Smooth	Brown	1	105	VESTIBULE		03/23/2017 09:19	Wipe
S80240.23	NY BING 023	18	10	0.22	Floor	Marble	Smooth	Black	1	105	VESTIBULE		03/23/2017 09:17	Wipe
S80240.20	NY BING 020	16	10	0.22	Floor	Marble	Smooth	Multi	1	106	OFFICE		03/23/2017 09:11	Wipe
S80240.21	NY BING 021	29	10	0.22	Bookshelf	Wood	Smooth	Brown	1	106	OFFICE		03/23/2017 09:13	Wipe
S80240.12	NY BING 012	149	10	0.22	Floor	Marble	Smooth	Multi	1	107	IT CLOSET		03/23/2017 08:51	Wipe
S80240.11	NY BING 011	<10	10	0.22	Staged Material	Cardboard	Smooth	Brown	1	108	MAINTENANCE ROOM/STORAGE		03/23/2017 08:49	Wipe
S80240.10	NY BING 010	37	10	0.22	Floor	Marble	Smooth	Multi	1	108	MAINTENANCE ROOM/STORAGE		03/23/2017 08:47	Wipe
S80240.13	NY BING 013	<10	10	0.22	Floor	Tile Carpet	Smooth	Grey	1	109	TRAINING ROOM		03/23/2017 08:53	Wipe
S80240.14	NY BING 014	<10	10	0.22	Desk	Laminate	Smooth	Grey	1	109	TRAINING ROOM		03/23/2017 08:55	Wipe
S80240.17	NY BING 017	15	10	0.22	Floor	Ceramic Tile	Smooth	Brown	1	110	BATHROOM		03/23/2017 09:01	Wipe
S80240.18	NY BING 018	28	10	0.22	Window Sill	Wood	Smooth	Tan	1	110	BATHROOM	Painted	03/23/2017 09:03	Wipe
S80240.19	NY BING 019	853	10	0.22	Floor	Concrete	Smooth	Grey	1	110	PIPE CHASE		03/23/2017 09:07	Wipe
S80240.16	NY BING 016	818	10	0.22	Floor	Concrete	Smooth	Grey	1	110A	JANITOR CLOSET	Painted	03/23/2017 08:59	Wipe
S80240.15	NY BING 015	14	10	0.22	Floor	Vinyl	Smooth	Black	1	110B	CORRIDOR		03/23/2017 08:57	Wipe
S80240.02	NY BING 002	3,660	10	0.22	Column	Steel	Smooth	Brown	1	111	DRILL/ASSEMBLY HALL	Structural steel. Rafter. Painted	03/23/2017 08:30	Wipe
S80240.03	NY BING 003	3,210	10	0.22	Column	Steel	Smooth	Brown	1	111	DRILL/ASSEMBLY HALL	Painted. Structural steel. Rafter	03/23/2017 08:32	Wipe
S80240.04	NY BING 004	27	10	0.22	Floor	Wood	Smooth	Brown	1	111	DRILL/ASSEMBLY HALL		03/23/2017 08:35	Wipe
S80240.05	NY BING 005	12	10	0.22	Floor	Wood	Smooth	Brown	1	111	DRILL/ASSEMBLY HALL		03/23/2017 08:37	Wipe
S80240.06	NY BING 006	<10	10	0.22	Floor	Wood	Smooth	Brown	1	111	DRILL/ASSEMBLY HALL		03/23/2017 08:39	Wipe
S80240.07	NY BING 007	19	10	0.22	Floor	Wood	Smooth	Brown	1	111	DRILL/ASSEMBLY HALL		03/23/2017 08:41	Wipe
S80240.08	NY BING 008	16	10	0.22	Floor	Concrete	Smooth	Brown	1	112	CORRIDOR	Epoxy	03/23/2017 08:43	Wipe
S80240.27	NY BING 027	<10	10	0.22	Floor	Marble	Smooth	Multi	1	112	CORRIDOR		03/23/2017 09:27	Wipe
S80240.28	NY BING 028	<10	10	0.22	Display Case	Plastic	Smooth		1	112	CORRIDOR	Clear	03/23/2017 09:29	Wipe
S80240.48	NY BING 048	<10	10	0.22	Floor	Marble	Smooth	Black	1	114	LANDING		03/23/2017 10:12	Wipe
S80240.09	NY BING 009	<10	10	0.22	Floor	Marble	Smooth	Multi	1	114	CORRIDOR		03/23/2017 08:45	Wipe
S80240.33	NY BING 033	10	10	0.22	Floor	Marble	Smooth	Multi	1	115	CORRIDOR		03/23/2017 09:42	Wipe
S80243.21	NY BING 117	<10	10	0.22	Floor	Marble	Smooth	Black	1	115	STAIRS		03/23/2017 13:43	Wipe
S80240.34	NY BING 034	<10	10	0.22	Floor	Marble	Smooth	Multi	1	116	VESTIBULE		03/23/2017 09:44	Wipe
S80240.47	NY BING 047	81	10	0.22	Floor	Marble	Smooth	Black	1	117	VESTIBULE		03/23/2017 10:10	Wipe
2ND FLOOR SAMPLES (FLOOR 2)														65 records
S80240.86	NY BING 086	<10	10	0.22	Floor	Tile Carpet	Smooth	Grey	2	201	OFFICE		03/23/2017 11:40	Wipe
S80240.87	NY BING 087	135	10	0.22	Window Sill	Wood	Smooth	Black	2	201	OFFICE		03/23/2017 11:42	Wipe
S80240.84	NY BING 084	19	10	0.22	Floor	Marble	Smooth	Multi	2	202	VESTIBULE		03/23/2017 11:36	Wipe
S80240.85	NY BING 085	971	10	0.22	Window Sill	Wood	Smooth	Black	2	202	VESTIBULE	Painted	03/23/2017 11:38	Wipe
S80240.54	NY BING 054	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	203	OFFICE		03/23/2017 10:27	Wipe
S80240.55	NY BING 055	39	10	0.22	Window Sill	Wood	Smooth	Black	2	203	OFFICE	Painted	03/23/2017 10:29	Wipe
S80240.53	NY BING 053	175	10	0.22	Window Sill	Wood	Smooth	Black	2	204	OFFICE	Painted	03/23/2017 10:25	Wipe
S80240.52	NY BING 052	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	204	OFFICE		03/23/2017 10:24	Wipe
S80240.88	NY BING 088	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	205	OFFICE		03/23/2017 11:44	Wipe
S80240.89	NY BING 089	<10	10	0.22	Bookshelf	Steel	Smooth	Grey	2	205	OFFICE	File cabinet	03/23/2017 11:46	Wipe
S80240.50	NY BING 050	<10	10	0.22	Floor	Marble	Smooth	Multi	2	206	OFFICE		03/23/2017 10:18	Wipe
S80240.51	NY BING 051	<10	10	0.22	Desk	Wood	Smooth	Brown	2	206	OFFICE		03/23/2017 10:23	Wipe
S80240.64	NY BING 064	311	10	0.22	Window Sill	Wood	Smooth	Black	2	207	MAINTENANCE ROOM/STORAGE	Painted	03/23/2017 10:49	Wipe
S80240.63	NY BING 063	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	207	MAINTENANCE ROOM/STORAGE		03/23/2017 10:47	Wipe
S80240.62	NY BING 062	663	10	0.22	Window Sill	Wood	Smooth	Black	2	208	OFFICE	Painted	03/23/2017 10:45	Wipe
S80240.60	NY BING 060	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	208	OFFICE		03/23/2017 10:42	Wipe

Lab ID	Sample ID	Lead Result (µg/ft2)	RL	MDL	Surface Type	Material	Texture	Color	Floor	Room Number	Room Type	Comments	Date/Time Collected	Matrix
S80240.57	NY BING 057	<10	10	0.22	Floor	Marble	Smooth	Multi	2	209	CORRIDOR		03/23/2017 10:33	Wipe
S80240.56	NY BING 056	46	10	0.22	Desk	Laminate	Smooth	Black	2	209	CORRIDOR		03/23/2017 10:31	Wipe
S80240.67	NY BING 067	<10	10	0.22	Table	Wood	Smooth	Brown	2	210	OFFICE		03/23/2017 10:55	Wipe
S80240.66	NY BING 066	51	10	0.22	Floor	Marble	Smooth	Multi	2	210	OFFICE		03/23/2017 10:53	Wipe
S80240.93	NY BING 093	<10	10	0.22	Desk	Wood	Smooth	Brown	2	211	VAULT	No pictures allowed	03/23/2017 12:48	Wipe
S80240.92	NY BING 092	54	10	0.22	Floor	Marble	Smooth	Multi	2	211	VAULT	No pictures allowed	03/23/2017 12:46	Wipe
S80240.91	NY BING 091	25	10	0.22	Staged Material	Cardboard	Smooth	Red	2	212	MAINTENANCE ROOM/STORAGE		03/23/2017 11:52	Wipe
S80240.90	NY BING 090	17	10	0.22	Floor	9x9 Floor Tile	Smooth	Red	2	212	MAINTENANCE ROOM/STORAGE	Asbestos tile	03/23/2017 11:50	Wipe
S80240.72	NY BING 072	991	10	0.22	Window Sill	Wood	Smooth	Black	2	213	BATHROOM		03/23/2017 11:05	Wipe
S80240.70	NY BING 070	1,270	10	0.22	Window Sill	Wood	Smooth	Black	2	213	BATHROOM		03/23/2017 11:01	Wipe
S80240.69	NY BING 069	15	10	0.22	Floor	Ceramic Tile	Smooth	Brown	2	213	BATHROOM		03/23/2017 10:59	Wipe
S80240.71	NY BING 071	23	10	0.22	Floor	Ceramic Tile	Smooth	Brown	2	213	BATHROOM		03/23/2017 11:03	Wipe
S80240.73	NY BING 073	3,220	10	0.22	Floor	Wood	Smooth	White	2	213a	PIPE CHASE	Painted	03/23/2017 11:10	Wipe
S80240.77	NY BING 077	209	10	0.22	Window Sill	Wood	Smooth	Black	2	214	OFFICE		03/23/2017 11:21	Wipe
S80240.76	NY BING 076	11	10	0.22	Floor	12x12 Floor Tile	Smooth	Grey	2	214	OFFICE		03/23/2017 11:19	Wipe
S80240.75	NY BING 075	<10	10	0.22	Bookshelf	Wood	Smooth	Brown	2	215	MAINTENANCE ROOM/STORAGE		03/23/2017 11:14	Wipe
S80240.74	NY BING 074	<10	10	0.22	Floor	Tile Carpet	Smooth	Multi	2	215	MAINTENANCE ROOM/STORAGE		03/23/2017 11:12	Wipe
S80240.78	NY BING 078	<10	10	0.22	Desk	Plastic	Smooth	Grey	2	216	OFFICE		03/23/2017 11:24	Wipe
S80240.79	NY BING 079	34	10	0.22	Floor	Marble	Smooth	Multi	2	216	OFFICE		03/23/2017 11:26	Wipe
S80243.18	NY BING 114	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	217	OFFICE		03/23/2017 13:31	Wipe
S80243.19	NY BING 115	<10	10	0.22	Desk	Wood	Smooth	Brown	2	217	OFFICE		03/23/2017 13:33	Wipe
S80240.83	NY BING 083	15	10	0.22	Bookshelf	Steel	Smooth	Grey	2	218	CONFERENCE ROOM	File cabinet	03/23/2017 11:34	Wipe
S80240.82	NY BING 082	<10	10	0.22	Floor	Marble	Smooth	Multi	2	218	CONFERENCE ROOM		03/23/2017 11:32	Wipe
S80240.96	NY BING 096	12	10	0.22	Floor	Ceramic Tile	Smooth	Brown	2	219	BATHROOM		03/23/2017 12:57	Wipe
S80240.94	NY BING 094	<10	10	0.22	Floor	Ceramic Tile	Smooth	Brown	2	219	BATHROOM		03/23/2017 12:53	Wipe
S80240.95	NY BING 095	1,080	10	0.22	Window Sill	Wood	Smooth	Black	2	219	BATHROOM		03/23/2017 12:55	Wipe
S80243.01	NY BING 097	1,050	10	0.22	Floor	Concrete	Smooth	Grey	2	219A	PIPE CHASE		03/23/2017 12:59	Wipe
S80243.02	NY BING 098	25	10	0.22	Floor	Concrete	Smooth	Grey	2	220	JANITOR CLOSET	Painted	03/23/2017 13:01	Wipe
S80243.03	NY BING 099	31	10	0.22	Shelf	Marble	Smooth	Tan	2	220	JANITOR CLOSET		03/23/2017 13:03	Wipe
S80243.17	NY BING 113	239	10	0.22	Window Sill	Wood	Smooth	Black	2	221	OFFICE	Painted	03/23/2017 13:30	Wipe
S80243.16	NY BING 112	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	221	OFFICE		03/23/2017 13:28	Wipe
S80243.07	NY BING 103	512	10	0.22	Window Sill	Wood	Smooth	Black	2	222	OFFICE	Painted	03/23/2017 13:11	Wipe
S80243.06	NY BING 102	<10	10	0.22	Floor	Tile Carpet	Smooth	Grey	2	222	OFFICE		03/23/2017 13:09	Wipe
S80243.09	NY BING 105	140	10	0.22	Window Sill	Wood	Smooth	Black	2	223	OFFICE	Painted	03/23/2017 13:17	Wipe
S80243.08	NY BING 104	<10	10	0.22	Floor	Tile Carpet	Smooth	Red	2	223	OFFICE		03/23/2017 13:15	Wipe
S80243.11	NY BING 107	270	10	0.22	Window Sill	Wood	Smooth	Black	2	224	OFFICE	Painted	03/23/2017 13:21	Wipe
S80243.10	NY BING 106	30	10	0.22	Floor	Marble	Smooth	Multi	2	224	OFFICE		03/23/2017 13:19	Wipe
S80243.12	NY BING 108	34	10	0.22	Floor	Marble	Smooth	Multi	2	225	OFFICE		03/23/2017 13:22	Wipe
S80243.13	NY BING 109	3,250	10	0.22	Window Sill	Wood	Smooth	Black	2	225	OFFICE	Painted	03/23/2017 13:24	Wipe
S80243.14	NY BING 110	<10	10	0.22	Floor	Marble	Smooth	Multi	2	226	OFFICE		03/23/2017 13:25	Wipe
S80243.15	NY BING 111	12	10	0.22	Bookshelf	Steel	Smooth	Black	2	226	OFFICE	Painted	03/23/2017 13:27	Wipe
S80240.80	NY BING 080	<10	10	0.22	Floor	Marble	Smooth	Multi	2	227	CORRIDOR		03/23/2017 11:28	Wipe
S80240.65	NY BING 065	<10	10	0.22	Floor	Marble	Smooth	Multi	2	227	CORRIDOR		03/23/2017 10:51	Wipe
S80240.49	NY BING 049	<10	10	0.22	Floor	Marble	Smooth	Multi	2	227	CORRIDOR		03/23/2017 10:16	Wipe
S80240.68	NY BING 068	146	10	0.22	Floor	Marble	Smooth	Multi	2	227	CORRIDOR		03/23/2017 10:57	Wipe
S80243.04	NY BING 100	<10	10	0.22	Floor	Marble	Smooth	Multi	2	227	CORRIDOR		03/23/2017 13:05	Wipe
S80243.20	NY BING 116	24	10	0.22	Floor	Concrete	Smooth	Grey	2	228	STAIRS	Epoxy	03/23/2017 13:35	Wipe

Lab ID	Sample ID	Lead Result (µg/ft2)	RL	MDL	Surface Type	Material	Texture	Color	Floor	Room Number	Room Type	Comments	Date/Time Collected	Matrix
S80240.58	NY BING 058	15	10	0.22	Floor	Marble	Smooth	Black	2	229	LANDING		03/23/2017 10:35	Wipe
S80240.59	NY BING 059	15	10	0.22	Floor	Concrete	Smooth	Grey	2	229	LANDING	Epoxy	03/23/2017 10:39	Wipe
FIELD BLANKS														13 records
S80243.05	NY BING 101	<10	10	0.22	Field Blank								03/23/2017 13:07	Wipe
S80240.41	NY BING 041	<10	10	0.22	Field Blank								03/23/2017 09:51	Wipe
S80240.81	NY BING 081	<10	10	0.22	Field Blank								03/23/2017 11:30	Wipe
S80240.22	NY BING 022	<10	10	0.22	Field Blank								03/23/2017 09:15	Wipe
S80240.61	NY BING 061	<10	10	0.22	Field Blank								03/23/2017 10:43	Wipe
S80243.86	NY BING 182	<10	10	0.22	Field Blank							Sampled 3/24	03/24/2017 08:58	Wipe
S80244.51	NY BING 243	<10	10	0.22	Field Blank								03/24/2017 11:43	Wipe
S80243.25	NY BING 121	<10	10	0.22	Field Blank								03/23/2017 13:55	Wipe
S80240.01	NY BING 001	<10	10	0.22	Field Blank								03/23/2017 08:22	Wipe
S80244.30	NY BING 222	<10	10	0.22	Field Blank								03/24/2017 10:40	Wipe
S80243.45	NY BING 141	<10	10	0.22	Field Blank								03/23/2017 14:41	Wipe
S80244.09	NY BING 201	<10	10	0.22	Field Blank								03/24/2017 09:40	Wipe
S80243.65	NY BING 161	<10	10	0.22	Field Blank								03/24/2017 07:37	Wipe

234 Sample Locations
13 Field Blanks

Notes:

Shading

39 Laboratory result less than 40 µg/ft2 **(118 samples)**
40 Laboratory result is between 40 µg/ft2 and 200 µg/ft2 **(58 samples)**
201 Laboratory result is 200 µg/ft2 or greater **(58 samples)**

<10 = Lead not detected above the method detection limit of 10 µg/ft2
RL = Reporting Limit
MDL = Method Detection Limit
µg/ft2 = micrograms per square foot

ATLANTIC TESTING LABORATORIES

WBE certified company

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315-699-5281 (T)
atlantictesting.com

August 16, 2017

O'Brien & Gere Engineers, Inc.
101 First Street, 4th Floor
Utica, New York 13501

Attn: Mr. Chris Dousharm
Project Manager

Re: Limited Hazardous Materials Survey
State Armory
85 West End Avenue
Binghamton, New York
ATL Report No. ST5779CE-01-08-17
OBG No. 65924 / OGS No. 45606-C

Ladies/Gentlemen:

Enclosed is a copy of the Limited Hazardous Materials Survey report prepared for the referenced site. This project was completed in accordance with the scope of work outlined in our contract (ATL No. ST5998-058XX-01-17 Addendum 2X), dated July 18, 2017, and authorized via O'Brien & Gere Engineers, Inc. (OBG) Purchase Order No. 11700664 dated August 2, 2017.

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Andrew S. Amell
Project Manager

ASA/SMM/ja

Enclosures

cc: Ms. Jennifer Reymond, Senior Project Engineer, OBG

LIMITED HAZARDOUS MATERIALS SURVEY

STATE ARMORY
85 WEST END AVENUE
BINGHAMTON, NEW YORK

WBE certified company

PREPARED BY:

Atlantic Testing Laboratories, Limited
6085 Court Street Road, Suite A
Syracuse, New York 13206

PREPARED FOR:

O'Brien & Gere Engineers, Inc.
101 First Street, 4th Floor
Utica, New York 13501

ATL REPORT NO. ST5779CE-01-08-17
OBG. No. 65924 / OGS No. 45606-C

August 16, 2017

TABLE OF CONTENTS

APPENDICES

1.0 INTRODUCTION

1.1 Purpose

Atlantic Testing Laboratories, Limited (ATL) was retained by O'Brien & Gere Engineers, Inc. (OBG), to perform a limited hazardous materials survey of designated areas within the Binghamton Armory as directed by drawings provided by OBG. The limited survey was performed on August 3, 4, and 7, 2017. The purpose of the limited hazardous materials survey was to identify asbestos-containing materials (ACM), lead-based paint (LBP), and polychlorinated biphenyls (PCB)-containing caulk/sealant that are present on exposed surfaces within the subject areas, and may have a significant impact or be impacted by the planned lead dust mitigation activities. The limited hazardous materials survey procedures and report format that follow are in general compliance with applicable local, state, and federal rules and regulations.

1.2 Project Team and Certifications

Members of the ATL project team included Andrew S. Amell, Project Manager; Justin L. O'Brien, Environmental Specialist; and Robert B. Read, Environmental Scientist. Certifications of ATL's field survey team members and a copy of applicable company licenses maintained by ATL are included in Appendix A.

2.0 SCOPE OF WORK

2.1 Project Description

The project site is located at 85 West End Avenue, Binghamton, Broome County, New York.

The intent of the limited hazardous materials survey was to identify suspect ACM, LBP, and PCB-containing caulk/sealants that are located within designated areas of the subject facility and may be impacted during a proposed lead dust mitigation project.

The limited hazardous materials survey was conducted for the subject areas, as directed by representatives of OBG. The subject areas were occupied and operational at the time of the sampling event.

2.2 Inaccessible Areas

The extent of inaccessible areas is dependent upon the building type, construction materials, history of renovations and repairs, and project scope. Concealed materials may exist in areas that are not readily exposed to view. Although this limited hazardous materials survey was performed to identify ACM, LBP, and PCB-containing caulk/sealants within the subject areas, potential ACM, LBP, and/or PCB-containing caulk/sealants may have escaped detection that could be encountered during future building demolition and/or renovation activities. Wall, ceiling, floor, roofing, and/or other component systems may contain concealed suspect ACM, LBP, and/or PCB-containing caulk/sealants. During the survey event, ATL was not provided access to Room Nos. B14, B16, B28, B29, B30, B41, B42, and B43. These rooms are scheduled to be impacted by the lead mitigation activities. If any suspect ACM, LBP, and/or PCB-containing caulk/sealants are encountered during demolition and/or renovation activities, the activities disturbing the suspect ACM, LBP, and/or PCB-containing caulk/sealants must stop

and the material must be sampled and laboratory analyzed in accordance with applicable regulations.

2.3 Document Review

Documents that were provided to ATL for review during the limited hazardous materials survey included:

- Provide Lead Remediation, Construction Work – Lead Dust Mitigation (OBG Drawing Nos. G-1, G-2, G-3, G-4, G-5, H-101, H-102, H-103, H-104, H-105, H-106, and H-107), dated July 18, 2017

2.4 Limitations

This report has been prepared in accordance with the scope of work outlined in ATL's contract (ATL No. ATL No. ST5998-058XX-01-17 Addendum 2X), dated July 18, 2017 and authorized via OBG Purchase Order No. 11700664, dated August 2, 2017 and should not be used as abatement specifications or design documents. The findings, conclusions, and recommendations presented in this report are based on the field observations made by representatives of ATL and the information provided by representatives of OBG.

Quantities and locations of sampled materials are approximate, and should be verified by the abatement contractor(s) prior to providing actual cost quotations and/or initiating abatement activities. Variations in reported quantities and locations for sampled materials, in addition to the discovery of suspect materials not identified in this report, is possible due to the presence of inaccessible areas, as described in Section 2.2 of this report.

The findings and opinions are relevant to the dates of our site work and should not be relied on to represent conditions at substantially later dates.

3.0 ASBESTOS

3.1 Methodology

A visual examination of the subject areas was conducted by an Asbestos Building Inspector to identify suspect ACM. Functional spaces were identified to assist while locating suspect ACM. A functional space is defined as a spatially distinct area within a building that contains identifiable populations of building occupants. A functional space may include a room, a group of rooms, or other defined area, and several functional spaces may comprise a single homogeneous sampling area. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance. Each identified functional space was visually examined to determine the locations of suspect ACM. These materials were then delineated into homogeneous sampling areas.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed and the suspect ACM samples were submitted to AmeriSci New York (AmeriSci), located in New York, New York. The samples were laboratory analyzed by polarized light microscopy (PLM) and transmission electron microscopy (TEM) methodologies, as applicable. AmeriSci is a New York State Department of Health (NYSDOH) certified laboratory for PLM and TEM analysis under Environmental Laboratory Approval Program (ELAP) No. 11480. AmeriSci is also accredited by

the National Institute of Standards and Technology (NIST), under the National Voluntary Laboratory Accreditation Program (NVLAP).

3.2 Regulatory Compliance

In New York State, there are multiple regulatory agencies that have jurisdiction over ACM in buildings. Asbestos survey requirements are primarily regulated or specified by the New York State Department of Labor (NYSDOL), the New York State Department of Health (NYSDOH), the Occupational Safety and Health Administration (OSHA), and the United States Environmental Protection Agency (EPA).

The NYSDOL established Part 56 of The Official Compilation of Codes, Rules, and Regulations (cited as 12 NYCRR, Part 56) to address the proper identification, handling, removal, and disposal of ACM in buildings. Asbestos survey requirements are specified in Subpart 56-5.1 "Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling and Repair." The NYSDOL also works in conjunction with the NYSDOH to establish and maintain asbestos safety training program requirements, and enforce personnel certifications and licensing protocol for asbestos contractors.

The OSHA defines requirements for asbestos surveys and identification of ACM and presumed asbestos-containing materials (PACM) in 29 CFR 1926.1101 (k) "Communication of Hazards." Under this regulation, OSHA makes reference to conducting inspections according to 1926.1101 (k)(5)(ii)(B) and 1926.1101 (k)(5)(iii) or pursuant to the requirements of the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR Part 763, Subpart E "Asbestos-Containing Materials in Schools." The AHERA is regulated by the EPA, and applies to primary and secondary schools only; however, the procedures mandated under AHERA are generally considered the industry standards for surveys, as these are typically the most stringent.

3.3 Summary of Findings

A total of 41 homogeneous areas of suspect ACM were identified during the visual examination, from which 97 bulk samples were collected and subsequently submitted to a NYSDOH approved laboratory for analysis. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix B. A copy of laboratory reports and sample custody documentation are contained in Appendix C. Table D-I contained in Appendix D, provides a summary of the identified suspect ACM and associated analytical results.

The EPA, NYSDOL, and other regulatory agencies define ACM as any material containing greater than 1% of asbestos. Materials listed in bold font in Table D-I of Appendix D were determined or assumed to be ACM

Materials containing trace asbestos (i.e., less than 1%) are not considered ACM; however, the OSHA recognizes materials that contain trace amounts of asbestos, and requires these materials be handled in accordance with their standard interpretation letter titled "Requirements for demolition operations involving material containing <1% asbestos ", dated August 13, 1999. As shown in Table D-I of Appendix D, 3 materials were determined to contain trace amounts of asbestos.

4.0 LEAD-BASED PAINT

4.1 Methodology

A visual examination of the subject building was conducted by a Lead Inspector to identify visible and accessible painted surfaces. The painted surfaces were categorized into homogeneous areas from which tests could be conducted. Each homogeneous area was tested using a Heuresis Pb200i X-Ray Fluorescence (XRF) Analyzer. This equipment provides instantaneous measurements for lead concentration in mg/cm^2, and displays readings that are positive or negative indications for LBP. Calibration checks for the XRF equipment were performed in accordance with the manufacturer's recommendations.

4.2 Regulatory Compliance

Although New York State has established Title X, Part 67 of The Official Compilation of Codes, Rules, and Regulations (cited as NYCRR Title X, Part 67) for "Lead Poisoning Prevention and Control," LBP inspections and risk assessments are generally subject to the requirements of federal regulations. The United States Department of Housing and Urban Development (HUD), EPA, and OSHA are the primary federal regulatory agencies responsible for the establishment and enforcement of such regulations. On a state level, the NYSDOH does require laboratories to be certified to perform lead analysis under the ELAP.

The HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing" include details pertaining to sampling and analysis of suspect LBP, in addition to the identification and control of LBP hazards. The HUD guidelines pertain to federally owned or assisted housing; however, these are commonly referenced and made mandatory by other regulatory agencies. The EPA requirements for LBP activities, specified in 40 CFR Part 745, apply to targeted housing and child-occupied facilities, and are similar to HUD guideline requirements.

The OSHA Construction Standard for Lead (29 CFR 1926.62) applies to employees of an employer who may or will be exposed to occupational levels of lead. OSHA requires employees to maintain, at a minimum, awareness, respiratory protection, and hazard communication training.

4.3 Summary of Findings

A total of 137 locations were tested using the XRF spectrometer. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix B. A summary of the XRF results and calibration checks are provided in Appendix E. The XRF results provided in Table E-I of Appendix E represent painted surfaces that were determined to be LBP, per HUD criteria. Table E-II of Appendix E identifies painted surfaces that contain detectable concentrations of lead, but are not considered LBP, as compared to HUD criteria. Painted surfaces that did not contain lead at a concentration above the method detection limits are summarized in Table E-III of Appendix E. Calibration checks for the XRF spectrometer are provided in Table E-IV of Appendix E.

HUD identifies LBP as "any paint, varnish, stain, or other applied coating that has 1 mg/cm^2 (or 5,000 mg/kg or 0.5% by weight) or more of lead" (HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing).

5.0 POLYCHLORINATED BIPHENYLS

5.1 Methodology

A visual examination of the subject areas was conducted by an Environmental Scientist to identify suspect PCB-containing caulk/sealants. The identified materials were classified into homogeneous sampling areas. A homogeneous sampling area is defined as an area that is uniform by color, texture, construction/application, and general appearance.

Samples of each accessible homogeneous area were collected and placed in clean, labeled containers. The appropriate custody documentation was completed and the suspect PCB-containing caulk samples were submitted to SGS Accutest, located in Dayton, New Jersey, a New York State Department of Health (NYSDOH) approved laboratory (ELAP No. 10983). The samples were laboratory analyzed for PCB, in accordance with EPA Method 8082.

5.2 Regulatory Compliance

PCB are primarily regulated by the EPA. The EPA has issued several documents and enforces federal mandated laws and regulations governing the usage, management, and disposal of PCB-containing materials. State and local regulatory agencies have also enacted laws and regulations concerning PCB materials, many of which are consistent with the regulations set forth by the EPA. In accordance with the regulations and guidelines presented in 40 CFR Parts 750 and 761 “Disposal of Polychlorinated Biphenyls; Final Rule,” PCB wastes are generally regulated for disposal under the Toxic Substances Control Act (TSCA) if the concentrations are 50 ppm or greater. Per New York State Department of Environmental Conservation (NYSDEC) regulations, material containing greater than 50 ppm is regulated hazardous waste.

5.3 Summary of Findings

A total of 3 homogeneous suspect PCB-containing caulk/sealant materials were identified during the visual examination, from which 3 bulk samples were collected and subsequently submitted to a NYSDOH approved laboratory for analysis. Approximate sample locations are depicted on the Sample Location Plans, contained in Appendix B. A copy of laboratory reports and associated sample custody documentation are contained in Appendix C. Table D-II, of Appendix D, provides a summary of the identified suspect PCB-containing caulk/sealant and associated analytical results.

PCB-containing caulk/sealant are regulated under the TSCA as an “unauthorized use,” and is considered a regulated hazardous material at concentrations equal to or greater than 50 ppm. The samples collected did not contain detectable levels of PCB.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are prepared from ATL’s understanding that the subject building may be subject to a lead dust mitigation project. Should the management of the building areas change, it is recommended that the findings be revisited to reflect appropriate operations and management practices for hazardous materials containing items.

6.1 General

1. Concealed regulated hazardous materials may exist at the site that could be encountered during future lead dust mitigation activities. Wall, ceiling, floor, roofing, and/or other

component systems may contain concealed suspect hazardous materials. If any suspect hazardous materials or hazardous materials-containing items are encountered during lead dust mitigation activities, the activities disturbing the suspect material must stop and the material must be sampled and laboratory analyzed or otherwise managed pursuant to in accordance with applicable regulations.

6.2 Asbestos-Containing Materials

1. The materials listed in bold in Table D-I of Appendix D were determined to be ACM. The referenced table also shows materials that contain trace concentrations of asbestos and are regulated under OSHA.

2. Subpart 56-5(h) of 12 NYCRR Part 56 requires that no demolition, renovation, remodeling, or repair work be commenced by any owner or the owner's agent prior to the completion of asbestos abatement. Asbestos abatement must be performed by an asbestos abatement contractor that maintains a current asbestos handling license, and employs NYSDOL certified asbestos handlers and supervisors. It is recommended that a 12 NYCRR 56 certified Project Monitor oversee abatement activities.

3. Subpart 56-5(g) of 12 NYCRR Part 56 specifies requirements for transmittal of asbestos survey information by the owner or owner's agent. One copy of the asbestos survey report shall be sent to the local government entity charged with issuing a permit for such demolition, renovation, remodeling, or repair work under applicable State or local laws. If controlled demolition or pre-demolition activities will be performed, one copy of the asbestos survey report shall be submitted to the appropriate Asbestos Control Bureau district office. One copy of the asbestos survey report must be kept on the construction site throughout the duration of the asbestos project and any associated demolition, renovation, remodeling, or repair project.

6.3 Lead-Based Paint

1. The materials listed in Table E-I of Appendix E were determined to be LBP per HUD criteria. Table E-II of Appendix E lists materials that are not considered LBP per HUD criteria, but contain detectable concentrations of lead and are regulated under OSHA.

2. Identified LBP or paint with a detectable concentration of lead should be managed in accordance with applicable EPA and OSHA requirements prior to or during demolition, renovation, remodeling, or repair work.

3. Demolition/renovation contractors are required to conduct exposure monitoring or use historical objective data to ensure that employee exposures do not exceed the action level of 30 $\mu g/m^3$.

6.4 PCB-Containing Materials

1. None of the caulk materials sampled contained PCB concentrations exceeding 50 ppm, and are therefore not considered hazardous materials/hazardous waste.

APPENDIX A

LICENSES AND CERTIFICATIONS

Asbestos Certificate Code Classifications

The following letter codes shown on the enclosed asbestos certificates represent the corresponding asbestos classifications:

A - Asbestos Handler
B - Allied Trades
C - Air Sampling Technician
D - Building Inspector
E - Management Planner
F - Operations & Maintenance
G - Asbestos Supervisor
H - Asbestos Project Monitor
I - Asbestos Project Designer

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AmeriSci New York
DBA: AmeriSci New York
117 E. 30th Street
New York, NY 10016
Mr. Paul Mucha
Phone: 212-679-8600 Fax: 212-679-2711
Email: pmucha@amerisci.com
http://www.amerisci.com

ASBESTOS FIBER ANALYSIS — NVLAP LAB CODE 200546-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- Appendix E to Subpart E of Part 763 -- Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200546-0

AmeriSci New York

New York, NY

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

Asbestos Fiber Analysis

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

2017-07-01 through 2018-06-30

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PAUL J. MUCHA
AMERICA SCIENCE TEAM NEW YORK INC
117 EAST 30TH ST
NEW YORK, NY 10016

NY Lab Id No: 11480

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
	EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual

Serial No.: 56034

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

NY Lab Id No: 10983

MS. NANCY COLE
SGS ACCUTEST-DAYTON
2235 ROUTE 130
DAYTON, NJ 08810

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Nutrient	
Phosphorus, Total	EPA 365.3 Rev. 1978
Organophosphate Pesticides	
Atrazine	EPA 8270D
Dimethoate	EPA 8270D
Disulfoton	EPA 8270D
Famphur	EPA 8270D
Parathion ethyl	EPA 8270D
Parathion methyl	EPA 8270D
Phorate	EPA 8270D
Thionazin	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015C
Gasoline Range Organics	EPA 8015C
Phthalate Esters	
Benzyl butyl phthalate	EPA 625
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270D
Phthalate Esters	
Di-n-octyl phthalate	EPA 625
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082A
	EPA 608
PCB-1221	EPA 8082A
	EPA 608
PCB-1232	EPA 8082A
	EPA 608
PCB-1242	EPA 8082A
	EPA 608
PCB-1248	EPA 8082A
	EPA 608
PCB-1254	EPA 8082A
	EPA 608
PCB-1260	EPA 8082A
	EPA 608
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
Polynuclear Aromatics	
2-Acetylaminofluorene	EPA 8270D
3-Methylcholanthrene	EPA 8270D
7,12-Dimethylbenzyl (a) anthracene	EPA 8270D
Acenaphthene	EPA 625
	EPA 8270D

Serial No.: 55868

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

New York State – Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Atlantic Testing Laboratories, Limited

P.O. Box 29

Canton, NY 13617

FILE NUMBER: 99-0911
LICENSE NUMBER: 29276
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 09/29/2016
EXPIRATION DATE: 10/31/2017

Duly Authorized Representative – Marijean B Remington:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director
For the Commissioner of Labor

SH 432 (8/12)

United States Environmental Protection Agency

This is to certify that

Atlantic Testing Laboratories, Limited

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires April 21, 2019

LBP-8962-1

Certification #

April 07, 2016

Issued On

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANDREW S AMELL
CLASS(EXPIRES)
C ATEC(04/18) D INSP(04/18)
E MGPL(04/18) H PM (04/18)
I PD (04/18)

CERT# 07-00754
DMV# 336294367

MUST BE CARRIED ON ASBESTOS PROJECTS

01213 004251377 55

EYES BLU
HAIR BRO
HGT 5' 11"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 774812

I – To be completed by Trainee

Name of Trainee (print): Andrew Amell	NYS Depart. of Motor Vehicles ID (DMV ID)[1]: 336 294 367
Signature of Trainee: [signature]	Telephone Number: 315-699-5281 / Date of Birth[1]: 04/01/1977

Address: 6085 Court St. Rd, Syracuse, New York 13206

(Street or PO Box) (City) (State) (Zip Code)

II – To be completed by Training Sponsor

Provider's Name: [illegible]	Telephone Number: [illegible]9435
Address: PO Box 38 [illegible] Chittenango NY	Course Location: Chittenango
Zip Code: 13037	

Course Title: Building Inspector ☐ Initial ☑ Refresher ☐ *NYS DOH use only* DOH Equivalency[2]

Training Language: ☑ English ☐ Other: ______ Exam Grade/Date: 100% 1/30/17

Dates of Training: From: 1/30/17 To: 1/30/17 Expires: 1/30/18

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: [illegible] (Print) [signature] (Signature)

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only STUDENT

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

N.Y.S

ROBERT B READ JR.
CLASS(EXPIRES)
C ATEC(08/18) D INSP(08/18)
H PM (08/18)

CERT# 06-07811
DMV# 780309197

MUST BE CARRIED ON ASBESTOS PROJECTS

01213 004330200 94

EYES BRO
HAIR BRO
HGT 5' 09"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 779856

I – To be completed by Trainee		
Name of Trainee (print): Robert Read	NYS Depart. of Motor Vehicles ID (DMV ID)[1]: 780 309 197	
Signature of Trainee: [signature]	Telephone Number: 315-807-8143	Date of Birth[1]: 8/4/1986
Address: 204 Avon Street (Street or PO Box)	East Syracuse (City)	NY (State) 13057 (Zip Code)

II – To be completed by Training Sponsor	
Provider's Name: ECMC	Telephone Number: 315 687 9435
Address: PO Box 560 Chittenango NY Zip Code: 13037	Course Location: Chittenango

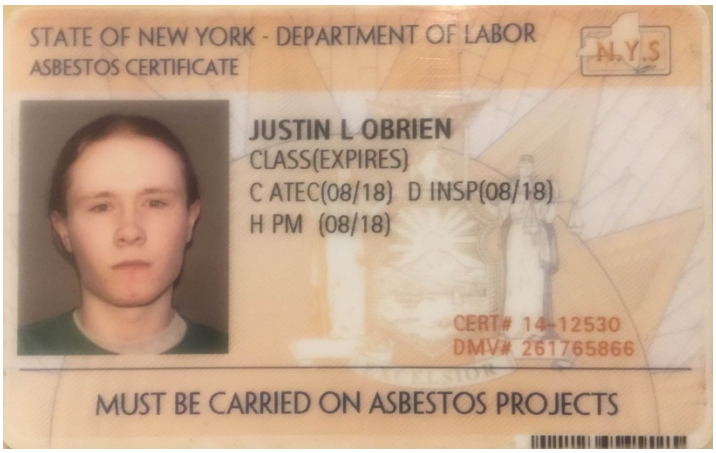
Course Title: Building Inspector ☐ Initial ☑ Refresher | *NYS DOH use only* ☐ DOH Equivalency[2]

Training Language: ☑ English ☐ Other: ____________ Exam Grade/Date: 96 · 3/13/17

Dates of Training: From: 3/13/17 To: 3/13/17 Expires: 3/13/18

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: Charles Virch [signature]


STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE
N.Y.S
JUSTIN L OBRIEN
CLASS(EXPIRES)
C ATEC(08/18) D INSP(08/18)
H PM (08/18)
CERT# 14-12530
DMV# 261765866
MUST BE CARRIED ON ASBESTOS PROJECTS

New York State Department of Health Certificate of Asbestos Safety Training

This form is the official record of successful completion of a New York State accredited asbestos safety training course.

Certificate No. 773171

I – To be completed by Trainee

Name of Trainee (print)	NYS Depart. of Motor Vehicles ID (DMV ID)[1]	
Justin L. O'Brien	261 765 866	
Signature of Trainee	Telephone Number	Date of Birth[1]
	607-743-1412	8/2/1988

Address: 6 Chenango Lane (Street or PO Box) BINGHAMTON (City) NY (State) 13901 (Zip Code)

II – To be completed by Training Sponsor

Provider's Name	Telephone Number
Pathway Environmental Consulting, LLC	315-735-1916
Address: 291 Genesee St., Utica, NY Zip Code 13501	Course Location: 291 Genesee St., Utica, NY

Course Title: Inspector ☐ Initial ☒ Refresher | *NYS DOH use only* ☐ DOH Equivalency[2]

Training Language: ☒ English ☐ Other: _____ Exam Grade/Date: 100 / 2-3-2017

Dates of Training: From: 2/03/17 To: 2/03/17 Expires: 2/03/2018

I certify that the asbestos safety training course given on the above date complied with both 10 NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the trainee receiving this certificate completed the training course and successfully passed the examination.

Training Director[2]: MARK RUHNKE (Print) _____ (Signature) SPONSOR

DOH-2832 (10/03) [1]Optional Information [2]DOH Equivalency signed by NYS DOH representative only

United States Environmental Protection Agency

This is to certify that

Andrew S Amell

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires November 14, 2020

LBP-R-72973-1

Certification #

May 26, 2017

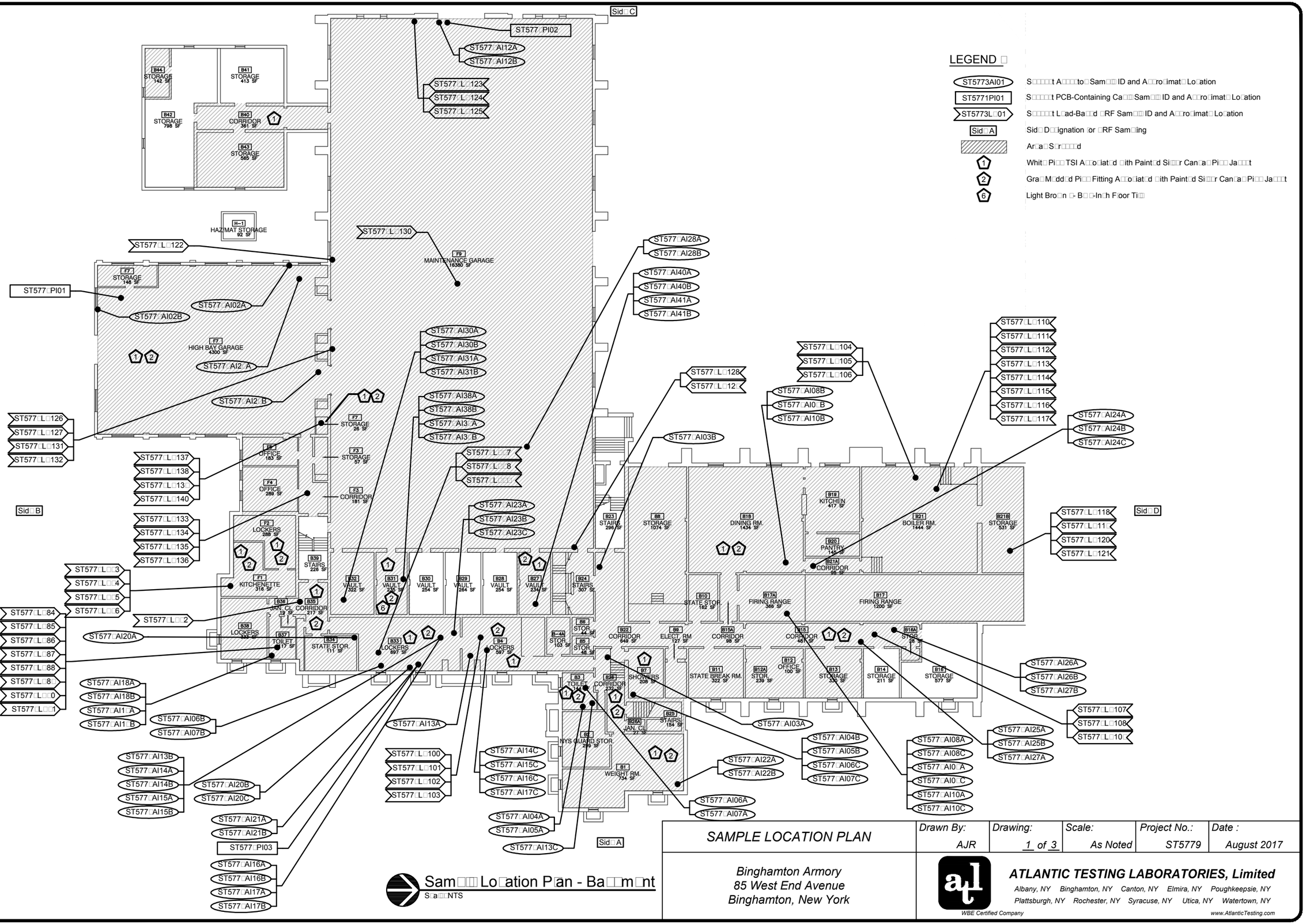
Issued On

John Gorman, Chief

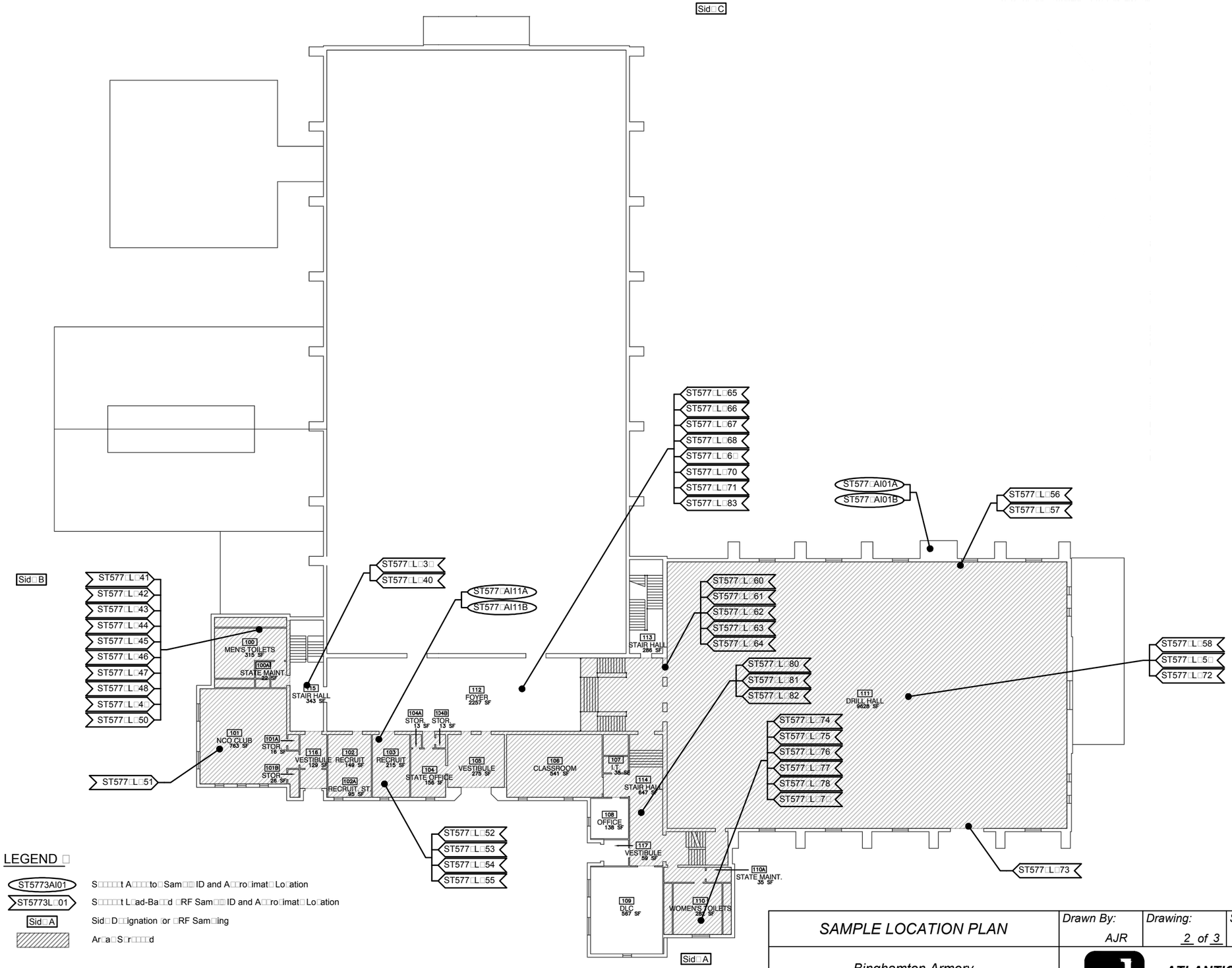
Pesticides & Toxic Substances Branch

APPENDIX B

SAMPLE LOCATION PLANS



SAMPLE LOCATION PLAN	Drawn By: AJR	Drawing: 1 of 3	Scale: As Noted	Project No.: ST5779	Date : August 2017
Binghamton Armory 85 West End Avenue Binghamton, New York	ATLANTIC TESTING LABORATORIES, Limited Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY WBE Certified Company www.AtlanticTesting.com				



LEGEND □

ST5773AI01	S□□□□t A□□□to□Sam□□ ID and A□□ro□imat□Lo□ation
ST5773L□01	S□□□□t L□ad-Ba□□d □RF Sam□□ ID and A□□ro□imat□Lo□ation
Sid□A	Sid□D□ignation □or □RF Sam□ling
	Ar□a□S□r□□□d

Sam□□□ Lo□ation P□an - Fir□t F□oor

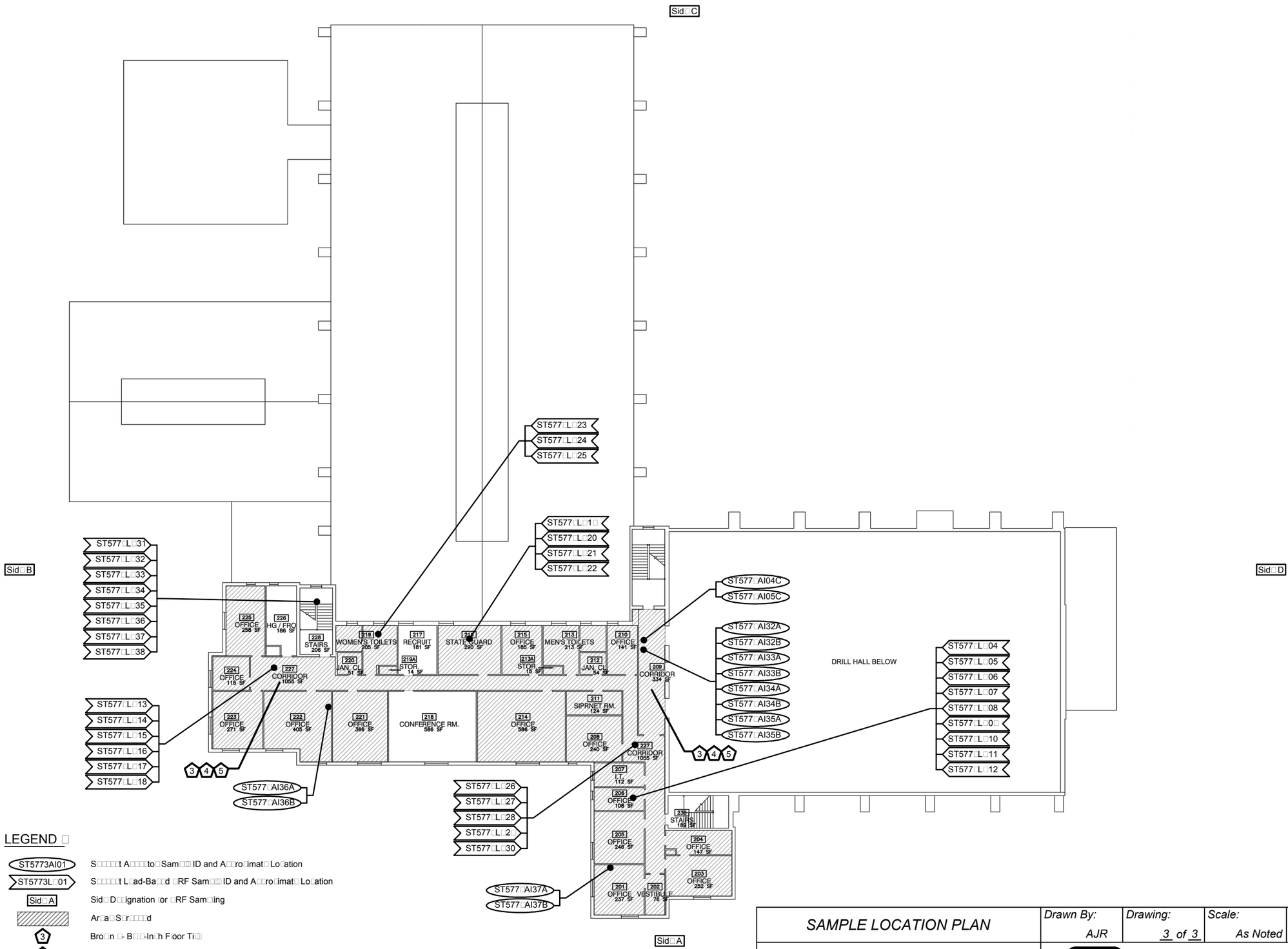
S□a□□ NTS

SAMPLE LOCATION PLAN

Drawn By:	Drawing:	Scale:	Project No.:	Date :
AJR	2 of 3	As Noted	ST5779	August 2017

Binghamton Armory
85 West End Avenue
Binghamton, New York

ATLANTIC TESTING LABORATORIES, Limited
Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY
Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY
WBE Certified Company
www.AtlanticTesting.com



LEGEND □

ST5773AI01	S□□□□t A□□□to□Sam□□ ID and A□□ro□imat□ Lo□ation
ST5773L□01	S□□□□t L□ad-Ba□□d □RF Sam□□ ID and A□□ro□imat□ Lo□ation
Sid□A	Sid□ D□□ignation □or □RF Sam□ling
	Ar□a□S□r□□□d
3	Bro□n □- B□□-In□h F□oor Ti□
4	Dar□Bro□n Mar□□d □- B□□-In□h F□oor Ti□
5	Dar□Bro□n Mar□□d □- B□24-In□h F□oor Ti□

Sam□□ Lo□ation P□n - S□□ond F□oor

S□a□ NTS

SAMPLE LOCATION PLAN	Drawn By:	Drawing:	Scale:	Project No.:	Date :
	AJR	3 of 3	As Noted	ST5779	August 2017

Binghamton Armory
85 West End Avenue
Binghamton, New York

ATLANTIC TESTING LABORATORIES, Limited
Albany, NY Binghamton, NY Canton, NY Elmira, NY Poughkeepsie, NY
Plattsburgh, NY Rochester, NY Syracuse, NY Utica, NY Watertown, NY
WBE Certified Company
www.AtlanticTesting.com

APPENDIX C

LABORATORY REPORTS AND CUSTODY DOCUMENTATION

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Atlantic Testing Laboratories, Limited
Attn: Andrew Amell
P.O. Box 29

Canton, NY 13617

Date Received 08/10/17 **AmeriSci Job #** 217082617
Date Examined 08/10/17 **P.O. #** COC#:18501 - 18508
ELAP # 11480 **Page** 1 **of** 17
RE: ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI01A 01	217082617-01 **Location:** 111 - Black Window Sill	*No*	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI01B 01	217082617-02 **Location:** 111 - Black Window Sill	*No*	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI02A 02	217082617-03 **Location:** F7 - Black Window Perimeter Caulk	*No*	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 26.4 %			
ST5779AI02B 02	217082617-04 **Location:** F7 - Black Window Perimeter Caulk	*No*	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 23.3 %			
ST5779AI03A 03	217082617-05 **Location:** B26 - Gray Brick Mortar	*No*	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI03B 03	217082617-06 **Location:** B22 - Gray Brick Mortar	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI04A 04	217082617-07 **Location:** B3 - Gray Wall Plaster / Base Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI04B 04	217082617-08 **Location:** B7 - Gray Wall Plaster / Base Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI04C 04	217082617-09 **Location:** 209 - Gray Wall Plaster / Base Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI05A 05	217082617-10 **Location:** B3 - White Wall Plaster / Skim Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI05B 05	217082617-11 **Location:** B7 - White Wall Plaster / Skim Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI05C 05	217082617-12 **Location:** 209 - White Wall Plaster / Skim Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI06A 06	217082617-13 **Location:** B3 - Gray Ceiling Plaster / Base Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI06B 06	217082617-14 **Location:** B33 - Gray Ceiling Plaster / Base Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI06C 06	217082617-15 **Location:** B7 - Gray Ceiling Plaster / Base Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI07A 07	217082617-16 **Location:** B3 - White Ceiling Plaster / Skim Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI07B 07	217082617-17 **Location:** B33 - White Ceiling Plaster / Skim Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI07C 07	217082617-18 **Location:** B7 - White Ceiling Plaster / Skim Coat	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI08A 08	217082617-19 **Location:** B17A - White Gypsum Ceiling Board	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
ST5779AI08B 08	217082617-20 **Location:** B17A - White Gypsum Ceiling Board	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
ST5779AI08C 08	217082617-21 **Location:** B17A - White Gypsum Ceiling Board	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI09A 09	217082617-22 **Location:** B17A - White Joint Compound Assoc. W/ 08	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI09B 09	217082617-23 **Location:** B17A - White Joint Compound Assoc. W/ 08	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI09C 09	217082617-24 **Location:** B17A - White Joint Compound Assoc. W/ 08	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI10A 10	217082617-25 **Location:** B17A - White Seam Tape Assoc. W/ 08	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI10B 10	217082617-26 **Location:** B17 - White Seam Tape Assoc. W/ 08	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI10C 10	217082617-27 **Location:** B17A - White Seam Tape Assoc. W/ 08	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI11A 11	217082617-28 **Location:** 103 - Carpet Adhesive	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.1 %			
ST5779AI11B 11	217082617-29 **Location:** 103 - Carpet Adhesive	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI12A 12	217082617-30 **Location:** F9 - Gray Floor Expansion Caulk	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 12.9 %			
ST5779AI12B 12	217082617-31 **Location:** F9 - Gray Floor Expansion Caulk	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 23.8 %			
ST5779AI13A 13	217082617-32 **Location:** B4 - Tan Canvas Jacket Assoc. W/ Yellow FG	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI13B 13	217082617-33 **Location:** B33 - Tan Canvas Jacket Assoc. W/ Yellow FG	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI13C 13	217082617-34 **Location:** B3 - Tan Canvas Jacket Assoc. W/ Yellow FG	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI14A 14	217082617-35 **Location:** B33 - Tan Canvas Jacket Assoc. W/ White TSI	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90 %, Non-fibrous 10 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI14B 14	217082617-36 **Location:** B33 - Tan Canvas Jacket Assoc. W/ White TSI	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90 %, Non-fibrous 10 %			
ST5779AI14C 14	217082617-37 **Location:** B4 - Tan Canvas Jacket Assoc. W/ White TSI	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90 %, Non-fibrous 10 %			
ST5779AI215A 15	217082617-38 **Location:** B33 - White TSI	***Yes***	30.8 % (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 30.8 % **Other Material:** Non-fibrous 69.2 %			
ST5779AI15B 15	217082617-39 **Location:** B33 - White TSI		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI15C 15	217082617-40 **Location:** B4 - White TSI		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI16A 16	217082617-41 **Location:** B33 - Gray Mudded Pipe Fitting	***Yes***	40 % (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 40.0 % **Other Material:** Non-fibrous 60 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI16B 16	217082617-42 **Location:** B33 - Gray Mudded Pipe Fitting		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI16C 16	217082617-43 **Location:** B4 - Gray Mudded Pipe Fitting		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI17A 17	217082617-44 **Location:** B33 - Tan Canvas Jacket Assoc. W/ 16	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI17B 17	217082617-45 **Location:** B33 - Tan Canvas Jacket Assoc. W/ 16	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI17C 17	217082617-46 **Location:** B4 - Tan Canvas Jacket Assoc. W/ 16	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
ST5779AI18A 18	217082617-47 **Location:** B37 - Gray Grout Assoc. W/ CFT	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI18B 18	217082617-48 **Location:** B37 - Gray Grout Assoc. W/ CFT	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI19A 19	217082617-49 **Location:** B37 - Gray Thinset Assoc. W/ CFT	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI19B 19	217082617-50 **Location:** B37 - Gray Thinset Assoc. W/ CFT	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI20A 20	217082617-51 **Location:** B33 - Silver Paint On Ceiling Deck	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Silver, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 46.5 %			
ST5779AI20B 20	217082617-52 **Location:** B33 - Silver Paint On Ceiling Deck	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Silver, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 40.7 %			
ST5779AI20C 20	217082617-53 **Location:** B33 - Silver Paint On Ceiling Deck	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Silver, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 58.6 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI21A 21	217082617-54 **Location:** B33 - Off-White Penetration Caulk "Material Submitted Is Friable"	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI21B 21	217082617-55 **Location:** B33 - Off-White Penetration Caulk "Material Submitted Is Friable"	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
ST5779AI22A 22	217082617-56 **Location:** B1 - Carpet Adhesive	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 41.9 %			
ST5779AI22B 22	217082617-57 **Location:** B1 - Carpet Adhesive	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.8 %			
ST5779AI23A 23	217082617-58 **Location:** B4 - Silver Conduit Paint	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Silver, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.7 %			
ST5779AI23B 23	217082617-59 **Location:** B33 - Silver Conduit Paint "Insufficient Material Submitted For Preparation"		NA
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI24A 24	217082617-60 **Location:** B21A - White Paper TSI Jacket Assoc. W/ Yellow FG	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Silver/White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
ST5779AI24B 24	217082617-61 **Location:** B21A - White Paper TSI Jacket Assoc. W/ Yellow FG	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Silver/White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
ST5779AI24C 24	217082617-62 **Location:** B21A - White Paper TSI Jacket Assoc. W/ Yellow FG	***No***	NAD (by NYS ELAP 198.1) by John P. Koubiadis on 08/10/17
Analyst Description: Silver/White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 60 %, Fibrous glass 10 %, Non-fibrous 30 %			
ST5779AI25A 25	217082617-63 **Location:** B15 - Gray 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.1 %			
ST5779AI25B 25	217082617-64 **Location:** B15 - Gray 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.3 %			
ST5779AI26A 26	217082617-65 **Location:** B15 - Green 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.7 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI26B 26	217082617-66 **Location:** B15 - Green 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.1 %			
ST5779AI27A 27	217082617-67 **Location:** B15 - Black Mastic Assoc. W/ 25 & 26	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.7 %			
ST5779AI27B 27	217082617-68 **Location:** B15 - Black Mastic Assoc. W/ 25 & 26	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.6 %			
ST5779AI28A 28	217082617-69 **Location:** F9 - Off-White Floor Repair Patch	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.7 %			
ST5779AI28B 28	217082617-70 **Location:** F9 - Off-White Floor Repair Patch	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.1 %			
ST5779AI29A 29	217082617-71 **Location:** F7 - Gray Floor Epoxy	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 44.4 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI29B 29	217082617-72 **Location:** F7 - Gray Floor Epoxy	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 25.1 %			
ST5779AI30A 30	217082617-73 **Location:** B32 - Black 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.7 %			
ST5779AI30B 30	217082617-74 **Location:** B32 - Black 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.2 %			
ST5779AI31A 31	217082617-75 **Location:** B32 - Tan Mastic Assoc. W/ 30	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8 %			
ST5779AI31B 31	217082617-76 **Location:** B32 - Tan Mastic Assoc. W/ 30	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 11.3 %			
ST5779AI32A 32	217082617-77 **Location:** 209 - Brown 9 x 9 Floor Tile	***Yes***	7.2 % (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 7.2 % **Other Material:** Non-fibrous 32.4 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI32B	217082617-78		NA/PS
32	**Location:** 209 - Brown 9 x 9 Floor Tile		
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI23C	217082617-79		NA
23	**Location:** B4 - Silver Conduit Paint "Insufficient Material Submitted For Preparation"		
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI33A	217082617-80	***Yes***	11.5 % (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
33	**Location:** 209 - Dark Brown 9 x 9 Floor Tile		
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 11.5 % **Other Material:** Non-fibrous 28.8 %			
ST5779AI33B	217082617-81		NA/PS
33	**Location:** 209 - Dark Brown 9 x 9 Floor Tile		
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI34A	217082617-82	***Yes***	10.2 % (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
34	**Location:** 209 - Dark Brown 9 x 24 Floor Tile		
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 10.2 % **Other Material:** Non-fibrous 30.4 %			
ST5779AI34B	217082617-83		NA/PS
34	**Location:** 209 - Dark Brown 9 x 24 Floor Tile		
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI35A 35	217082617-84 **Location:** 209 - Brown Mastic Assoc. W/ 32, 33 & 34	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.3 %			
ST5779AI35B 35	217082617-85 **Location:** 209 - Brown Mastic Assoc. W/ 32, 33 & 34	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Jared C. Clarke on 08/10/17
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 9.9 %			
ST5779AI36A 36	217082617-86 **Location:** 222 - Green Carpet Adhesive	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.5 %			
ST5779AI36B 36	217082617-87 **Location:** 222 - Green Carpet Adhesive	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.6 %			
ST5779AI37A 37	217082617-88 **Location:** 201 - Green & Brown Comingled Carpet Adhesive	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Jared C. Clarke on 08/10/17
Analyst Description: Tan/Green, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 2.6 %			
ST5779AI37B 37	217082617-89 **Location:** 201 - Green & Brown Comingled Carpet Adhesive	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Tan/Green, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.7 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI38A 38	217082617-90 **Location:** B31 - Light Brown 9 x 9 Floor Tile	***Yes***	12.3 % (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 12.3 % **Other Material:** Non-fibrous 46 %			
ST5779AI38B 38	217082617-91 **Location:** B31 - Light Brown 9 x 9 Floor Tile		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
ST5779AI39A 39	217082617-92 **Location:** B31 - Black Mastic Assoc. W/ 38	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 27.1 %			
ST5779AI39B 39	217082617-93 **Location:** B31 - Black Mastic Assoc. W/ 38	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 45.6 %			
ST5779AI40A 40	217082617-94 **Location:** B27 - Brown 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4 %			
ST5779AI40B 40	217082617-95 **Location:** B27 - Brown 12 x 12 Floor Tile	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4.8 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

ST5779; Binghamton Armory; Binghamton, NY

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ST5779AI41A	217082617-96	***No***	NAD
41	**Location:** B27 - Black Mastic Assoc. W/ 40		(by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 21 %			
ST5779AI41B	217082617-97	***No***	NAD
41	**Location:** B27 - Black Mastic Assoc. W/ 40		(by NYS ELAP 198.6) by Jared C. Clarke on 08/10/17
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 9.8 %			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: John P. Koubiadis

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____

END OF REPORT

Table I
Summary of Bulk Asbestos Analysis Results
ST5779; Binghamton Armory; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	ST5779AI01A	01	----	----	----	----	NAD	NA
Location: 111 - Black Window Sill								
02	ST5779AI01B	01	----	----	----	----	NAD	NA
Location: 111 - Black Window Sill								
03	ST5779AI02A	02	0.212	30.7	42.9	26.4	NAD	NAD
Location: F7 - Black Window Perimeter Caulk								
04	ST5779AI02B	02	0.240	30.8	45.8	23.3	NAD	NAD
Location: F7 - Black Window Perimeter Caulk								
05	ST5779AI03A	03	----	----	----	----	NAD	NA
Location: B26 - Gray Brick Mortar								
06	ST5779AI03B	03	----	----	----	----	NAD	NA
Location: B22 - Gray Brick Mortar								
07	ST5779AI04A	04	----	----	----	----	NAD	NA
Location: B3 - Gray Wall Plaster / Base Coat								
08	ST5779AI04B	04	----	----	----	----	NAD	NA
Location: B7 - Gray Wall Plaster / Base Coat								
09	ST5779AI04C	04	----	----	----	----	NAD	NA
Location: 209 - Gray Wall Plaster / Base Coat								
10	ST5779AI05A	05	----	----	----	----	NAD	NA
Location: B3 - White Wall Plaster / Skim Coat								
11	ST5779AI05B	05	----	----	----	----	NAD	NA
Location: B7 - White Wall Plaster / Skim Coat								
12	ST5779AI05C	05	----	----	----	----	NAD	NA
Location: 209 - White Wall Plaster / Skim Coat								
13	ST5779AI06A	06	----	----	----	----	NAD	NA
Location: B3 - Gray Ceiling Plaster / Base Coat								
14	ST5779AI06B	06	----	----	----	----	NAD	NA
Location: B33 - Gray Ceiling Plaster / Base Coat								
15	ST5779AI06C	06	----	----	----	----	NAD	NA
Location: B7 - Gray Ceiling Plaster / Base Coat								
16	ST5779AI07A	07	----	----	----	----	NAD	NA
Location: B3 - White Ceiling Plaster / Skim Coat								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
ST5779; Binghamton Armory; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	ST5779AI07B	07	----	----	----	----	NAD	NA
Location:	B33 - White Ceiling Plaster / Skim Coat							
18	ST5779AI07C	07	----	----	----	----	NAD	NA
Location:	B7 - White Ceiling Plaster / Skim Coat							
19	ST5779AI08A	08	----	----	----	----	NAD	NA
Location:	B17A - White Gypsum Ceiling Board							
20	ST5779AI08B	08	----	----	----	----	NAD	NA
Location:	B17A - White Gypsum Ceiling Board							
21	ST5779AI08C	08	----	----	----	----	NAD	NA
Location:	B17A - White Gypsum Ceiling Board							
22	ST5779AI09A	09	----	----	----	----	NAD	NA
Location:	B17A - White Joint Compound Assoc. W/ 08							
23	ST5779AI09B	09	----	----	----	----	NAD	NA
Location:	B17A - White Joint Compound Assoc. W/ 08							
24	ST5779AI09C	09	----	----	----	----	NAD	NA
Location:	B17A - White Joint Compound Assoc. W/ 08							
25	ST5779AI10A	10	----	----	----	----	NAD	NA
Location:	B17A - White Seam Tape Assoc. W/ 08							
26	ST5779AI10B	10	----	----	----	----	NAD	NA
Location:	B17 - White Seam Tape Assoc. W/ 08							
27	ST5779AI10C	10	----	----	----	----	NAD	NA
Location:	B17A - White Seam Tape Assoc. W/ 08							
28	ST5779AI11A	11	0.142	93.7	4.2	2.1	NAD	NAD
Location:	103 - Carpet Adhesive							
29	ST5779AI11B	11	0.172	95.9	2.9	1.2	NAD	NAD
Location:	103 - Carpet Adhesive							
30	ST5779AI12A	12	0.202	74.3	12.9	12.9	NAD	NAD
Location:	F9 - Gray Floor Expansion Caulk							
31	ST5779AI12B	12	0.172	54.1	22.1	23.8	NAD	NAD
Location:	F9 - Gray Floor Expansion Caulk							
32	ST5779AI13A	13	----	----	----	----	NAD	NA
Location:	B4 - Tan Canvas Jacket Assoc. W/ Yellow FG							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
ST5779; Binghamton Armory; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	ST5779AI13B	13	----	----	----	----	NAD	NA
Location: B33 - Tan Canvas Jacket Assoc. W/ Yellow FG								
34	ST5779AI13C	13	----	----	----	----	NAD	NA
Location: B3 - Tan Canvas Jacket Assoc. W/ Yellow FG								
35	ST5779AI14A	14	----	----	----	----	NAD	NA
Location: B33 - Tan Canvas Jacket Assoc. W/ White TSI								
36	ST5779AI14B	14	----	----	----	----	NAD	NA
Location: B33 - Tan Canvas Jacket Assoc. W/ White TSI								
37	ST5779AI14C	14	----	----	----	----	NAD	NA
Location: B4 - Tan Canvas Jacket Assoc. W/ White TSI								
38	ST5779AI215A	15	----	----	----	----	Chrysotile 30.8	NA
Location: B33 - White TSI								
39	ST5779AI15B	15	----	----	----	----	NA/PS	NA
Location: B33 - White TSI								
40	ST5779AI15C	15	----	----	----	----	NA/PS	NA
Location: B4 - White TSI								
41	ST5779AI16A	16	----	----	----	----	Chrysotile 40.0	NA
Location: B33 - Gray Mudded Pipe Fitting								
42	ST5779AI16B	16	----	----	----	----	NA/PS	NA
Location: B33 - Gray Mudded Pipe Fitting								
43	ST5779AI16C	16	----	----	----	----	NA/PS	NA
Location: B4 - Gray Mudded Pipe Fitting								
44	ST5779AI17A	17	----	----	----	----	NAD	NA
Location: B33 - Tan Canvas Jacket Assoc. W/ 16								
45	ST5779AI17B	17	----	----	----	----	NAD	NA
Location: B33 - Tan Canvas Jacket Assoc. W/ 16								
46	ST5779AI17C	17	----	----	----	----	NAD	NA
Location: B4 - Tan Canvas Jacket Assoc. W/ 16								
47	ST5779AI18A	18	----	----	----	----	NAD	NA
Location: B37 - Gray Grout Assoc. W/ CFT								
48	ST5779AI18B	18	----	----	----	----	NAD	NA
Location: B37 - Gray Grout Assoc. W/ CFT								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
ST5779; Binghamton Armory; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	ST5779AI19A	19	----	----	----	----	NAD	NA
Location:	B37 - Gray Thinset Assoc. W/ CFT							
50	ST5779AI19B	19	----	----	----	----	NAD	NA
Location:	B37 - Gray Thinset Assoc. W/ CFT							
51	ST5779AI20A	20	0.286	18.5	35.0	46.5	NAD	NAD
Location:	B33 - Silver Paint On Ceiling Deck							
52	ST5779AI20B	20	0.270	19.6	39.6	40.7	NAD	NAD
Location:	B33 - Silver Paint On Ceiling Deck							
53	ST5779AI20C	20	0.273	21.6	19.8	58.6	NAD	NAD
Location:	B33 - Silver Paint On Ceiling Deck							
54	ST5779AI21A	21	----	----	----	----	NAD	NA
Location:	B33 - Off-White Penetration Caulk "Material Submitted Is Friable"							
55	ST5779AI21B	21	----	----	----	----	NAD	NA
Location:	B33 - Off-White Penetration Caulk "Material Submitted Is Friable"							
56	ST5779AI22A	22	0.241	50.2	7.9	41.9	NAD	NAD
Location:	B1 - Carpet Adhesive							
57	ST5779AI22B	22	0.255	34.9	26.3	38.8	NAD	NAD
Location:	B1 - Carpet Adhesive							
58	ST5779AI23A	23	0.060	61.7	31.7	6.7	NAD	NAD
Location:	B4 - Silver Conduit Paint							
59	ST5779AI23B	23	----	----	----	----	NA	NA
Location:	B33 - Silver Conduit Paint "Insufficient Material Submitted For Preparation"							
60	ST5779AI24A	24	----	----	----	----	NAD	NA
Location:	B21A - White Paper TSI Jacket Assoc. W/ Yellow FG							
61	ST5779AI24B	24	----	----	----	----	NAD	NA
Location:	B21A - White Paper TSI Jacket Assoc. W/ Yellow FG							
62	ST5779AI24C	24	----	----	----	----	NAD	NA
Location:	B21A - White Paper TSI Jacket Assoc. W/ Yellow FG							
63	ST5779AI25A	25	0.198	25.8	67.2	7.1	NAD	NAD
Location:	B15 - Gray 12 x 12 Floor Tile							
64	ST5779AI25B	25	0.193	20.7	71.0	8.3	NAD	NAD
Location:	B15 - Gray 12 x 12 Floor Tile							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
ST5779; Binghamton Armory; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	ST5779AI26A	26	0.232	22.8	75.4	1.7	NAD	NAD
Location:	B15 - Green 12 x 12 Floor Tile							
66	ST5779AI26B	26	0.189	22.8	76.2	1.1	NAD	NAD
Location:	B15 - Green 12 x 12 Floor Tile							
67	ST5779AI27A	27	0.168	89.9	2.4	7.7	NAD	NAD
Location:	B15 - Black Mastic Assoc. W/ 25 & 26							
68	ST5779AI27B	27	0.256	90.6	2.7	6.6	NAD	NAD
Location:	B15 - Black Mastic Assoc. W/ 25 & 26							
69	ST5779AI28A	28	0.140	81.4	12.9	5.7	NAD	NAD
Location:	F9 - Off-White Floor Repair Patch							
70	ST5779AI28B	28	0.098	83.7	12.2	4.1	NAD	NAD
Location:	F9 - Off-White Floor Repair Patch							
71	ST5779AI29A	29	0.099	51.5	4.0	44.4	NAD	NAD
Location:	F7 - Gray Floor Epoxy							
72	ST5779AI29B	29	0.179	66.5	8.4	25.1	NAD	NAD
Location:	F7 - Gray Floor Epoxy							
73	ST5779AI30A	30	0.209	17.2	76.1	6.7	NAD	NAD
Location:	B32 - Black 12 x 12 Floor Tile							
74	ST5779AI30B	30	0.222	19.8	77.0	3.2	NAD	NAD
Location:	B32 - Black 12 x 12 Floor Tile							
75	ST5779AI31A	31	0.075	82.7	9.3	8.0	NAD	NAD
Location:	B32 - Tan Mastic Assoc. W/ 30							
76	ST5779AI31B	31	0.080	76.3	12.5	11.3	NAD	NAD
Location:	B32 - Tan Mastic Assoc. W/ 30							
77	ST5779AI32A	32	0.240	37.5	22.9	32.4	Chrysotile 7.2	NA
Location:	209 - Brown 9 x 9 Floor Tile							
78	ST5779AI32B	32	0.237	36.7	21.5	41.8	NA/PS	NA
Location:	209 - Brown 9 x 9 Floor Tile							
79	ST5779AI23C	23	----	----	----	----	NA	NA
Location:	B4 - Silver Conduit Paint "Insufficient Material Submitted For Preparation"							
80	ST5779AI33A	33	0.191	40.3	19.4	28.8	Chrysotile 11.5	NA
Location:	209 - Dark Brown 9 x 9 Floor Tile							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
ST5779; Binghamton Armory; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
81	ST5779AI33B	33	0.210	36.2	41.0	22.9	NA/PS	NA
Location: 209 - Dark Brown 9 x 9 Floor Tile								
82	ST5779AI34A	34	0.276	37.3	22.1	30.5	Chrysotile 10.2	NA
Location: 209 - Dark Brown 9 x 24 Floor Tile								
83	ST5779AI34B	34	0.245	37.6	23.3	39.2	NA/PS	NA
Location: 209 - Dark Brown 9 x 24 Floor Tile								
84	ST5779AI35A	35	0.158	82.9	10.8	6.3	NAD	NAD
Location: 209 - Brown Mastic Assoc. W/ 32, 33 & 34								
85	ST5779AI35B	35	0.111	79.3	10.8	9.7	Chrysotile <0.25	Chrysotile <1.0
Location: 209 - Brown Mastic Assoc. W/ 32, 33 & 34								
86	ST5779AI36A	36	0.266	97.7	0.8	1.5	NAD	NAD
Location: 222 - Green Carpet Adhesive								
87	ST5779AI36B	36	0.181	97.2	2.2	0.6	NAD	NAD
Location: 222 - Green Carpet Adhesive								
88	ST5779AI37A	37	0.189	87.8	9.5	2.4	Chrysotile <0.25	Chrysotile <1.0
Location: 201 - Green & Brown Comingled Carpet Adhesive								
89	ST5779AI37B	37	0.296	98.0	1.4	0.7	NAD	NAD
Location: 201 - Green & Brown Comingled Carpet Adhesive								
90	ST5779AI38A	38	0.300	30.0	11.7	46.0	Chrysotile 12.3	NA
Location: B31 - Light Brown 9 x 9 Floor Tile								
91	ST5779AI38B	38	0.166	28.9	15.1	56.0	NA/PS	NA
Location: B31 - Light Brown 9 x 9 Floor Tile								
92	ST5779AI39A	39	0.310	25.8	47.1	26.9	Chrysotile <0.25	Chrysotile <1.0
Location: B31 - Black Mastic Assoc. W/ 38								
93	ST5779AI39B	39	0.344	33.1	21.2	45.5	Chrysotile <0.25	Chrysotile Trace
Location: B31 - Black Mastic Assoc. W/ 38								
94	ST5779AI40A	40	0.225	20.4	75.6	4.0	NAD	NAD
Location: B27 - Brown 12 x 12 Floor Tile								
95	ST5779AI40B	40	0.230	19.1	76.1	4.8	NAD	NAD
Location: B27 - Brown 12 x 12 Floor Tile								
96	ST5779AI41A	41	0.462	11.3	67.7	21.0	NAD	NAD
Location: B27 - Black Mastic Assoc. W/ 40								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
ST5779; Binghamton Armory; Binghamton, NY

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
97	ST5779AI41B	41	0.205	88.8	1.5	9.8	NAD	NAD
Location: B27 - Black Mastic Assoc. W/ 40								

Analyzed by: Aleksandr Barengolts_____; Date Analyzed 8/10/2017

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

ATLANTIC TESTING LABORATORIES

18501

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F)
Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F)
Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)
Elmira 2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)
Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)
Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)
Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)
Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)
Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)
Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected
STS779	Binghamton Armory	8/7/2017 Page 1 of 8

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT

Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other

Report Distribution

Send Reports To (ATL Office): Syracuse
ATL Contact: A. Amell
Send Copy To: amell@atlantictesting.com
Email Results: ☑ YES ☐ NO

Project Contact: A. Amell
Project Location: Binghamton, NY

Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
STS779AI01A	RBR 111	Black Window Sill	✓					
STS779AI01B	111	Black Window Sill	✓					
STS779AI02A	F7	Black Window Perimeter Caulk		✓	✓			
STS779AI02B	F7	Black Window Perimeter Caulk		✓	✓			
STS779AI03A	B26	Gray Brick Mortar	✓					
STS779AI03B	B22	Gray Brick Mortar	✓					
~~STS779AI03C~~ (23B)								
STS779AI04A	B3	Gray Wall Plaster Base Coat	✓					
STS779AI04B	B7	Gray Wall Plaster Base Coat	✓					
STS779AI04C	209	Gray Wall Plaster Base Coat	✓					
STS779AI05A	B3	White Wall Plaster Skim Coat	✓					
STS779AI05B	B7	White Wall Plaster Skim Coat	✓					
STS779AI05C	209	White Wall Plaster Skim Coat	✓					

Sampler's Name:	Robert Read	Date:	8/7/2017	Received at Laboratory (Name):	Date:
Sampler's Signature:		Time:	1200	Laboratory Signature:	Time:

Shipment Rec'd Intact ☐ YES ☐ NO

Samples Relinquished By:			Samples Received By:			Field and Laboratory Remarks:
Name:	Robert Read	Date: 8/7/2017	Name:		Date: 8/10/17	
Signature:		Time: 1500	Signature:		Time: 1155	
Name:		Date:	Name:		Date:	
Signature:		Time:	Signature:		Time:	

№ 217082617

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ATLANTIC TESTING LABORATORIES

18502

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F)

Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F)

Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)

Elmira 2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)

Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)

Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)

Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)

Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)

Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)

Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected
STS779	Binghamton Armory	8/7/2017 Page 2 of 8

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT

Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other

Report Distribution

Send Reports To (ATL Office): Syracuse

ATL Contact: A. Amell

Project Contact: A. Amell

Project Location: Binghamton, NY

Send Copy To: amell@STCatlantictesting.com

Email Results: ☑ YES ☐ NO

Field Sample No.	Sample Location	Sample Description	Analysis Requested: PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
STS779AI06A	B3	Gray Ceiling Plaster Base Coat	✓					
STS779AI06B	B33	Gray Ceiling Plaster Base Coat	✓					
STS779AI06C	B7	Gray Ceiling Plaster Base Coat	✓					
STS779AI07A	B3	White Ceiling Plaster Skim Coat	✓					
STS779AI07B	B33	White Ceiling Plaster Skim Coat	✓					
STS779AI07C	B7	White Ceiling Plaster Skim Coat	✓					
STS779AI08A	B17A	White Gypsum Ceiling Board	✓					
STS779AI08B	B17	White Gypsum Ceiling Board	✓					
STS779AI08C	B17A	White Gypsum Ceiling Board	✓					
STS779AI09A	B17A	White Joint Compound assoc. w/ 08	✓					
STS779AI09B	B17	White Joint Compound assoc. w/ 08	✓					
STS779AI09C	B17A	White Joint Compound assoc. w/ 08	✓					
STS779AI10A	B17A	White Seam Tape assoc. w/ 08	✓					

Sampler's Name: Robert Reed	Date: 8/7/2017	Received at Laboratory (Name):	Date:	Shipment Rec'd Intact
Sampler's Signature:	Time: 1200	Laboratory Signature:	Time:	☐ YES ☐ NO

Samples Relinquished By:			Samples Received By:		
Name: Robert Reed	Date: 8/7/2017		Name:	Date: 8/10/17	
Signature:	Time: 1500		Signature:	Time: 1155	
Name:	Date:		Name:	Date:	
Signature:	Time:		Signature:	Time:	

Field and Laboratory Remarks:

№ 21708617

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ATLANTIC TESTING LABORATORIES

18503

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F)
Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F)
Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)
Elmira 2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)
Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)
Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)
Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)
Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)
Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)
Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected
S15779	Binghamton Armory	8/7/2017 Page 3 of 8
Project Contact:	A. Amell	
Project Location:	Binghamton, NY	

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT

Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other _____

Report Distribution

Send Reports To (ATL Office): Syracuse
ATL Contact: A. Amell
Send Copy To: amell@atlantictesting.com
Email Results: ☐ YES ☐ NO

Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
S15779AI1OB	B17	White Seam Tape assoc. w/ OB	✓					
S15779AI1OC	B17A	White Seam Tape assoc. w/ OB	✓					
S15779AI11A	103	Carpet Adhesive		✓	✓			
S15779AI11B	103	Carpet Adhesive		✓	✓			
S15779AI12A	F9	Gray Floor Expansion Caulk		✓	✓			
S15779AI12B	F9	Gray Floor Expansion Caulk		✓	✓			
S15779AI13A	B4	Tan Canvas Jacket assoc. w/ Yellow FG	✓					
S15779AI13B	B33	Tan Canvas Jacket assoc. w/ Yellow FG	✓					
S15779AI13C	B3	Tan Canvas Jacket assoc. w/ Yellow FG	✓					
S15779AI14A	B33	Tan Canvas Jacket assoc. w/ White TSI	✓					
S15779AI14B	B33	Tan Canvas Jacket assoc. w/ White TSI	✓					
S15779AI14C	B4	Tan Canvas Jacket assoc. w/ White TSI	✓					
S15779AI15A	B33	White TSI	✓					

Sampler's Name:	Robert Read	Date:	8/7/2017
Sampler's Signature:		Time:	1200

Received at Laboratory (Name): _____ Date: _____
Laboratory Signature: _____ Time: _____

Shipment Rec'd Intact ☐ YES ☐ NO

Samples Relinquished By:			Samples Received By:			Field and Laboratory Remarks:
Name:	Robert Read	Date: 8/7/2017	Name:		Date: 8/10/17	
Signature:		Time: 1500	Signature:		Time: 1155	
Name:		Date:	Name:		Date:	
Signature:		Time:	Signature:		Time:	

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Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ATLANTIC TESTING LABORATORIES

18504

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F)

Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F)

Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)

Elmira 2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)

Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)

Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)

Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)

Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)

Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)

Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected
STS179	Binghamton Armory	8/7/2017 Page 4 of 8
Project Contact:	A. Anell	
Project Location:	Binghamton, NY	

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT

Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other

Report Distribution

Send Reports To (ATL Office): Syracuse

ATL Contact: A. Anell

Send Copy To: greene.ST@atlantictesting.com

Email Results: ☑ YES ☐ NO

Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
STS179AI15B	B33	White TSI	✓					
STS179AI15C	B4	White TSI	✓					
STS179AI16A	B33	Gray Mudded Pipe Fitting	✓					
STS179AI16B	B33	Gray Mudded Pipe Fitting	✓					
STS179AI16C	B4	Gray Mudded Pipe Fitting	✓					
STS179AI17A	B33	Tan Canvas Jacket assoc. w/ 16	✓					
STS179AI17B	B33	Tan Canvas Jacket assoc. w/ 16	✓					
STS179AI17C	B4	Tan Canvas Jacket assoc. w/ 16	✓					
STS179AI18A	B37	Gray Grout assoc. w/ CFT	✓					
STS179AI18B	B37	Gray Grout assoc. w/ CFT	✓					
STS179AI14A	B37	Gray Thinset assoc. w/ CFT	✓					
STS179AI14B	B37	Gray Thinset assoc. w/ CFT	✓					
STS179AI20A	B33	Silver Paint on Ceiling Deck		✓	✓			

Sampler's Name:	Robert Read	Date:	8/7/2017	Received at Laboratory (Name):		Date:		Shipment Rec'd Intact
Sampler's Signature:		Time:	1200	Laboratory Signature:		Time:		☐ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Field and Laboratory Remarks:
Name:	Robert Read	Date:	8/7/17	Name:		Date:	8/10/17	
Signature:		Time:	1500	Signature:		Time:	1155	
Name:		Date:		Name:		Date:		
Signature:		Time:		Signature:		Time:		

#217082617

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ATLANTIC TESTING LABORATORIES

18505

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F)
Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F)
Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)
Elmira 2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)
Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)
Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)
Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)
Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)
Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)
Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected
S15779	Binghamton Armory	8/7/2017 Page 5 of 8
Project Contact:	A. Amell	
Project Location:	Binghamton, NY	

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT

Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other

Report Distribution

Send Reports To (ATL Office): Syracuse
ATL Contact: A. Amell
Send Copy To: amell@atlantictestinglab.com
Email Results: ☑ YES ☐ NO

Field Sample No.	Sample Location	Sample Description	Analysis Requested: PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
S15779AI20B	B33	Silver Paint on Ceiling Deck		✓	✓			
S15779AI20A	B33	Silver Paint on Ceiling Deck		✓	✓			
S15779AI21A	B33	OFF-White Penetration Caulk		✓	✓			
S15779AI21B	B33	OFF-White Penetration Caulk		✓	✓			
S15779AI22A	B1	Carpet Adhesive		✓	✓			
S15779AI22B	B1	Carpet Adhesive		✓	✓			
S15779AI23A	B4	Silver Conduit Paint		✓	✓			
S15779AI23B	B33	Silver Conduit Paint		✓	✓			
S15779AI24A	B21A	White Paper TSI Jacket assoc w/ Yellow FG	✓					
S15779AI24B	B21A	White Paper TSI Jacket assoc w/ Yellow FG	✓					
S15779AI24C	B21A	White Paper TSI Jacket assoc w/ Yellow FG	✓					
S15779AI25A	B15	Gray 12x12 Floor Tile		✓	✓			
S15779AI25B	B15	Gray 12x12 Floor Tile		✓	✓			

Sampler's Name:	Robert Reed	Date:	8/7/2017	Received at Laboratory (Name):	Date:
Sampler's Signature:		Time:	1200	Laboratory Signature:	Time:

Shipment Rec'd Intact ☐ YES ☐ NO

Samples Relinquished By:			Samples Received By:			Field and Laboratory Remarks:
Name:	Robert Reed	Date: 8/7/2017	Name:	Joe Bl	Date: 8/10/17	
Signature:		Time: 1510	Signature:		Time: 1155	
Name:		Date:	Name:		Date:	
Signature:		Time:	Signature:		Time:	

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Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ATLANTIC TESTING LABORATORIES

18506

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany
22 Corporate Drive
Clifton Park, NY 12065
518/383-9144 (T)
518/383-9166 (F)

Binghamton
126 Park Avenue
Binghamton, NY 13903
607/773-1812 (T)
607/773-1835 (F)

Canton
6431 U.S. Highway 11
Canton, NY 13617
315/386-4578 (T)
315/386-1012 (F)

Elmira
2330 Route 352
Elmira, NY 14903
607/737-0700 (T)
607/737-0714 (F)

Plattsburgh
130 Arizona Ave
Plattsburgh, NY 12903
518/563-5878 (T)
518/562-1321 (F)

Poughkeepsie
251 Upper North Road
Highland, NY 12528
845/691-6098 (T)
845/691-6099 (F)

Rochester
3495 Winton Place
Rochester, NY 14623
585/427-9020 (T)
585/427-9021 (F)

Syracuse
6085 Court Street Road
Syracuse, NY 13206
315/699-5281 (T)
315/699-3374 (F)

Utica
301 St. Anthony Street
Utica, NY 13501
315/735-3309 (T)
315/735-0742 (F)

Watertown
26581 NYS Route 283
Watertown, NY 13601
315/786-7887 (T)
315/786-2022 (F)

Project No.	Project Name	Date Collected
ST5779	Binghamton Armory	8/7/2017 Page 6 of 8

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT

Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other

Report Distribution

Send Reports To (ATL Office): Syracuse

ATL Contact: A. Amell

Send Copy To: amell@atlantictesting.com

Email Results: ☑ YES ☐ NO

Project Contact: A-Amell

Project Location: Binghamton, NY

Field Sample No.	Sample Location	Sample Description	Analysis Requested: PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
ST5779AI26A	B15	Green 12x12 Floor Tile		✓				
ST5779AI26B	B15	Green 12x12 Floor Tile		✓				
ST5779AI27A	B15	Black Mastic assoc. w/ 25&26		✓				
ST5779AI27B	B15	Black Mastic assoc. w/ 25&26		✓				
ST5779AI28A	F9	Off-White Floor Repair Patch	✓					
ST5779AI28B	F9	Off-White Floor Repair Patch	✓					
ST5779AI24A	F7	Gray Floor Epoxy		✓	✓			
ST5779AI24B	F7	Gray Floor Epoxy		✓	✓			
ST5779AI30A	B32	Black 12x12 Floor Tile		✓	✓			
ST5779AI30B	B32	Black 12x12 Floor Tile		✓	✓			
ST5779AI31A	B32	Tan Mastic assoc w/ 30		✓	✓			
ST5779AI31B	B32	Tan Mastic assoc. w/ 30		✓	✓			
ST5779AI32A	204	Brown 9x9 Floor Tile		✓	✓			

Sampler's Name:	Robert Reed	Date:	8/7/2017
Sampler's Signature:		Time:	1200

Received at Laboratory (Name): Date: Time:

Laboratory Signature:

Shipment Rec'd Intact ☐ YES ☐ NO

Samples Relinquished By:			Samples Received By:			Field and Laboratory Remarks:
Name:	Robert Reed	Date: 8/7/2017	Name:	Joe Bh	Date: 8/10/17	
Signature:		Time: 1500	Signature:		Time: 1199	
Name:		Date:	Name:		Date:	
Signature:		Time:	Signature:		Time:	

#217082017

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ATLANTIC TESTING LABORATORIES

18507

ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

Albany	Binghamton	Canton	Elmira	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F)	126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F)	6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)	2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)	130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)	251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)	3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)	6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)	301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)	26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected
ST5779	Binghamton Armory	8/7/2017 Page 7 of 8
Project Contact:	A. Anell	
Project Location:	Binghamton, NY	

Laboratory Instructions

Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT

Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other

Report Distribution

Send Reports To (ATL Office): Syracuse

ATL Contact: A. Anell

Send Copy To: [illegible]

Email Results: ☑ YES ☐ NO

Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
ST5779AI32B	(RBD) ~~B32~~ 209	Brown 9x9 Floor Tile		✓	✓			
ST5779AI23C	B4	Silver Conduit Paint		✓	✓			
ST5779AI33A	(RBD) ~~B32~~ 209	Dark Brown 9x9 Floor Tile		✓	✓			
ST5779AI33B	209	Dark Brown 9x9 Floor Tile		✓	✓			
ST5779AI34A	209	Dark Brown 9x24 Floor Tile		✓	✓			
ST5779AI34B	209	Dark Brown 9x24 Floor Tile		✓	✓			
ST5779AI35A	209	Brown Mastic assoc. w/ 32,33,+34		✓	✓			
ST5779AI35B	209	Brown Mastic assoc. w/ 32,33,+34		✓	✓			
ST5779AI36A	222	Green Carpet Adhesive		✓	✓			
ST5779AI36B	222	Green Carpet Adhesive		✓	✓			
ST5779AI37A	201	Green+Brown Commingled Carpet Adhesive		✓	✓			
ST5779AI37B	201	Green+Brown Commingled Carpet Adhesive		✓	✓			
ST5779AI38A	B31	Light Brown 9x9 Floor Tile		✓	✓			

Sampler's Name: Robert Reed Date: 8/7/2017

Sampler's Signature: [signature] Time: 1200

Received at Laboratory (Name): Date:

Laboratory Signature: Time:

Shipment Rec'd Intact ☐ YES ☐ NO

Samples Relinquished By:				Samples Received By:				Field and Laboratory Remarks:
Name:	Robert Reed	Date:	8/7/2017	Name:	[signature]	Date:	8/10/17	
Signature:	[signature]	Time:	1500	Signature:	[signature]	Time:	1155	
Name:		Date:		Name:		Date:		
Signature:		Time:		Signature:		Time:		

#2170826 17

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ENV-001A

pdrive:Forms\Environmental\FieldForms\\Asbestos Bulk Sample Chain-of-Custody Record rev 4: 02/14

ATLANTIC TESTING LABORATORIES
ASBESTOS BULK SAMPLE CHAIN-OF-CUSTODY RECORD

18508

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F)
Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F)
Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F)
Elmira 2330 Route 352, Elmira, NY 14903, 607/737-0700 (T), 607/737-0714 (F)
Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F)
Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F)
Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F)
Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F)
Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F)
Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F)

Project No.	Project Name	Date Collected
ST5779	Binghamton Armory	8/7/2017 Page 8 of 8

Project Contact: A. Arell
Project Location: Binghamton, NY

Laboratory Instructions
Turn-Around-Time: ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☐ 5day ☑ RUSH TAT
Special Instructions: ☑ Positive Stop Analysis ☑ If negative by PLM-NOB, analyze by TEM-NOB ☐ Other

Report Distribution
Send Reports To (ATL Office): Syracuse
ATL Contact: A. Arell
Send Copy To: amazeiST@atlantictesting.com
Email Results: ☑ YES ☐ NO

Field Sample No.	Sample Location	Sample Description	PLM	PLM-NOB	TEM-NOB	TEM-ONLY	MICRO-VAC	Laboratory Sample ID No.
ST5779AI38B	B31	Light Brown 9x9 Floor Tile		✓	✓			
ST5779AI39A	B31	Black Mastic assoc. w/ 38		✓	✓			
ST5779AI39B	B31	Black Mastic assoc. w/ 38		✓	✓			
ST5779AI40A	B27	Brown 12x12 Floor Tile		✓	✓			
ST5779AI40B	B27	Brown 12x12 Floor Tile		✓	✓			
ST5779AI41A	B27	Black Mastic assoc. w/ 40		✓	✓			
ST5779AI41B	B27	Black Mastic assoc. w/ 40		✓	✓			

RBR 6/t 6/1

Sampler's Name: Robert Read Date: 8/7/2017
Sampler's Signature: [signature] Time: 1200

Received at Laboratory (Name): Date:
Laboratory Signature: Time:
Shipment Rec'd Intact ☐ YES ☐ NO

Samples Relinquished By:		Samples Received By:		Field and Laboratory Remarks:
Name: Robert Read	Date: 8/7/2017	Name: [signature]	Date: 8/10/17	
Signature: [signature]	Time: 1500	Signature: [signature]	Time: 1155	
Name:	Date:	Name:	Date:	
Signature:	Time:	Signature:	Time:	

#217082617

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

e-Hardcopy 2.0
Automated Report

Technical Report for

Atlantic Testing Laboratories

Binghamton Armory, Binghamton, NY

SGS Accutest Job Number: JC48321

Sampling Date: 08/03/17

Report to:

Atlantic Testing Laboratories, Limited
6085 Court Street Road
Syracuse, NY 13206
AAmell@AtlanticTesting.com; LabsST@AtlanticTesting.com

ATTN: Andrew Amell

Total number of pages in report: **16**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

Sections: 1 2 3 4 5

Table of Contents

Sample Summary

Atlantic Testing Laboratories

Binghamton Armory, Binghamton, NY

Job No: JC48321

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC48321-1	08/03/17	14:25	AA	08/04/17	SO	Solid	ST5779PI01
JC48321-2	08/03/17	14:10	AA	08/04/17	SO	Solid	ST5779PI02
JC48321-3	08/03/17	14:45	AA	08/04/17	SO	Solid	ST5779PI03

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: JC48321
Account: Atlantic Testing Laboratories
Project: Binghamton Armory, Binghamton, NY
Collected: 08/03/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JC48321-1 **ST5779PI01**

No hits reported in this sample.

JC48321-2 **ST5779PI02**

No hits reported in this sample.

JC48321-3 **ST5779PI03**

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	ST5779PI01		
Lab Sample ID:	JC48321-1	**Date Sampled:**	08/03/17
Matrix:	SO - Solid	**Date Received:**	08/04/17
Method:	SW846 8082A SW846 3546	**Percent Solids:**	n/a [a]
Project:	Binghamton Armory, Binghamton, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G150397.D	1	08/06/17 15:58	RK	08/04/17 08:40	OP5053	G2G4091
Run #2							

	Initial Weight	Final Volume
Run #1	1.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	500	400	ug/kg	
11104-28-2	Aroclor 1221	ND	500	220	ug/kg	
11141-16-5	Aroclor 1232	ND	500	300	ug/kg	
53469-21-9	Aroclor 1242	ND	500	250	ug/kg	
12672-29-6	Aroclor 1248	ND	500	300	ug/kg	
11097-69-1	Aroclor 1254	ND	500	230	ug/kg	
11096-82-5	Aroclor 1260	ND	500	360	ug/kg	
11100-14-4	Aroclor 1268	ND	500	220	ug/kg	
37324-23-5	Aroclor 1262	ND	500	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	80%		24-152%
877-09-8	Tetrachloro-m-xylene	66%		24-152%
2051-24-3	Decachlorobiphenyl	68%		10-166%
2051-24-3	Decachlorobiphenyl	87%		10-166%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ST5779PI02		
Lab Sample ID:	JC48321-2	**Date Sampled:**	08/03/17
Matrix:	SO - Solid	**Date Received:**	08/04/17
Method:	SW846 8082A SW846 3546	**Percent Solids:**	n/a [a]
Project:	Binghamton Armory, Binghamton, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G150400.D	1	08/06/17 16:48	RK	08/04/17 08:40	OP5053	G2G4091
Run #2							

	Initial Weight	Final Volume
Run #1	1.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	380	300	ug/kg	
11104-28-2	Aroclor 1221	ND	380	170	ug/kg	
11141-16-5	Aroclor 1232	ND	380	230	ug/kg	
53469-21-9	Aroclor 1242	ND	380	190	ug/kg	
12672-29-6	Aroclor 1248	ND	380	230	ug/kg	
11097-69-1	Aroclor 1254	ND	380	180	ug/kg	
11096-82-5	Aroclor 1260	ND	380	280	ug/kg	
11100-14-4	Aroclor 1268	ND	380	170	ug/kg	
37324-23-5	Aroclor 1262	ND	380	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		24-152%
877-09-8	Tetrachloro-m-xylene	111%		24-152%
2051-24-3	Decachlorobiphenyl	71%		10-166%
2051-24-3	Decachlorobiphenyl	89%		10-166%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	ST5779PI03		
Lab Sample ID:	JC48321-3	**Date Sampled:**	08/03/17
Matrix:	SO - Solid	**Date Received:**	08/04/17
Method:	SW846 8082A SW846 3546	**Percent Solids:**	n/a [a]
Project:	Binghamton Armory, Binghamton, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G150401.D	1	08/06/17 17:05	RK	08/04/17 08:40	OP5053	G2G4091
Run #2							

	Initial Weight	Final Volume
Run #1	1.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	380	300	ug/kg	
11104-28-2	Aroclor 1221	ND	380	170	ug/kg	
11141-16-5	Aroclor 1232	ND	380	230	ug/kg	
53469-21-9	Aroclor 1242	ND	380	190	ug/kg	
12672-29-6	Aroclor 1248	ND	380	230	ug/kg	
11097-69-1	Aroclor 1254	ND	380	180	ug/kg	
11096-82-5	Aroclor 1260	ND	380	280	ug/kg	
11100-14-4	Aroclor 1268	ND	380	170	ug/kg	
37324-23-5	Aroclor 1262	ND	380	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		24-152%
877-09-8	Tetrachloro-m-xylene	61%		24-152%
2051-24-3	Decachlorobiphenyl	53%		10-166%
2051-24-3	Decachlorobiphenyl	68%		10-166%

(a) All results reported on a wet weight basis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

INITIAL ASSESSMENT JB/MH

LABEL VERIFICATION JK

ATLANTIC TESTING LABORATORIES

Environmental Chain-Of-Custody Record

No 11010

JC48321

Albany	Binghamton	Canton	Elmira	Plattsburgh	Poughkeepsie	Rochester	Syracuse	Utica	Watertown
22 Corporate Drive Clifton Park, NY 12065 518/383-9144 (T) 518/383-9166 (F)	126 Park Avenue Binghamton, NY 13903 607/773-1812 (T) 607/773-1835 (F)	6431 U.S. Highway 11 Canton, NY 13617 315/386-4578 (T) 315/386-1012 (F)	2330 Route 352 Elmira, NY 14903 607/737-0700 (T) 607/737-0714 (F)	130 Arizona Ave Plattsburgh, NY 12903 518/563-5878 (T) 518/562-1321 (F)	251 Upper North Road Highland, NY 12528 845/691-6098 (T) 845/691-6099 (F)	3445 Winton Place Rochester, NY 14623 585/427-9020 (T) 585/427-9021 (F)	6085 Court Street Road Syracuse, NY 13206 315/699-5281 (T) 315/699-3374 (F)	301 St. Anthony Street Utica, NY 13501 315/735-3309 (T) 315/735-0742 (F)	26581 NYS Route 283 Watertown, NY 13601 315/786-7887 (T) 315/786-2022 (F)

Project No.	Client Name	QA/QC Code	Parameters	Report Distribution
ST5779 Page of	O'Brien and Gere	☐ NYSDEC ☐ SW-846 ☐ NYSDOH ☐ CLP ☐ Other	EPA 8082	Dates Required: 24 hr TAT
Project Contact:	Andy Arell	Project Location		Send Report To: labsite@atlantictesting.com
Project Name:	BINGHAMTON ARMORY	Binghamton, NY		E-mail Results: ☑ YES ☐ NO

Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers		Notes	Laboratory Sample ID No.	Custody Seal = intact
8/3/17	1425	ST5779 PI01	Room F7	G	1	✓ 1			
8/3/17	1410	ST5779 PI02	Room F9	G	1	✓ 2			
8/3/17	1445	ST5779 PI03	Room B33	G	1	✓ 3		E13T2	

Samplers Name:	Justin L. O'Brien	Date:	8/3/17	Received for Name:	ANDREW SILK	Date:	8/4/17	Shipment Rec'd Intact?
Samplers Signature:		Time:	1500	Laboratory Signature:		Time:	950	☑ YES ☐ NO

Samples Relinquished By:			Samples Received By:			Sample Type Code Key:				Laboratory Remarks
Name: Justin L. O'Brien	Date: 8/3/17		Name: Robert Reed	Date: 8/3/2017		Description		Matrix		
Signature:	Time: 1515		Signature:	Time: 1515		C	Composite	DW	Drinking Water	
Name: Robert Reed	Date: 8/3/2017		Name: Zach King	Date: 8/3/17		G	Grab	GW	Groundwater	
Signature:	Time: 1710		Signature:	Time: 17:00		Q	QA/QC	O	Oil	
						O	Other	S	Soil	
								SL	Sludge	
								WW	Wastewater	2.1 °C

Relinquished: Zach King 8/3/17 17:12

Received by: Jacob Church 8/3/17, 17:54

Relinquished: Jacob Church 8/3/17 18:30

Received by Fedex

Relinquished by: Fedex 8/4/17 9:50

Tracking # 7250 6931 6334

Think Quality

Distribution: White with Samples
Yellow to Laboratory
Pink to ATL Files

ENV-001B

pdrive:Forms\Environmental\OfficeForms\Environmental Chain-Of-Custody Record rev 3: 02/14

4.1 4

JC48321: Chain of Custody

Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: JC48321 **Client:** _____ **Project:** _____

Date / Time Received: 8/4/2017 9:50:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

SM089-02
Rev. Date 12/1/16

JC48321: Chain of Custody
Page 2 of 2

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JC48321
Account: ATLABNYC Atlantic Testing Laboratories
Project: Binghamton Armory, Binghamton, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5053-MB1	2G150393.D	1	08/06/17	RK	08/04/17	OP5053	G2G4091

The QC reported here applies to the following samples: **Method:** SW846 8082A

JC48321-1, JC48321-2, JC48321-3

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	33	26	ug/kg	
11104-28-2	Aroclor 1221	ND	33	14	ug/kg	
11141-16-5	Aroclor 1232	ND	33	20	ug/kg	
53469-21-9	Aroclor 1242	ND	33	17	ug/kg	
12672-29-6	Aroclor 1248	ND	33	20	ug/kg	
11097-69-1	Aroclor 1254	ND	33	15	ug/kg	
11096-82-5	Aroclor 1260	ND	33	24	ug/kg	
11100-14-4	Aroclor 1268	ND	33	15	ug/kg	
37324-23-5	Aroclor 1262	ND	33	17	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	82%	24-152%
877-09-8	Tetrachloro-m-xylene	87%	24-152%
2051-24-3	Decachlorobiphenyl	76%	10-166%
2051-24-3	Decachlorobiphenyl	93%	10-166%

Blank Spike Summary

Job Number: JC48321
Account: ATLABNYC Atlantic Testing Laboratories
Project: Binghamton Armory, Binghamton, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5053-BS1	2G150394.D	1	08/06/17	RK	08/04/17	OP5053	G2G4091

The QC reported here applies to the following samples: **Method:** SW846 8082A

JC48321-1, JC48321-2, JC48321-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	133	127	95	61-146
11104-28-2	Aroclor 1221		ND		70-130
11141-16-5	Aroclor 1232		ND		70-130
53469-21-9	Aroclor 1242		ND		70-130
12672-29-6	Aroclor 1248		ND		70-130
11097-69-1	Aroclor 1254		ND		70-130
11096-82-5	Aroclor 1260	133	134	100	62-148
11100-14-4	Aroclor 1268		ND		50-150 [a]
37324-23-5	Aroclor 1262		ND		50-150 [a]

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	87%	24-152%
877-09-8	Tetrachloro-m-xylene	91%	24-152%
2051-24-3	Decachlorobiphenyl	79%	10-166%
2051-24-3	Decachlorobiphenyl	96%	10-166%

(a) Advisory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JC48321
Account: ATLABNYC Atlantic Testing Laboratories
Project: Binghamton Armory, Binghamton, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP5053-MS	2G150398.D	1	08/06/17	RK	08/04/17	OP5053	G2G4091
OP5053-MSD	2G150399.D	1	08/06/17	RK	08/04/17	OP5053	G2G4091
JC48321-1	2G150397.D	1	08/06/17	RK	08/04/17	OP5053	G2G4091

The QC reported here applies to the following samples: **Method:** SW846 8082A

JC48321-1, JC48321-2, JC48321-3

CAS No.	Compound	JC48321-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		1820	1730	95	2000	2010	101	15	24-178/46
11104-28-2	Aroclor 1221	ND			ND			ND		nc	70-130/50
11141-16-5	Aroclor 1232	ND			ND			ND		nc	70-130/50
53469-21-9	Aroclor 1242	ND			ND			ND		nc	70-130/50
12672-29-6	Aroclor 1248	ND			ND			ND		nc	70-130/50
11097-69-1	Aroclor 1254	ND			ND			ND		nc	70-130/50
11096-82-5	Aroclor 1260	ND		1820	1580	87	2000	1820	91	14	15-185/45
11100-14-4	Aroclor 1268	ND			ND			ND		nc	-/50
37324-23-5	Aroclor 1262	ND			ND			ND		nc	-/50

CAS No.	Surrogate Recoveries	MS	MSD	JC48321-1	Limits
877-09-8	Tetrachloro-m-xylene	77%	80%	80%	24-152%
877-09-8	Tetrachloro-m-xylene	63%	65%	66%	24-152%
2051-24-3	Decachlorobiphenyl	67%	69%	68%	10-166%
2051-24-3	Decachlorobiphenyl	86%	85%	87%	10-166%

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: JC48321
Account: ATLABNYC Atlantic Testing Laboratories
Project: Binghamton Armory, Binghamton, NY

Method: SW846 8082A **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JC48321-1	2G150397.D	80	66	68	87
JC48321-2	2G150400.D	89	111	71	89
JC48321-3	2G150401.D	59	61	53	68
OP5053-BS1	2G150394.D	87	91	79	96
OP5053-MB1	2G150393.D	82	87	76	93
OP5053-MS	2G150398.D	77	63	67	86
OP5053-MSD	2G150399.D	80	65	69	85

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	24-152%
S2 = Decachlorobiphenyl	10-166%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

APPENDIX D

SUMMARY TABLES

KEY FOR SUMMARY TABLES

Acronyms for the Known or Assumed ACM:

CFT = Ceramic Floor Tile
CWT = Ceramic Wall Tile
EPDM = Ethylene Propylene Diene Monomer
HVAC = Heating, Ventilation, and Air Conditioning
TSI = Thermal System Insulation

Abbreviations for Friable/ACM Type:

Y = Yes N= No M = Miscellaneous S = Surfacing T = Thermal System Insulation

Descriptions for Conditions:

The listed conditions of Good, Fair, and Poor generally correspond with the AHERA descriptions of Good, Damaged, and Significantly Damaged for different types of materials. The following summarizes additional details relative to the listed conditions.

Surfacing (Surf.) and Miscellaneous (Misc.) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with characteristics of surface crumbling, blistered, water-stained, gouged, marred, or otherwise abraded over less than one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
  - Surface crumbling or blistering is present over at least one tenth of the surface, if the damage is evenly distributed or one quarter if the damage is localized.
  - One tenth (or one quarter, if localized) of material hanging from the surface, deteriorated, or showing adhesive failure.
  - Water stains, gouges, or mars over at least one tenth of the surface if the damage is evenly distributed or one quarter if the damage is localized.

Thermal System Insulation (TSI) Materials

- Good: Material with no visible damage or deterioration, or showing only very limited damage or deterioration
- Fair: Material with one or more of the following characteristics:
  - A few water stains or less than one tenth of insulation with missing jackets.
  - Crushed insulation or water stains, gouges, punctures, or mars on up to one tenth of the insulation if the damage is evenly distributed or up to one quarter if the damage is localized.
- Poor: Material with one or more of the following characteristics:
  - Missing jackets on at least one tenth of the piping or equipment.
  - Crushed or heavily gouged or punctured insulation on at least one tenth of the component (pipe runs/risers, boiler, tank, duct, etc.) if the damage is evenly distributed or one quarter if the damage is localized.

Notes:

[1] Sample Location Plans are enclosed in Appendix B. Areas of the structure were alphabetically labeled at the time of the survey event.

[2a] NAD = No Asbestos Detected/ [2b] ND = Not detected above the laboratory method detection limit.

[3] Quantities and locations are approximate and must be verified by asbestos abatement contractors prior to providing actual cost quotations and/or initiating abatement activities.

[4] NA = Not Applicable

[5] Quantities may vary due to inaccessible rooms.

[6] Sample could not be processed due to limited size.

Table D-I
Summary of Suspect ACM and Analytical Results

Material	General Location[1]	Friable/ ACM Type	% Asbestos[2A]	Condition	Sample Numbers	Estimated Quantity[3, 4]
Black Cementitious Window Sill	Room Nos. 111 and F09	Y/M	NAD	Fair	ST5779AI01A ST5779AI01B	NA
Black Window Perimeter Caulk	Room Nos. 111, F04, F07, and F09	N/M	NAD	Fair	ST5779AI02A ST5779AI02B	NA
Gray Brick Mortar	Room Nos. B01, B10, B13, B15, B15A, B17, B17A B18, B19, B20, B21A, B22, B26, B27, B31, B32, B33, B35, B36, B37, B38 B40, 111, F01, F02, F03, and F09	Y/M	NAD	Fair	ST5779AI03A ST5779AI03B	NA
Gray Wall Plaster Base Coat	Room Nos. B03, B07, 110A, 209, and 227	Y/M	NAD	Fair	ST5779AI04A ST5779AI04B ST5779AI04C	NA
White Wall Plaster Skim Coat	Room Nos. B03, B07, 110A, 209, and 227.	Y/S	NAD	Fair	ST5779AI05A ST5779AI05B ST5779AI05C	NA
Gray Ceiling Plaster Base Coat	Room Nos. B03, B07, B33, and 110A	Y/M	NAD	Fair	ST5779AI06A ST5779AI06B ST5779AI06c	NA
White Ceiling Plaster Skim Coat	Room Nos. B03, B07, B33, and 110A	Y/S	NAD	Fair	ST5779AI07A ST5779AI07B ST5779AI07C	NA
White Gypsum Ceiling Board	Room Nos. B17 and B17A	Y/M	NAD	Fair	ST5779AI08A ST5779AI08B ST5779AI08C	NA
White Joint Compound Associated with White Gypsum Ceiling Board	Room Nos. B17 and B17A	Y/M	NAD	Fair	ST5779AI09A ST5779AI09B ST5779AI09C	NA
White Seam Tape Associated with White Gypsum Ceiling Board	Room Nos. B17 and B17A	Y/M	NAD	Fair	ST5779AI10A ST5779AI10B ST5779AI10C	NA
Green Carpet Adhesive Associated with Red and Black Speckled Carpet	Room Nos. 103, 203, 204, 207, 208, 221, and 223	N/M	NAD	Fair	ST5779AI11A ST5779AI11B	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location[1]	Friable/ ACM Type	% Asbestos[2A]	Condition	Sample Numbers	Estimated Quantity[3, 4]
Gray Floor Expansion Caulk	Room No. F09	N/M	NAD	Fair	ST5779AI12A ST5779AI12B	NA
Tan Canvas TSI Pipe Jacket Associated with Yellow Fiberglass Insulation	Room Nos. B03, B04, B08, B10, B11, B13, B15, B18, B19, B21A, B22, B27, B31, B33, B37, B38, F02, F07, and F09	Y/T	NAD	Fair	ST5779AI13A ST5779AI13B ST5779AI13C	NA
Tan Painted Silver Canvas TSI Pipe Jacket Associated with White TSI Pipe Insulation	Room Nos. B01, B03, B04, B07, B15, B18, B26, B27, B31, B33, B35, B40, F01, F02, F03, and F07	Y/T	NAD	Fair	ST5779AI14A ST5779AI14B ST5779AI14C	NA
White TSI Pipe Insulation	**Room Nos. B01, B03, B04, B07, B15, B18, B26, B27, B31, B33, B35, B40, F01, F02, and F07**	**Y/T**	**30.8**	**Fair**	**ST5779AI15A ST5779AI15B ST5779AI15C**	**1,100 Linear Feet[5]**
Gray Mudded TSI Pipe Fitting Associated with Tan Painted Silver Canvas TSI Pipe Jacket	**Room Nos. B01, B03, B04, B15, B18, B26, B27, B31, B33, B35, F01, F02, and F07**	**Y/T**	**40.0**	**Fair**	**ST5779AI16A ST5779AI16B ST5779AI16C**	**160 Linear Feet[5]**
Tan Painted Silver Canvas TSI Pipe Jacket Associated with Gray Mudded TSI Pipe Fitting	Room Nos. B01, B03, B04, B15, B18, B26, B27, B31, B33, B35, F01, F02, and F07	Y/T	NAD	Fair	ST5779AI17A ST5779AI17B ST5779AI17C	NA
Gray Grout Associated with 1-by 2-Inch Tan CFT	Room No. B37	Y/M	NAD	Fair	ST5779AI18A ST5779AI18B	NA
Gray Thinset Associated with 1-by 2-Inch Tan CFT	Room No. B37	Y/M	NAD	Fair	ST5779AI19A ST5779AI19B	NA
Silver Ceiling Deck Paint	Room Nos. B05, B06, B08, B10, B12A, B13, B15, B15A, B22, B27, B31, B33, and B40	Y/S	NAD	Fair	ST5779AI20A ST5779AI20B ST5779AI20C	NA

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location[1]	Friable/ ACM Type	% Asbestos[2A]	Condition	Sample Numbers	Estimated Quantity[3, 4]
Off-White Wall Penetration Caulk	Room No. B33	Y/M	NAD	Fair	ST5779AI21A ST5779AI21B	NA
Yellow Adhesive Associated with Blue and Black Speckled Carpet	Room No. B01	N/M	NAD	Fair	ST5779AI22A ST5779AI22B	NA
Silver Conduit Paint	Room Nos. B4, B8, B15, B19, B22, B33, and F9	N/M	NAD	Fair	ST5779AI23A ST5779AI23B[6] ST5779AI23C[6]	NA
White Paper TSI Pipe Jacket Associated with Yellow Fiberglass Insulation	Room Nos. B21A and F03	Y/T	NAD	Fair	ST5779AI24A ST5779AI24B ST5779AI24C	NA
Gray with White Streak 12- by 12-Inch Floor Tile	Room No. B15	N/M	NAD	Fair	ST5779AI25A ST5779AI25B	NA
Green with White Streak 12- by 12-Inch Floor Tile	Room Nos. B15 and B32	N/M	NAD	Fair	ST5779AI26A ST5779AI26B	NA
Black Mastic Associated with the Gray 12- by 12-Inch Floor Tile and Green 12- by 12-Inch Floor Tile	Room Nos. B15 and B32	N/M	NAD	Fair	ST5779AI27A ST5779AI27B	NA
Off-White Floor Repair Patch	Room No. F09	N/M	NAD	Fair	ST5779AI28A ST5779AI28B	NA
Gray Floor Epoxy	Room No. F07	N/M	NAD	Fair	ST5779AI29A ST5779AI29B	NA
Black with White Streak 12- by 12-Inch Floor Tile	Room No. B32	N/M	NAD	Fair	ST5779AI30A ST5779AI30B	NA
Brown Mastic Associated with Black 12- by 12-Inch Floor Tile	Room No. B32	N/M	NAD	Fair	ST5779AI31A ST5779AI31B	NA
Brown 9- by 9-Inch Floor Tile	**Room Nos. 209 and 227**	**N/M**	**7.2**	**Fair**	**ST5779AI32A ST5779AI32B**	**560 Square Feet**

Table D-I (Continued)
Summary of Suspect ACM and Analytical Results

Material	General Location[1]	Friable/ ACM Type	% Asbestos[2A]	Condition	Sample Numbers	Estimated Quantity[3, 4]
Dark Brown Marbled 9- by 9-Inch Floor Tile	**Room Nos. 209 and 227**	**N/M**	**11.5**	**Fair**	**ST5779AI33A ST5779AI33B**	**560 Square Feet**
Dark Brown 9- by 24-Inch Floor Tile	**Room Nos. 209 and 227**	**N/M**	**10.2**	**Fair**	**ST5779AI34A ST5779AI34B**	**280 Square Feet**
Brown Mastic Associated with Brown Marbled 9- by 9-Inch Floor Tile, Dark Brown 9-by 9-Inch Floor Tile, and Dark Brown 9- by 24-Inch Floor Tile	Room Nos. 209 and 227	N/M	Trace	Fair	ST5779AI35A ST5779AI35B	NA
Green Carpet Adhesive Associated with Green Multi-Colored Carpet	Room No. 222	N/M	NAD	Fair	ST5779AI36A ST5779AI36B	NA
Green and Brown Comingled Carpet Adhesive Associated with Blue Multi-Colored Carpet	Room No. 201	N/M	Trace	Fair	ST5779AI37A ST5779AI37B	NA
Light Brown 9- by 9-Inch Floor Tile	**Room No. B31**	**N/M**	**12.3**	**Fair**	**ST5779AI38A ST5779AI38B**	**235 Square Feet**
Brown Mastic Associated with Light Brown 9- by 9-Inch Floor Tile	Room No. B31	N/M	Trace	Fair	ST5779AI39A ST5779AI39B	NA
Brown with White Streak 12- by 12-Inch Floor Tile	Room No. B27	N/M	NAD	Fair	ST5779AI40A ST5779AI40B	NA
Black Mastic Associated with Brown 12- by 12-Inch Floor Tile	Room No. B27	N/M	NAD	Fair	ST5779AI41A ST5779AI41B	NA

Table D-II
Summary of Suspect PCB-Containing Caulk and Analytical Results

Material Description/ Color	General Location [1]	Sample Number	Total PCB [2b] (ppm)
Black Window Perimeter Caulk	Room Nos. 111, F04, F07, and F09	ST5779PI01	ND
Gray Floor Expansion Caulk	Room No. F09	ST5779PI02	ND
Off-White Wall Penetration Caulk	Room No. B33	ST5779PI03	ND

APPENDIX E

SUMMARY OF XRF RESULTS AND CALIBRATION CHECKS

Table E-I

Summary of XRF Test Results - Lead Detected at Greater than or Equal to 1 mg/cm^2

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
ST5779LX04	8/4/2017 8:00	Window	Casing	Metal	B	Intact	Black	ST5779	206	8.8
ST5779LX07	8/4/2017 8:03	Room	Wall	Plaster	C	Intact	Light Blue	ST5779	206	1.9
ST5779LX08	8/4/2017 8:04	Door	Frame	Metal	B	Intact	Black	ST5779	206	2.8
ST5779LX11	8/4/2017 8:06	Room	Wall	Plaster	D	Intact	Light Green	ST5779	206	6.7
ST5779LX12	8/4/2017 8:07	Room	Wall	Plaster	D	Intact	Light Green	ST5779	206	6.7
ST5779LX13	8/4/2017 8:08	Room	Baseboard	Wood	C	Intact	Black	ST5779	227	1.3
ST5779LX15	8/4/2017 8:09	Room	Baseboard	Wood	C	Intact	Black	ST5779	227	1.0
ST5779LX17	8/4/2017 8:11	Window	Sill	Metal	A	Intact	Black	ST5779	227	8.0
ST5779LX20	8/4/2017 8:14	Room	Wall	Plaster	B	Intact	White	ST5779	216	6.1
ST5779LX21	8/4/2017 8:14	Room	Wall	Plaster	B	Intact	Tan	ST5779	216	11.5
ST5779LX24	8/4/2017 8:16	Room	Wall	Plaster	C	Intact	Light Green	ST5779	219	2.8
ST5779LX25	8/4/2017 8:16	Room	Wall	Plaster	C	Intact	Light Green	ST5779	219	3.9
ST5779LX28	8/4/2017 8:19	Stair	Risers	Metal	A	Intact	Brown	ST5779	227	2.1
ST5779LX29	8/4/2017 8:19	Stair	Stringer	Metal	A	Intact	Brown	ST5779	227	7.1
ST5779LX30	8/4/2017 8:20	Stair	Newel Post	Metal	A	Intact	Black	ST5779	227	7.1
ST5779LX31	8/4/2017 8:20	Stair	Balusters	Metal	A	Intact	White	ST5779	228	11.7
ST5779LX38	8/4/2017 8:25	Room	Wall	Plaster	D	Intact	White	ST5779	228	10.7
ST5779LX39	8/4/2017 8:25	Room	Wall	Plaster	D	Intact	Tan	ST5779	115	12.8
ST5779LX40	8/4/2017 8:26	Room	Wall	Plaster	B	Intact	Tan	ST5779	115	8.9
ST5779LX41	8/4/2017 8:26	Room	Wall	Plaster	B	Intact	White	ST5779	100	6.1
ST5779LX42	8/4/2017 8:27	Window	Sill	Metal	B	Intact	Black	ST5779	100	10.5
ST5779LX43	8/4/2017 8:27	Window	Casing	Wood	B	Intact	Tan	ST5779	100	9.7
ST5779LX49	8/4/2017 8:33	Room	Baseboard	Wood	D	Intact	Black	ST5779	100	1.4
ST5779LX50	8/4/2017 8:33	Room	Baseboard	Wood	A	Intact	Black	ST5779	100	1.4
ST5779LX56	8/4/2017 8:41	Room	Ceiling	Metal	C	Intact	Silver	ST5779	111	10.9
ST5779LX57	8/4/2017 8:41	Room	Ceiling	Metal	C	Intact	Silver	ST5779	111	14.2
ST5779LX58	8/4/2017 8:42	Room	Floor	Wood	Center	Intact	Stain	ST5779	111	0.3
ST5779LX60	8/4/2017 8:43	Door	Frame	Metal	B	Intact	Black	ST5779	111	1.7
ST5779LX61	8/4/2017 8:43	Door	Frame	Metal	B	Intact	Black	ST5779	111	1.9
ST5779LX62	8/4/2017 8:44	Stair	Newel Post	Metal	B	Intact	Black	ST5779	111	7.6
ST5779LX63	8/4/2017 8:45	Stair	Risers	Metal	B	Intact	Brown	ST5779	111	1.1
ST5779LX64	8/4/2017 8:45	Stair	Risers	Metal	B	Intact	Brown	ST5779	111	1.7
ST5779LX65	8/4/2017 8:45	Stair	Stringer	Metal	B	Intact	Brown	ST5779	112	9.5
ST5779LX66	8/4/2017 8:46	Stair	Balusters	Metal	B	Intact	White	ST5779	112	11.0

Notes:

Alpha numerical room side designations were based on A beginning with directional north or subject property address side and progressing clockwise around the room.

Table E-I

Summary of XRF Test Results - Lead Detected at Greater than or Equal to 1 mg/cm^2

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
ST5779LX69	8/4/2017 8:49	Door	---	Metal	B	Intact	Brown	ST5779	112	3.4
ST5779LX72	8/4/2017 8:52	Room	Ceiling	Gypsum	Center	Intact	White	ST5779	111	0.5
ST5779LX73	8/4/2017 8:53	Room	Wall	Plaster	A	Intact	White	ST5779	111	7.4
ST5779LX74	8/4/2017 8:54	Room	Wall	Plaster	A	Intact	Tan	ST5779	110	6.0
ST5779LX77	8/4/2017 8:56	Door	Frame	Metal	C	Intact	Black	ST5779	110	2.2
ST5779LX80	8/4/2017 8:57	Door	---	Wood	C	Intact	Stain	ST5779	114	3.3
ST5779LX81	8/4/2017 9:18	Room	Wall	Plaster	A	Intact	White	ST5779	114	6.8
ST5779LX85	8/4/2017 9:19	Window	Sill	Metal	A	Intact	Tan	ST5779	B37	9.5
ST5779LX86	8/4/2017 9:20	Window	Casing	Wood	A	Intact	Brown	ST5779	B37	6.2
ST5779LX87	8/4/2017 9:20	Window	Casing	Wood	A	Intact	Brown	ST5779	B37	9.1
ST5779LX95	8/4/2017 9:28	Pipe	Horizontal	Metal	Center	Intact	Silver	ST5779	F1	4.6
ST5779LX97	8/4/2017 9:32	Pipe	Horizontal	Metal	Center	Intact	Silver	ST5779	B33	4.5
ST5779LX98	8/4/2017 9:32	Pipe	Horizontal	Metal	Center	Intact	Silver	ST5779	B33	6.0
ST5779LX102	8/4/2017 9:38	Room	Wall	Concrete	D	Intact	Gray	ST5779	B4	2.5
ST5779LX107	8/4/2017 9:54	Stair	Treads	Metal	B	Intact	Gray	ST5779	B15	1.2
ST5779LX108	8/4/2017 9:54	Stair	Stringer	Metal	B	Intact	Gray	ST5779	B15	4.0
ST5779LX109	8/4/2017 9:55	Stair	Railing	Metal	B	Intact	Gray	ST5779	B15	3.9
ST5779LX110	8/4/2017 9:55	Door	Casing	Metal	B	Intact	Gray	ST5779	B21	3.1
ST5779LX115	8/4/2017 10:00	Room	Wall	Concrete	B	Intact	Yellow	ST5779	B21	1.2
ST5779LX116	8/4/2017 10:00	Room	Wall	Concrete	B	Intact	Yellow	ST5779	B21	1.6
ST5779LX122	8/4/2017 10:07	I-Beam	---	Metal	B	Intact	Silver	ST5779	F9	12.4
ST5779LX123	8/4/2017 10:08	Stair	Railing	Metal	C	Intact	Yellow	ST5779	F9	1.2
ST5779LX124	8/4/2017 10:08	Stair	Railing	Metal	C	Intact	Yellow	ST5779	F9	1.1
ST5779LX128	8/4/2017 10:10	Door	---	Metal	A	Intact	Gray	ST5779	F9	5.7
ST5779LX129	8/4/2017 10:11	Door	Casing	Metal	A	Intact	Gray	ST5779	F9	8.9
ST5779LX138	8/4/2017 10:20	Column	---	Metal	Center	Intact	Yellow	ST5779	F7	11.6

Notes:

Alpha numerical room side designations were based on A beginning with directional north or subject property address side and progressing clockwise around the room.

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
ST5779LX06	8/4/2017 8:03	Room	Wall	Plaster	C	Intact	White	ST5779	206	0.3
ST5779LX14	8/4/2017 8:08	Room	Baseboard	Wood	C	Intact	Black	ST5779	227	0.9
ST5779LX16	8/4/2017 8:11	Window	Frame	Metal	A	Intact	Black	ST5779	227	0.1
ST5779LX18	8/4/2017 8:12	Window	Sill	Wood	A	Intact	Stain	ST5779	227	0.9
ST5779LX19	8/4/2017 8:12	Window	Sill	Wood	A	Intact	Stain	ST5779	216	0.6
ST5779LX22	8/4/2017 8:14	Room	Floor	Ceramic	Center	Intact	Tan	ST5779	216	0.1
ST5779LX23	8/4/2017 8:16	Room	Wall	Plaster	C	Intact	White	ST5779	219	0.1
ST5779LX26	8/4/2017 8:17	Room	Baseboard	Wood	C	Intact	Black	ST5779	227	0.5
ST5779LX27	8/4/2017 8:17	Room	Baseboard	Wood	C	Intact	Black	ST5779	227	0.7
ST5779LX32	8/4/2017 8:21	Stair	Treads	Concrete	A	Intact	Black	ST5779	228	0.3
ST5779LX33	8/4/2017 8:21	Stair	Treads	Concrete	A	Intact	Black	ST5779	228	0.5
ST5779LX35	8/4/2017 8:22	Stair	Railing	Wood	A	Intact	Stain	ST5779	228	0.1
ST5779LX44	8/4/2017 8:28	Radiator	Cover	Metal	B	Intact	Tan	ST5779	100	0.1
ST5779LX46	8/4/2017 8:29	Room	Floor	Ceramic	Center	Intact	Tan	ST5779	100	0.2
ST5779LX47	8/4/2017 8:29	Room	Baseboard	Wood	Center	Intact	Black	ST5779	100	0.6
ST5779LX48	8/4/2017 8:31	Room	Floor	Wood	Center	Intact	Stain	ST5779	100	0.4
ST5779LX51	8/4/2017 8:34	Room	Wall	Plaster	A	Intact	White	ST5779	101	0.2
ST5779LX52	8/4/2017 8:34	Room	Wall	Plaster	A	Intact	Red	ST5779	103	0.1
ST5779LX58	8/4/2017 8:42	Room	Floor	Wood	Center	Intact	Stain	ST5779	111	0.3
ST5779LX59	8/4/2017 8:42	Room	Floor	Wood	Center	Intact	Stain	ST5779	111	0.1
ST5779LX67	8/4/2017 8:47	Room	Floor	Concrete	Center	Intact	Brown	ST5779	112	0.3
ST5779LX68	8/4/2017 8:47	Room	Floor	Concrete	Center	Intact	Brown	ST5779	112	0.1
ST5779LX71	8/4/2017 8:52	Room	Ceiling	Gypsum	Center	Intact	White	ST5779	112	0.5
ST5779LX72	8/4/2017 8:52	Room	Ceiling	Gypsum	Center	Intact	White	ST5779	111	0.5
ST5779LX78	8/4/2017 8:56	Door	---	Wood	C	Intact	Stain	ST5779	110	0.2
ST5779LX79	8/4/2017 8:56	Door	---	Wood	C	Intact	Stain	ST5779	110	0.1
ST5779LX82	8/4/2017 9:18	Room	Wall	Plaster	A	Intact	Tan	ST5779	114	0.5
ST5779LX83	8/4/2017 9:18	Room	Wall	Plaster	A	Intact	Tan	ST5779	112	0.1
ST5779LX84	8/4/2017 9:18	Room	Wall	Plaster	B	Intact	Tan	ST5779	B37	0.2
ST5779LX88	8/4/2017 9:21	Room	Floor	Ceramic	Center	Intact	Tan	ST5779	B37	0.2
ST5779LX89	8/4/2017 9:22	Room	Floor	Concrete	Center	Intact	Light Blue	ST5779	B37	0.4

Notes:

Alpha numerical room side designations were based on A beginning with directional north or subject property address side and progressing clockwise around the room.

Table E-II
Summary of XRF Test Results - Lead Detected at Less than 1 mg/cm2

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
ST5779LX90	8/4/2017 9:23	Room	Floor	Concrete	Center	Intact	Blue	ST5779	B37	0.2
ST5779LX92	8/4/2017 9:24	Door	Casing	Wood	C	Intact	Tan	ST5779	B35	0
ST5779LX93	8/4/2017 9:25	Room	Locker	Metal	C	Intact	Blue	ST5779	F1	0
ST5779LX94	8/4/2017 9:27	Room	Ceiling	Plaster	Center	Intact	Silver	ST5779	F1	0
ST5779LX117	8/4/2017 10:01	Room	Floor	Concrete	Center	Intact	Gray	ST5779	B21	0.1
ST5779LX121	8/4/2017 10:05	Room	Wall	Concrete	D	Intact	Yellow	ST5779	B21B	0.3
ST5779LX125	8/4/2017 10:08	Stair	Railing	Metal	C	Intact	Yellow	ST5779	F9	0.3
ST5779LX126	8/4/2017 10:09	Door	Casing	Metal	B	Intact	Red	ST5779	F9	0.5
ST5779LX130	8/4/2017 10:12	Room	Floor	Concrete	Center	Intact	Gray	ST5779	F9	0.3
ST5779LX134	8/4/2017 10:15	Room	Floor	Concrete	Center	Intact	Gray	ST5779	F3	0.9
ST5779LX135	8/4/2017 10:15	Room	Floor	Concrete	Center	Intact	Gray	ST5779	F3	0.3
ST5779LX137	8/4/2017 10:17	Room	Floor	Concrete	Center	Intact	Gray	ST5779	F7	0.6

Notes:

Alpha numerical room side designations were based on A beginning with directional north or subject property address side and progressing clockwise around the room.

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
ST5779LX05	8/4/2017 8:02	Window	Sash	Wood	B	Intact	Black	ST5779	206	0
ST5779LX09	8/4/2017 8:05	Door	Frame	Wood	B	Intact	Black	ST5779	206	0
ST5779LX10	8/4/2017 8:06	Room	Wall	Plaster	D	Intact	White	ST5779	206	0
ST5779LX34	8/4/2017 8:22	Stair	Railing	Wood	A	Intact	Stain	ST5779	228	0
ST5779LX36	8/4/2017 8:23	Room	Wall	Brick	B	Intact	Red	ST5779	228	0
ST5779LX37	8/4/2017 8:24	Room	Wall	Brick	D	Intact	Red	ST5779	228	0
ST5779LX45	8/4/2017 8:28	Radiator	Cover	Metal	B	Intact	Tan	ST5779	100	0
ST5779LX53	8/4/2017 8:39	Room	Wall	Brick	C	Intact	Red	ST5779	103	0
ST5779LX54	8/4/2017 8:40	Room	Wall	Brick	C	Intact	Blue	ST5779	103	0
ST5779LX55	8/4/2017 8:40	Room	Wall	Brick	C	Intact	White	ST5779	103	0
ST5779LX75	8/4/2017 8:54	Radiator	Cover	Metal	A	Intact	Tan	ST5779	110	0
ST5779LX76	8/4/2017 8:54	Radiator	Cover	Metal	A	Intact	Tan	ST5779	110	0
ST5779LX91	8/4/2017 9:24	Door	Casing	Wood	C	Intact	Tan	ST5779	B37	0
ST5779LX92	8/4/2017 9:24	Door	Casing	Wood	C	Intact	Tan	ST5779	B35	0
ST5779LX93	8/4/2017 9:25	Room	Locker	Metal	C	Intact	Blue	ST5779	F1	0
ST5779LX94	8/4/2017 9:27	Room	Ceiling	Plaster	Center	Intact	Silver	ST5779	F1	0
ST5779LX96	8/4/2017 9:28	Pipe	Horizontal	Metal	Center	Intact	Silver	ST5779	F1	0
ST5779LX99	8/4/2017 9:33	Pipe	Horizontal	Metal	Center	Intact	Silver	ST5779	B33	0
ST5779LX100	8/4/2017 9:34	Room	Wall	Plaster	A	Intact	Yellow	ST5779	B4	0
ST5779LX103	8/4/2017 9:39	Room	Wall	Concrete	D	Intact	Red	ST5779	B4	0
ST5779LX106	8/4/2017 9:52	Room	Ceiling	Concrete	Center	Intact	Silver	ST5779	B21	0
ST5779LX111	8/4/2017 9:57	Pipe	Horizontal	Metal	Center	Intact	Yellow	ST5779	B21	0
ST5779LX112	8/4/2017 9:57	Pipe	Vertical	Metal	Center	Intact	Red	ST5779	B21	0
ST5779LX113	8/4/2017 9:58	Pipe	Vertical	Metal	Center	Intact	Orange	ST5779	B21	0
ST5779LX118	8/4/2017 10:01	Room	Floor	Concrete	Center	Intact	Gray	ST5779	B21B	0
ST5779LX119	8/4/2017 10:04	Room	Wall	Brick	D	Intact	White	ST5779	B21B	0
ST5779LX120	8/4/2017 10:04	Room	Wall	Brick	D	Intact	White	ST5779	B21B	0
ST5779LX127	8/4/2017 10:10	Door	---	Metal	B	Intact	Red	ST5779	F9	0
ST5779LX131	8/4/2017 10:13	Room	Wall	Gypsum	B	Intact	White	ST5779	F9	0
ST5779LX132	8/4/2017 10:14	Door	Casing	Wood	B	Intact	Gray	ST5779	F9	0
ST5779LX133	8/4/2017 10:14	Door	---	Wood	B	Intact	Gray	ST5779	F3	0
ST5779LX136	8/4/2017 10:16	Room	Floor	Concrete	Center	Intact	Gray	ST5779	F3	0

Notes:

Alpha numerical room side designations were based on A beginning with directional north or subject property address side and progressing clockwise around the room.

Table E-III
Summary of XRF Test Results - No Lead Detected

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
ST5779LX139	8/4/2017 10:21	Column	---	Metal	Center	Intact	Yellow	ST5779	F7	0
ST5779LX140	8/4/2017 10:21	Column	---	Metal	Center	Intact	Yellow	ST5779	F7	0

Notes:

Alpha numerical room side designations were based on A beginning with directional north or subject property address side and progressing clockwise around the room.

Table E-IV
Summary of XRF Calibration Results

Reading No	Time	Structure	Member	Substrate	Side	Condition	Color	Site	Room	Result (mg/cm^2)
ST5779LX01	8/4/2017 7:58				Calibration			ST5779		0.9
ST5779LX02	8/4/2017 7:58				Calibration			ST5779		1.0
ST5779LX03	8/4/2017 7:58				Calibration			ST5779		1.0
ST5779LX141	8/4/2017 10:30				Calibration			ST5779		0.9
ST5779LX142	8/4/2017 10:31				Calibration			ST5779		1.0
ST5779LX143	8/4/2017 10:31				Calibration			ST5779		0.8

NEW YORK STATE OF OPPORTUNITY. Office of General Services

Design and Construction
Division of Construction, 34th Floor, Corning Tower
The Governor Nelson A. Rockefeller Empire State Plaza
Albany, New York 12242
Phone: (518) 474-0331 FAX: (518) 474-8201

SCHEDULE OF SUBMITTALS

PROJECT NO.: 45606-C

FACILITY: BINGHAMTON ARMORY

CONTRACTOR:

PROJECT MANAGER:

DESIGN CONSULTANT: O'BRIEN & GERE ENGINEERS

ENGINEER-IN-CHARGE:

LEGEND

PACK: SUBMITTAL PACKAGE

SD: SHOP DRAWINGS

PD: PRODUCT DATA

SAM: SAMPLES

QCS: QUALITY CONTROL SUBMITTALS

LEED: LEED SUBMITTALS

CCS: CONTRACT CLOSEOUT SUBMITTALS

SUBMITTAL REVIEW RESPONSIBILITY:
F: OGS FIELD OFFICE
F/O: OGS FIELD OFFICE / OFFICE (ALBANY)
D: CONSULTANT / DESIGNER
S: OGS SCHEDULING DEPARTMENT

INSTRUCTIONS TO THE CONTRACTOR

1. Refer to **Section 013300 Submittals** of the Project Manual for general requirements regarding submittals and to **Section 017716 - CONTRACT CLOSEOUT** for project closeout submittals.
2. Refer to Sections of the specifications indicated herein for details of the requirements for each submittal listed.
3. Indicate in the rows (spaces) following each item:
a. Critical submittals and long lead items (mark with an 'X'). Some critical submittals may already be identified by the design team. Confirm that these are critical submittals.
b. The date the item will be submitted, and date approval is required (allow at least 3 weeks), and the date delivery of the material or equipment is necessary for completion of the work in accordance with the Progress Schedule. The date entered for the submittal is the last date a substitution will be considered. Proposed substitutions must be made prior to the date entered if more than one substitution is to be submitted for approval. Spaces which contain N/A do not require dates.
4. An example of a Submittal Transmittal (BDC-42) can be located at: http://www.ogs.ny.gov/BU/DC/forms/ContractorConstForms.asp
5. Submit Contract Closeout Submittals (CCS) prior to final inspection.

INSTRUCTIONS TO THE CONSULTANT / DESIGNER

1. Cut and paste required information from each Division (Div.X) tab and place in the S.O.S. tab.
2. Delete Division (Div.X) tabs after the S.O.S. tab has been in-filled.
3. Indicate F, F/O or D in column E. Items in Div.1 have defaults that can be modified as necessary.
4. Indicate items that are critical submittals in column F.
Note:
The following list of submittals is furnished for your convenience in scheduling submittals. The list is not warranted to be complete and does not take precedence over the contract documents. Enter additional submittals, as required and modify this schedule to the specific project. This S.O.S. will be used to populate the submittals website log.

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Phone: (518) 474-0331 FAX: (518) 474-8201

SCHEDULE OF SUBMITTALS

PROJECT NO.: 45606-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
007213			**GENERAL CONDITIONS**					
007213		**PD**	ARTICLE 6: Designate in writing competent supervision and/or management representatives as required - **include contact number in case of an emergency after work hours, including weekends and holidays (see 011000 Summary of Work)**	F				
007213		**PD**	ARTICLE 8: Permits and licenses	F				
011100			**SAFETY**					
011100		**QCS**	Site Specific Safety Plan	F/O	X			
011100		**QCS**	Employee Safety Orientation Training and Certificates	F/O	X			
011100		**QCS**	Emergency Action and Evacuation Plan	F/O				
013000			**ADMINISTRATIVE REQUIREMENTS**					
013000		**QCS**	Contractor's List of Subcontractors-Suppliers	F/O				
013000		**QCS**	Contractor's Application for Payment form	F/O				
013000		**QCS**	Detailed Estimate form	F/O				
013113			**PROJECT SCHEDULE**					
013113		**QCS**	CMU-01 Agreement Form	S	X			
013300			**SUBMITTALS**					
013300		**PD**	Schedule of Submittals (This form completed and editted)	F	X			
028003			**DISPOSAL OF NON-HAZARDOUS INDUSTRIAL-COMMERCIAL WASTE**					
028003		**QCS**	Detailed list of the codes, rules and regulations which are understood to govern the Work.	F/O				
028003		**QCS**	Listing of licenses or permits issued by government agencies authorizing the handling of the waste by the qualified Company, transporter, and operator of the disposal facility	F/O				
028003		**QCS**	Detailed step by step procedure indicating how the Work is to be accomplished	F/O				
028003		**QCS**	Qualified Company Data	F/O				
028213			**ASBESTOS ABATEMENT**					
028213		**PD**	Catalog sheets, specifications and installation instructions for each item specified	F				
028213		**QCS**	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the completed DOSH-751 and DOSH-465 forms	F/O	X			

SCHEDULE OF SUBMITTALS

PROJECT NO.: 45606-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
028213		**QCS**	Asbestos Site Specific Variance Submittals; if a site specific variance is sought submit the following: One copy of the New York State Department of Labor site specific variance decision.	F/O	X			
028213		**QCS**	Notification Compliance Data	F/O				
028213		**QCS**	Asbestos Removal Company Data	F/O	X			
028213		**QCS**	Asbestos Worker Certification Data	F/O	X			
028213		**QCS**	Work Plan	F/O	X			
028213		**QCS**	Waste Transporter Permit	F/O	X			
028213		**QCS**	Landfill Permit	F/O				
028213		**QCS**	Negative Air Pressure Equipment	F/O				
028213		**QCS**	Waste Shipment Records and Disposal Site Receipts	F/O				
028213		**CCS**	Daily Log	F				
028213		**CCS**	Air Monitoring Data	F				
028303			**ABATEMENT OF LEAD CONTAINING MATERIALS**					
028303		**PD**	Catalog sheets, specifications and installation instructions for each item specified	F				
028303		**QCS**	Work Plan	F/O				
028303		**QCS**	Abatement Worker's Qualifications Data	F/O				
028303		**QCS**	Occupant Protection Plan	F/O				
028303		**QCS**	Waste Transporter Permit	F/O				
028303		**QCS**	Air filtration unit operation and maintenance data and manufacturer's catalog sheets for the HEPA filter. Affidavit stating the HEPA filters are new and unused	F/O				
028303		**QCS**	Disposal Site Receipts	F/O				
028303		**QCS**	Remediation Report	F/O				
040123			**MASONRY CLEANING**					
040123		**PD**	Cleaning materials manufacturers' catalog sheets, specifications, and application instructions	F				
040123		**QCS**	Cleaning Contractors Qualifications Data	F/O				
040123		**QCS**	Cleaners Qualifications Data	F/O				
040123		**QCS**	Proposed Cleaning Procedure	F/O				
092300			**PLASTERING**					
092300		**PD**	Type 1 Plaster	F				
092300		**PD**	Type 2 Plaster	F				
092300		**PD**	Type 3 Plaster	F				
092300		**PD**	Type 4 Plaster	F				
092300		**PD**	Type 5 Plaster	F				
092300		**PD**	Bonding Compound	F				
092300		**PD**	Accessories, except fasteners	F				
092300		**QCS**	Sand	F/O				
096723			**EPOXY RESIN FLOORING**					

SCHEDULE OF SUBMITTALS

PROJECT NO.: 45606-C

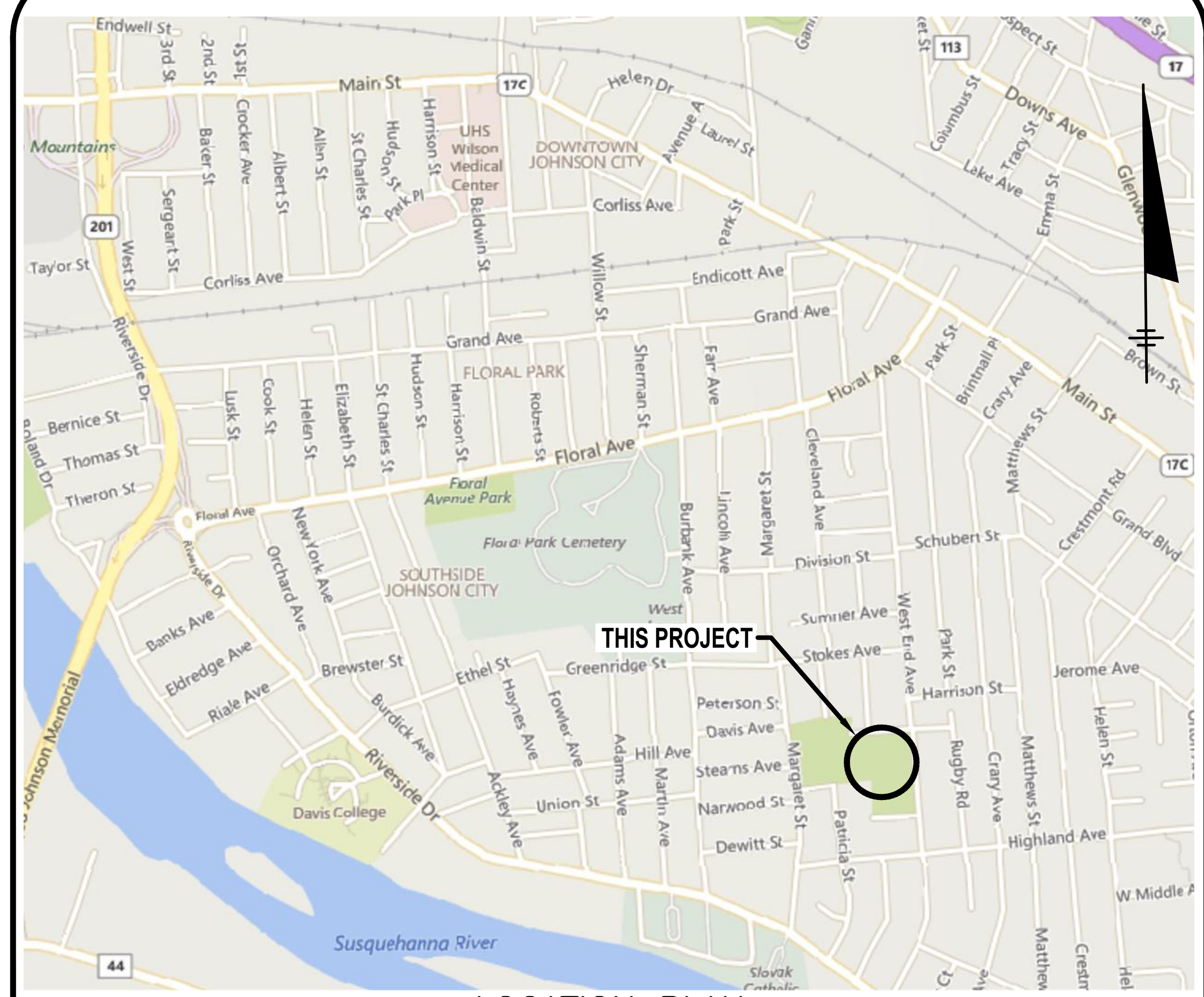
SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
096723		**PD**	Type EC Flooring and Base	F				
096723		**PD**	Type ECT Flooring and Base	F				
096723		**SAM**	Flooring and Base Combination	F				
096723		**SAM**	Underlayment Components	F				
096723		**SAM**	Liquid Binder for Reinforcement	F				
096723		**SAM**	Clear Sealer	F				
096723		**QCS**	Test Reports	F/O				
096723		**QCS**	Certificates - Article 3.01	F/O				
096723		**QCS**	Installer's Qualifications Data	F/O				
096723		**QCS**	List of Completed Installations	F/O				
096723		**CCS**	Maintenance Data - 2 copies	F				
096813			**TILE CARPETING**					
096813		**SD**	Dimensions, pattern direction, and seam diagram	F				
096813		**PD**	Tile Carpeting	F				
096813		**PD**	Edge Strips	F				
096813		**PD**	Adhesive	F				
096813		**SAM**	Tile Carpeting	F				
096813		**SAM**	Edge Strip	F				
096813		**SAM**	Color Samples	F				
096813		**QCS**	Certificates - Quality Assurance Article	F/O				
096813		**CCS**	Maintenance and Cleaning Instructions - 2 copies	F				
096813		**CCS**	Manufacturer's Warranty	F				
099101			**CONSTRUCTION PAINTING**					
099101		**PD**	Painting Schedule - Exterior Substrates	F				
099101		**PD**	Painting Schedule - Interior Substrates	F				
099101		**PD**	Paint Type IAL-1: Interior Acrylic Latex, Flat	F				
099101		**PD**	Paint Type IAL-2: Interior Acrylic Latex, Eggshell	F				
099101		**PD**	Paint Type IAL-3: Interior Acrylic Latex, Semigloss Enamel	F				
099101		**PD**	Paint Type IAL-4: Interior Acrylic Latex, Gloss Enamel	F				
099101		**PD**	Paint Type ISP: Interior Steel Primer, Flat	F				
099101		**PD**	Colors	F				
099101		**SAM**	Finish Paint Samples: Two finish paint samples applied over recommended primers for each substrate to be painted.	F				
099101		**QCS**	Test Reports	F/O				
099101		**QCS**	Certificates of Quality Assurance Article	F/O				
112613			**UNIT KITCHEN**					
112613		**PD**	Catalog sheets, specifications, rough-in drawings, and installation instructions	F				
112613		**CCS**	Operation and Maintenance Data - 2 copies	F				
112613		**CCS**	Copy of specifed warranty	F				
230700			**PIPING INSULATION**					
230700		**PD**	Insulation Materials	F				
230700		**PD**	Jacket Materials	F				

SCHEDULE OF SUBMITTALS

PROJECT NO.: 45606-C

SUBMITTALS FOR APPROVAL				Send to:	Critical Submittals	Contractor's Projected Dates Allow at least 4 weeks for Approval (allows time for any resubmission)		
Spec Section	Sub Section	Type	Description	F F/O D S	Mark "X" for all that apply	Projected Transmittal Date:	Projected Approval Date:	Projected Delivery Date:
230700		**QCS**	Installer's Qualification Data	F/O				

PROVIDE LEAD REMEDIATION
CONSTRUCTION WORK
BINGHAMTON ARMORY
FACILITY NO. 36A45-00001; NGB NO. 36170060
85 WEST END AVENUE, BINGHAMTON, NEW YORK
O.G.S. PROJECT NO. 45606-C



LOCATION PLAN

NOT TO SCALE

NEW YORK STATE
DIVISION OF MILITARY AND
NAVAL AFFAIRS

NEW YORK STATE OF OPPORTUNITY. | Office of General Services

DESIGN & CONSTRUCTION

DRAWING LIST

GENERAL NOTES:

1. A TARGETED ASBESTOS BUILDING SURVEY WAS COMPLETED ON AUGUST 3, 4 & 7, 2017. THE RESULTS OF THIS SURVEY ARE INCLUDED IN ATLANTIC TESTING LABORATORIES, LIMITED REPORT, DATED AUGUST 16, 2017, PROVIDED AS AN APPENDIX TO THE PROJECT MANUAL. MATERIALS INCLUDED IN THE SCOPE OF THIS REMEDIATION WERE INCLUDED IN THIS SURVEY. ASBESTOS-CONTAINING MATERIALS (ACM) WERE IDENTIFIED WITHIN THE FACILITY. WHERE SUSPECT (ACM) ARE PRESENT AND ARE NOT SPECIFICALLY ADDRESSED IN THE REPORT, THEY ARE TO BE TREATED AS PRESUMED ACM (PACM) FOR THE SCOPE OF THE PROJECT.

2. A SURVEY OF ENVIRONMENTALLY-REGULATED MATERIALS WAS PERFORMED ON AUGUST 3, 4 & 7, 2017. THE RESULTS OF THIS SURVEY ARE INCLUDED IN ATLANTIC TESTING LABORATORIES, LIMITED REPORT, DATED AUGUST 16, 2017, PROVIDED AS AN APPENDIX TO THE PROJECT MANUAL. MATERIALS IMPACTED BY THE SCOPE OF THIS REMEDIATION WERE INCLUDED IN THIS SURVEY. POLYCHLORINATED BIPHENYLS (PCBs) WERE NOT IDENTIFIED IN STRUCTURAL COMPONENTS SAMPLED. LEAD-BASED PAINT (LBP) WAS IDENTIFIED IN SOME OF THE COMPONENTS SAMPLED. FOR BIDDING PURPOSES, CONTRACTOR SHALL ASSUME 4 TONS OF NON-HAZARDOUS WASTE AND 4 TONS OF HAZARDOUS WASTE DISPOSAL.

3. LOCATION OF STAGING AREA TO BE COORDINATED WITH DIRECTOR'S REPRESENTATIVE.

4. ALL SPOIL AND WASTE MATERIAL SHALL BE DISPOSED OFF SITE AT THE CONTRACTOR'S EXPENSE.

5. COORDINATE WITH DIRECTOR'S REPRESENTATIVE FOR TEMPORARY WATER SUPPLY LOCATION/ACCESS. FACILITY SHALL SUPPLY THE WATER AT NO COST TO THE CONTRACTOR.

6. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATIONS AND PRIOR DESIGN DOCUMENTS WHERE AVAILABLE AND ARE NOT GUARANTEED. PRIOR TO BID, THE CONTRACTOR IS TO VISIT SITE TO OBSERVE THE EXISTING CONDITIONS AND CIRCUMSTANCES THAT MAY AFFECT THE WORK. NOT ALL DEVICES, TERMINATIONS, JUNCTION BOXES AND WIRING HAVE BEEN SHOWN. CONTRACTOR SHALL COORDINATE WITH DIRECTOR'S REPRESENTATIVE PRIOR TO PERFORMING WORK.

7. CLEANING, SCRAPING, AND REPAIR OF ASSUMED ACM ON THE WALLS, CEILINGS, FLOORS AND THE INSULATED AND PAINTED PIPING WITHIN THE STRUCTURE IS REQUIRED AS PART OF THE WORK. CONSIDER REMEDIATION WASTE AS ASBESTOS CONTAMINATED WASTE WITH THE EXCEPTION OF SPECIFIC ITEMS THAT CAN BE DECONTAMINATED IN ACCORDANCE WITH ICR-56. ASBESTOS WASTE MUST BE CONSIDERED REGULATED ASBESTOS CONTAINING MATERIALS (RACM).

8. REMOVAL AND STORAGE OF MOVEABLE OBJECTS FROM WORK AREAS SHALL BE COORDINATED WITH THE FACILITY REPRESENTATIVE, IN COORDINATION WITH THE DIRECTOR'S REPRESENTATIVE. PRE-CLEAN ITEMS THAT ARE SCHEDULED FOR REMOVAL FROM THE WORK AREAS.

9. SUSPECT ACM TO BE IMPACTED BY THE SCOPE OF THE WORK, INCLUDING BUT NOT LIMITED TO PLASTER, THERMAL SYSTEMS INSULATION (TSI), MASTIC, CEILING AND FLOOR TILE, SILVER PAINT, IS PACM UNLESS SPECIFICALLY STATED OTHERWISE IN THE ASBESTOS SURVEY (TO BE COMPLETED).

10. ROOM IDENTIFICATION NUMBERS ON DRAWINGS MAY NOT MATCH ROOM NUMBERS POSTED ON DOORS AT FACILITY. DOORS HAVE BEEN MOVED/RELOCATED AND SHALL NOT BE RELIED UPON TO IDENTIFY AREAS DESIGNATED FOR REMEDIATION UNDER THE SCOPE OF THIS PROJECT. CONTRACTOR SHALL REFER TO CONTRACT DRAWINGS FOR IDENTIFICATION OF SPACES/ROOMS TO REMEDIATE.

POLLUTION PREVENTION MEASURES:

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING MEASURES TO PREVENT LITTER, CHEMICALS AND DEBRIS FROM ENTERING THE STORM DRAINS AND DISCHARGES FROM THE SITE OR INTO SENSITIVE AREAS.

1. PROPERLY CONTAIN AND DISPOSE ALL MATERIALS USED ON SITE.

2. CLEAN UP SPILLS IMMEDIATELY TO MINIMIZE SAFETY HAZARD AND PREVENT SPREADING.

3. CONTROL LITTER BY SWEEPING AND PICKING IT UP DAILY. FOR AREAS THAT ARE SCHEDULED FOR REMEDIATION OF LEAD-CONTAINING DUST, DO NOT CONDUCT SWEEPING PRIOR TO OR DURING PERFORMANCE OF THE LEAD REMEDIATION.

4. DO NOT STORE FUEL OR PETROLEUM PRODUCTS ON-SITE.

5. PRACTICE GOOD HOUSEKEEPING AND EDUCATE EMPLOYEES ON POLLUTION PREVENTION MEASURES.

   a. STORE ON-SITE MATERIALS AND CHEMICALS IN A NEAT AND ORDERLY MANNER AND IN AREAS DESIGNATED FOR SUCH STORAGE.
   b. DISPOSE GARBAGE, RUBBISH, CONSTRUCTION AND SANITARY WASTE ROUTINELY.
   c. IMMEDIATELY CLEAN UP ANY SPILLS.
   d. IMMEDIATELY CLEAN UP ANY SEDIMENTS OR WASTE TRACKED ONTO PUBLIC HIGHWAYS OR TRANSPORTED ONTO ADJACENT PROPERTIES.
   e. USE DUST CONTROL METHODS.

6. FOR CONSTRUCTION WASTE:

   a. DESIGNATE A WASTE COLLECTION AREA.
   b. PROVIDE AN ADEQUATE NUMBER OF CONTAINERS WITH LIDS OR COVERS THAT CAN BE PLACED OVER CONTAINERS PRIOR TO RAINFALL.
   c. ARRANGE FOR WASTE COLLECTION ON A ROUTINE BASIS AND PRIOR TO CONTAINER OVERFLOW.
   d. IF A CONTAINER DOES SPILL, CLEAN UP IMMEDIATELY.
   e. CONSTRUCTION WASTE SHALL BE COLLECTED, REMOVED AND DISPOSED OF IN APPROVED DISPOSAL AREAS.
   f. DISPOSAL METHODS SHALL MEET THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL REQUIREMENTS.

MAINTENANCE & PROTECTION OF TRAFFIC:

1. THE CONTRACTOR SHALL KEEP TO A MINIMUM, MOVEMENTS OF CONSTRUCTION VEHICLES AND EQUIPMENT IN AND OUT OF DESIGNATED ACCESS AREAS. ONLY NECESSARY OR AUTHORIZED VEHICLES AS DETERMINED BY THE DIRECTOR'S REPRESENTATIVE SHALL BE ALLOWED TO ENTER WORK AREA.

2. ALL MATERIALS, EQUIPMENT AND/OR VEHICLES TO BE STORED OR PARKED ON SITE SHALL BE WITHIN LIMITS AS DIRECTED BY THE DIRECTOR'S REPRESENTATIVE.

REMEDIATION NOTES:

1. LEAD REMEDIATION WHERE SUSPECT ACM (I.E., PACM) ARE LOCATED AND IMPACTED BY THE PROJECT, SHALL BE COMPLETED PER APPLICABLE REGULATORY REQUIREMENTS AS AN ASBESTOS PROJECT. WHEREVER MULTIPLE REQUIREMENTS APPLY, THE MORE STRINGENT SHALL BE USED. ASBESTOS PROJECTS INCLUDE ENCAPSULATION (SECTION 099101) OR ENCLOSURE OF PACM, IN ADDITION TO REMOVAL, REPAIR, OR OTHER MEANS OF DISTURBANCE.

2. ESTABLISH CLEAN AREAS FOR STORAGE/STAGING OF CLEAN MATERIALS AND PRIMARY ROUTES OF ENTRY FOR PERSONNEL, EQUIPMENT AND MATERIALS TO MINIMIZE THE CONTINUED TRANSPORT OF LEAD DUST FROM UNREMEDIATED AREAS OF THE FACILITY TO CLEANED/REMEDIATED AREAS OF THE FACILITY.

3. COORDINATE SEQUENCING OF WORK AREAS AND ACCESSIBILITY/SECURITY LIMITATIONS PRIOR TO INITIATION OF WORK WITH DIRECTOR'S REPRESENTATIVE.

4. COORDINATE SEQUENCING OF WORK TO MINIMIZE LEAD DUST MIGRATION AND/OR CROSS-CONTAMINATION OF UNIMPACTED OR PREVIOUSLY CLEANED/REMEDIATED AREAS.

5. ALL WORK AREAS SHALL BE PREPPED AND LABELED PER THE SPECIFICATIONS, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATORY REQUIREMENTS, PRIOR TO INITIATING REMEDIATION WORK.

6. LEAD DUST REMEDIATION WORK NOT SUBJECT TO ASBESTOS REGULATIONS SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND APPLICABLE REGULATORY REQUIREMENTS FOR LEAD ABATEMENT AND/OR LEAD RENOVATION, REPAIR AND REPAINTING (RRP), WHICHEVER IS MORE STRINGENT.

7. LEAD DUST REMEDIATION WASTE SHALL NOT BE COMBINED WITH LEAD-CONTAINING RACM WASTE UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE.

8. IN AREAS WHERE LEAD REMEDIATION IS NOT SPECIFIED, AND FASTENERS OR WALL PENETRATIONS ARE REQUIRED (E.G., FOR CONTAINMENT CONSTRUCTION, OR SECURING TEMPORARY ENCLOSURES), PLACE DROP CLOTHS BELOW WORK PRIOR TO INITIATING, TO CONTAIN DUST. USE USEPA RRP METHODS AND CLEAN ANY DUST GENERATED VIA WET WIPING AND HEPA VACUUMING. AVOID CAUSING DAMAGE TO SUSPECT LBP SURFACES, AND AVOID USING ADHESIVE TAPES ON SUSPECT LBP SURFACES. SEE SECTION 028303 FOR CLEANING AND DAMAGE REQUIREMENTS.

9. TEMPORARY COVERING OF FIRE PROTECTION DEVICES. COVERINGS PLACED ON OR OVER FIRE PROTECTION DEVICES TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION PROCESSES SHALL BE IMMEDIATELY REMOVED UPON THE COMPLETION OF THE CONSTRUCTION PROCESSES IN THE ROOM OR AREA IN WHICH THE DEVICES ARE INSTALLED. WHEN IMPAIRED EQUIPMENT IS RESTORED TO NORMAL WORKING ORDER, THE CONTRACTOR SHALL VERIFY THAT ALL OF THE FOLLOWING PROCEDURES HAVE BEEN IMPLEMENTED:

   a. INSPECTIONS & TESTS HAVE BEEN CONDUCTED TO VERIFY THAT AFFECTED SYSTEMS ARE OPERATIONAL.
   b. THE DIRECTOR'S REPRESENTATIVE HAVE BEEN ADVISED THAT PROTECTION IS RESTORED.
   c. THE IMPAIRMENT TAG HAS BEEN REMOVED.

10. SYSTEMS OUT OF SERVICE. WHERE A REQUIRED FIRE PROTECTION SYSTEM IS OUT OF SERVICE, THE FIRE DEPARTMENT AND THE CODE ENFORCEMENT OFFICIAL SHALL BE NOTIFIED IMMEDIATELY AND, WHERE REQUIRED BY THE CODE ENFORCEMENT OFFICIAL, THE BUILDING SHALL EITHER BE EVACUATED OR AN APPROVED FIRE WATCH SHALL BE PROVIDED FOR ALL OCCUPANTS LEFT UNPROTECTED BY THE SHUT DOWN UNTIL THE FIRE PROTECTION SYSTEM HAS BEEN RETURNED TO SERVICE.

11. CLEARANCE OF WORK AREAS SHALL BE COMPLETED PER SECTIONS 028213-ASBESTOS ABATEMENT AND 028303-ABATEMENT OF LEAD CONTAINING MATERIALS, PRIOR TO RE-OCCUPANCY AND/OR PUT BACK WORK.

VISIT TO THE SITE:

PROSPECTIVE BIDDERS SHALL ATTEND A MANDATORY PRE-BID SITE VISIT TO DISCUSS THE SCOPE OF WORK, TAKE FIELD MEASUREMENTS AND EXAMINE EXISTING CONDITIONS OF THE PROJECT AREA. THIS IS A MANDATORY PRE-BID VISIT. PROSPECTIVE BIDDERS MUST VISIT THE SITE AT THE STIPULATED TIME AS A CONDITION OF THEIR BID. FAILURE TO ATTEND MAY RESULT IN THE REJECTION OF ANY BID RECEIVED AT THE DISCRETION OF THE OWNER. PROSPECTIVE BIDDERS OR THEIR REPRESENTATIVES ATTENDING THE PRE-BID SITE VISIT WILL NOT BE ADMITTED ON FACILITY GROUNDS WITHOUT PROPER PHOTO IDENTIFICATION. PARKING RESTRICTIONS AND SECURITY PROVISIONS WILL APPLY AND VEHICLES WILL BE SUBJECT TO SEARCH. THE DATE, TIME, LOCATION OF THE PRE-BID SITE VISIT, AND THE PHONE NUMBER ARE INCLUDED IN THE ADVERTISEMENT FOR BIDS.

BIDDERS SHALL ATTEND THE PRE-BID SITE VISIT TO ASSESS THE FOLLOWING PROJECT CONDITIONS OR QUALITY STANDARDS:

- EVALUATE INTERIOR PROJECT AREA CONDITIONS, INCLUDING ROOMS, MATERIALS/SUBSTRATES TO BE REMEDIATED, AND SCOPE OF WORK.
- CONFIRM ESTIMATED QUANTITIES.
- IDENTIFY ENVIRONMENTALLY-REGULATED MATERIALS ASSOCIATED WITH COMPLETION OF THE WORK (INCLUDING, BUT NOT LIMITED TO, ASBESTOS (PACM) AND LBP), AND STORED MATERIALS TO BE INCLUDED WITH THE WORK.
- EVALUATE PROJECT SUPPORT AREA AVAILABLE, BUILDING ACCESS (AND ASSOCIATED ACCESS LIMITATIONS ASSOCIATED WITH SECURITY AND WEAPONS STORAGE ON SITE).
- BE ADVISED OF ALLOWABLE WORK SCHEDULE AND SUBSTANTIAL COMPLETION REQUIREMENTS.
- GENERALLY, FAMILIARIZE THEMSELVES WITH THE ENTIRETY OF THE SCOPE OF WORK.
- NO CONTRACTOR VISITS WILL BE ALLOWED OUTSIDE THE SCHEDULED PRE-BID VISIT.

PHONE A MINIMUM OF 24 HOURS IN ADVANCE OF THE PRE-BID SITE VISIT WITH THE NAMES OF THOSE WHO WILL ATTEND.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

WARNING:

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STATE OF NEW YORK · MAUREEN T HOKE · LICENSED PROFESSIONAL ENGINEER · 074127 · 08/17/17

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

NOT TO SCALE

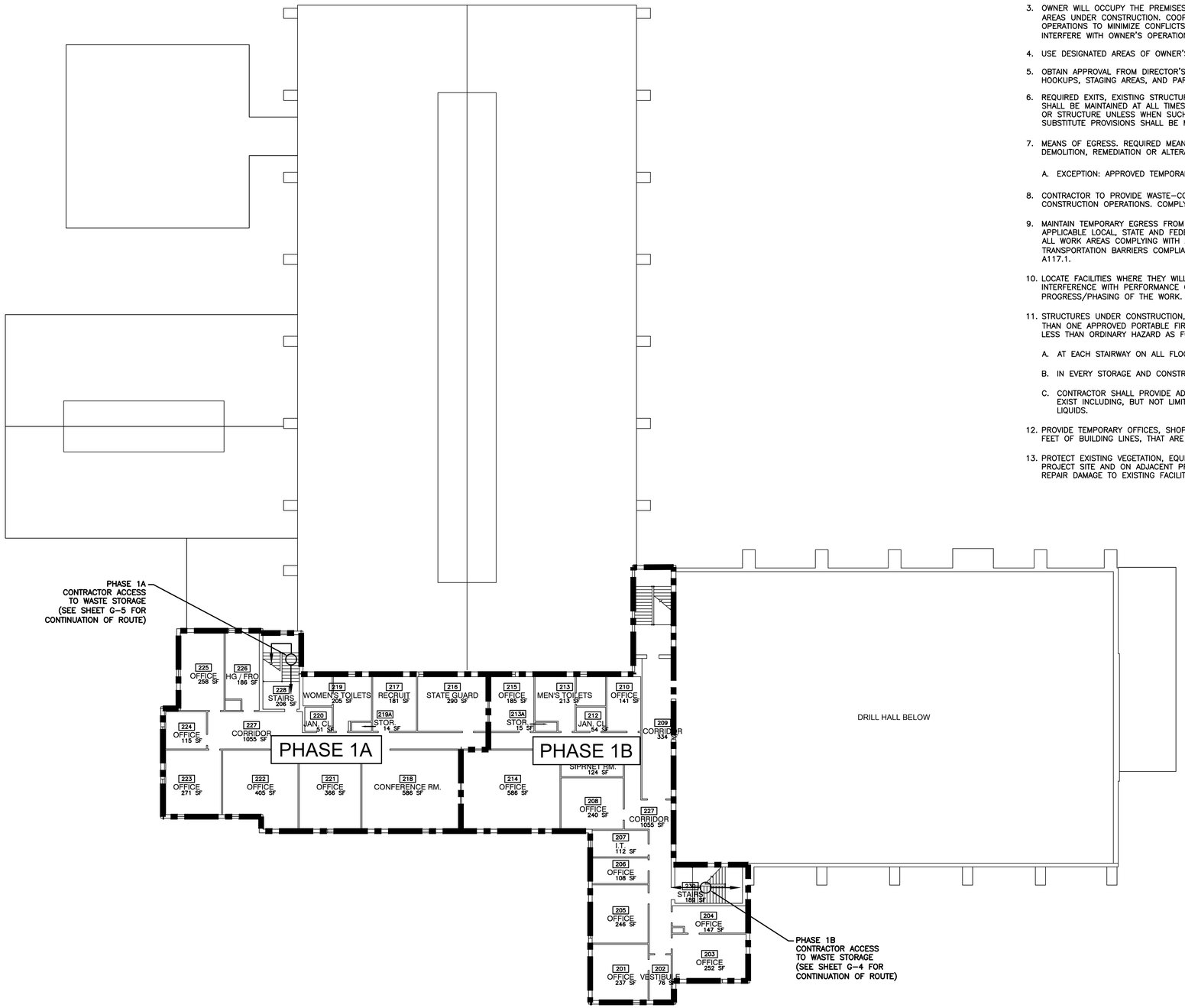
MARK	DATE	DESCRIPTION
3	08/17/2017	ADDENDUM 2
2	07/18/2017	FINAL SUBMITTAL
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: GENERAL NOTES

DRAWING NUMBER: G-2

SHEET 2 OF 12



SECOND FLOOR PHASING PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

PHASING PLAN NOTES:

1. THE WORK SHALL BE CONDUCTED IN PHASES, AS INDICATED, IN SEQUENCE. BEFORE COMMENCING WORK OF EACH PHASE, SUBMIT AN UPDATED COPY OF CONTRACTOR'S CONSTRUCTION SCHEDULE TO THE DIRECTOR'S REPRESENTATIVE SHOWING THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, AND MOVE-OUT AND -IN DATES OF OWNER'S PERSONNEL FOR ALL PHASES OF THE WORK. CONTRACTOR SHALL NOT OCCUPY GREATER THAN 50% OF TOTAL SQUARE FOOTAGE OF ANY GIVEN SIMILAR SPACE USE (E.G. OFFICE, STORAGE, ETC.) IN ANY SINGLE PHASE OF WORK.
2. LIMIT USE OF PROJECT SITE TO WORK IN AREAS WITHIN THE CONTRACT LIMITS INDICATED. DO NOT DISTURB PORTIONS OF PROJECT SITE BEYOND AREAS IN WHICH THE WORK IS INDICATED.
3. OWNER WILL OCCUPY THE PREMISES DURING ENTIRE CONSTRUCTION PERIOD, WITH THE EXCEPTION OF AREAS UNDER CONSTRUCTION. COOPERATE WITH DIRECTOR'S REPRESENTATIVE DURING CONSTRUCTION OPERATIONS TO MINIMIZE CONFLICTS AND FACILITATE OWNER USAGE. PERFORM THE WORK SO AS NOT TO INTERFERE WITH OWNER'S OPERATIONS. MAINTAIN EXISTING EXITS UNLESS OTHERWISE INDICATED.
4. USE DESIGNATED AREAS OF OWNER'S EXISTING PARKING AREAS FOR CONSTRUCTION PERSONNEL.
5. OBTAIN APPROVAL FROM DIRECTOR'S REPRESENTATIVE FOR LOCATION OF TEMPORARY FACILITIES, UTILITY HOOKUPS, STAGING AREAS, AND PARKING AREAS FOR CONSTRUCTION PERSONNEL.
6. REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES DURING REMEDIATION, ALTERATIONS, OR REPAIRS TO ANY BUILDING OR STRUCTURE UNLESS WHEN SUCH REQUIRED ELEMENTS OR DEVICES ARE BEING AFFECTED, ADEQUATE SUBSTITUTE PROVISIONS SHALL BE MADE.
7. MEANS OF EGRESS. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, REMEDIATION OR ALTERATIONS TO ANY BUILDING.
   A. EXCEPTION: APPROVED TEMPORARY MEANS OF EGRESS SYSTEMS AND FACILITIES.
8. CONTRACTOR TO PROVIDE WASTE-COLLECTION CONTAINERS IN SIZES ADEQUATE TO HANDLE WASTE FROM CONSTRUCTION OPERATIONS. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
9. MAINTAIN TEMPORARY EGRESS FROM EXISTING OCCUPIED FACILITIES AS INDICATED AND AS REQUIRED BY APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS. PROVIDE ACCESSIBLE TEMPORARY EGRESS IN ALL WORK AREAS COMPLYING WITH APPLICABLE PROVISIONS IN THE U.S. ARCHITECTURAL & TRANSPORTATION BARRIERS COMPLIANCE BOARD'S ADA-ABA ACCESSIBILITY GUIDELINES AND ICC/ANSI A117.1.
10. LOCATE FACILITIES WHERE THEY WILL SERVE PROJECT ADEQUATELY AND RESULT IN MINIMUM INTERFERENCE WITH PERFORMANCE OF THE WORK. RELOCATE AND MODIFY FACILITIES AS REQUIRED BY PROGRESS/PHASING OF THE WORK.
11. STRUCTURES UNDER CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NOT LESS THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER IN ACCORDANCE WITH §F906 AND SIZED FOR NOT LESS THAN ORDINARY HAZARD AS FOLLOWS:
   A. AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED.
   B. IN EVERY STORAGE AND CONSTRUCTION SHED.
   C. CONTRACTOR SHALL PROVIDE ADDITIONAL PORTABLE FIRE EXTINGUISHERS WHERE SPECIAL HAZARDS EXIST INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.
12. PROVIDE TEMPORARY OFFICES, SHOPS, AND SHEDS, LOCATED WITHIN CONSTRUCTION AREA OR WITHIN 30 FEET OF BUILDING LINES, THAT ARE NONCOMBUSTIBLE ACCORDING TO ASTM E 136.
13. PROTECT EXISTING VEGETATION, EQUIPMENT, STRUCTURES, UTILITIES, AND OTHER IMPROVEMENTS AT PROJECT SITE AND ON ADJACENT PROPERTIES, EXCEPT THOSE INDICATED TO BE REMOVED OR ALTERED. REPAIR DAMAGE TO EXISTING FACILITIES.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T. HOKE · 074127 · 08/17/17 · LICENSED PROFESSIONAL ENGINEER

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

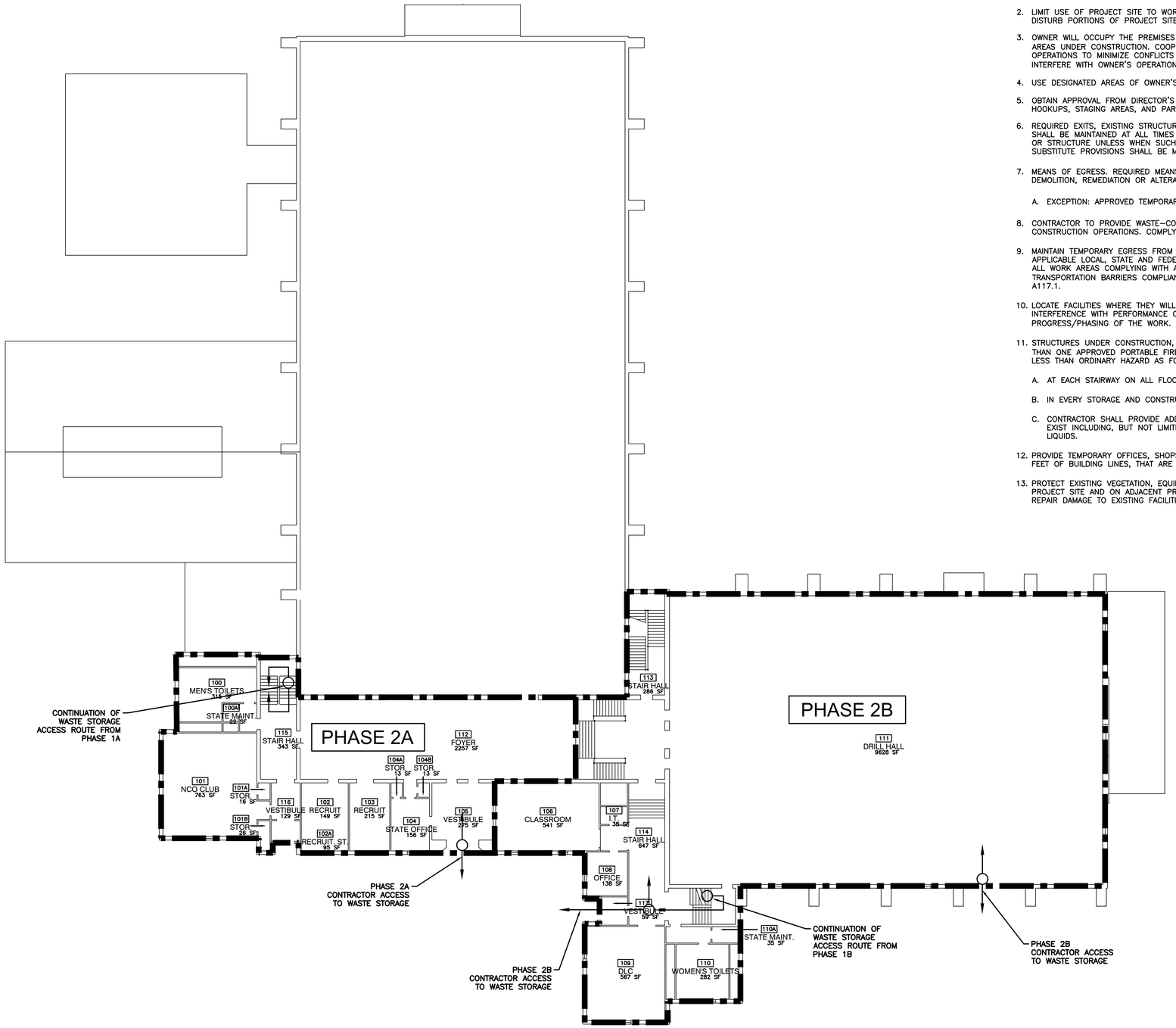
MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION-SECOND FLOOR PHASING PLAN

DRAWING NUMBER: G-3

SHEET 3 OF 12



FIRST FLOOR PHASING PLAN

SCALE 1" = 15' 15' 0 15'

PHASING PLAN NOTES:

1. THE WORK SHALL BE CONDUCTED IN PHASES, AS INDICATED, IN SEQUENCE. BEFORE COMMENCING WORK OF EACH PHASE, SUBMIT AN UPDATED COPY OF CONTRACTOR'S CONSTRUCTION SCHEDULE TO THE DIRECTOR'S REPRESENTATIVE SHOWING THE SEQUENCE, COMMENCEMENT AND COMPLETION DATES, AND MOVE–OUT AND –IN DATES OF OWNER'S PERSONNEL FOR ALL PHASES OF THE WORK. CONTRACTOR SHALL NOT OCCUPY GREATER THAN 50% OF TOTAL SQUARE FOOTAGE OF ANY GIVEN SIMILAR SPACE USE (E.G. OFFICE, STORAGE, ETC.) IN ANY SINGLE PHASE OF WORK.
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NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

WARNING:

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STATE OF NEW YORK · MAUREEN T HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER · 08/17/17

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445–00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

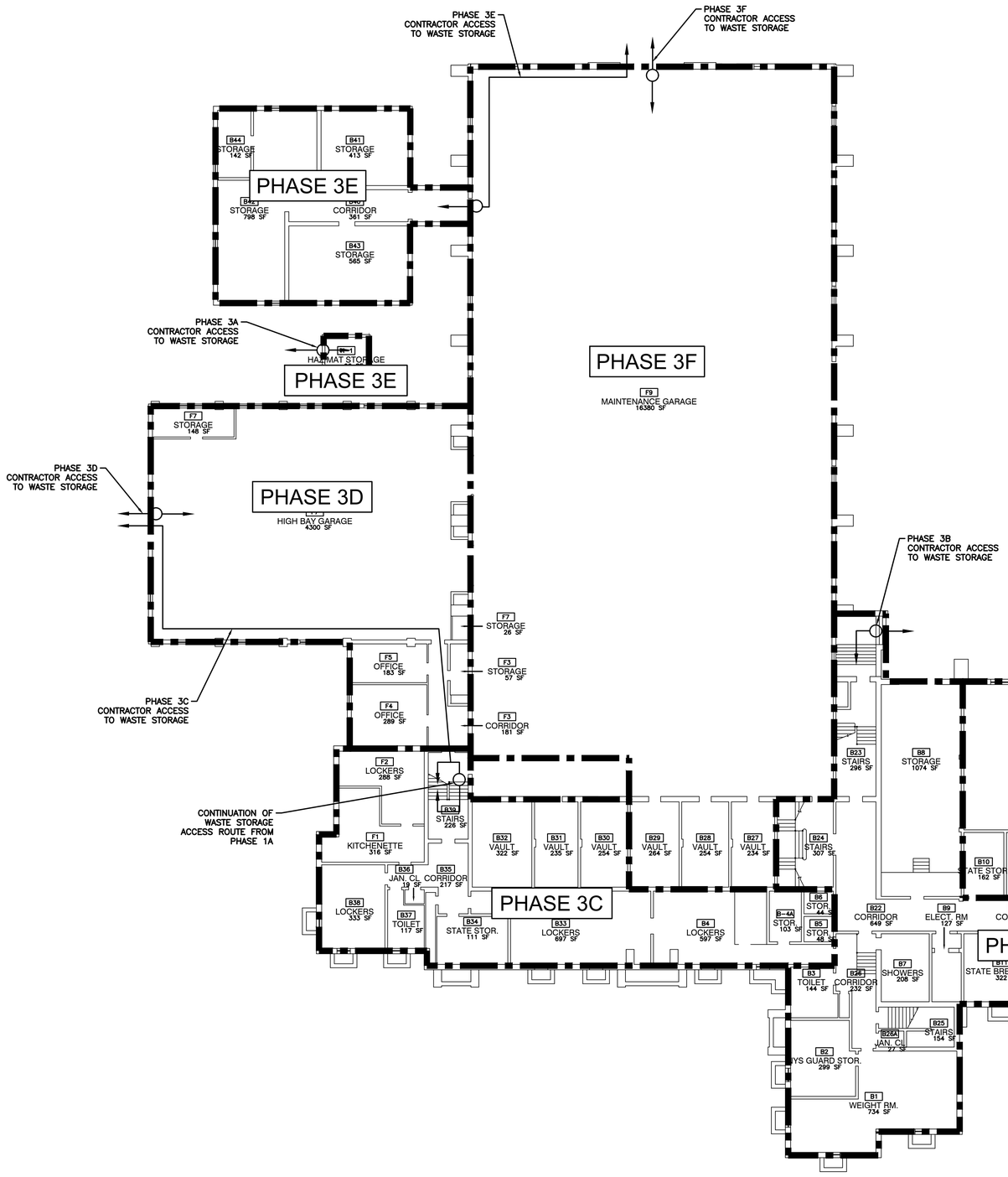
MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606–C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION–FIRST FLOOR PHASING PLAN

DRAWING NUMBER: G–4

SHEET 4 OF 12



BASEMENT PHASING PLAN

SCALE 1" = 15'

15' 0 15'

TRUE NORTH

PHASING PLAN NOTES:

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13. PROTECT EXISTING VEGETATION, EQUIPMENT, STRUCTURES, UTILITIES, AND OTHER IMPROVEMENTS AT PROJECT SITE AND ON ADJACENT PROPERTIES, EXCEPT THOSE INDICATED TO BE REMOVED OR ALTERED. REPAIR DAMAGE TO EXISTING FACILITIES.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T HOKE · LICENSED PROFESSIONAL ENGINEER · 074127 · 08/17/17

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36A45–00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

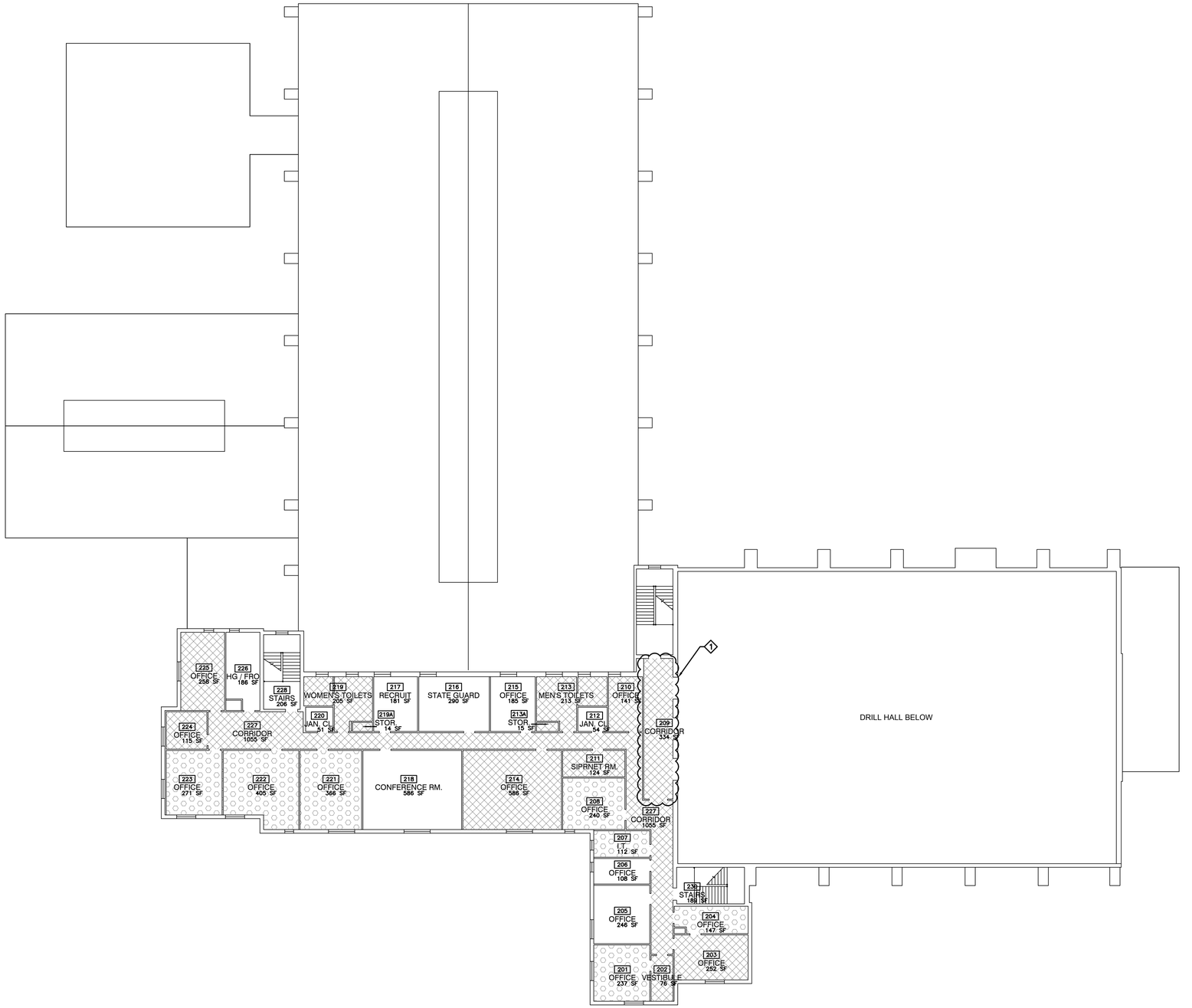
PROJECT NUMBER:	45606–C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION–BASEMENT PHASING PLAN

DRAWING NUMBER: G–5

SHEET 5 OF 12

Aug 17,2017 – 2:33pm
I:\Vys–Oga,2069\65924.03–Dmna–Bing–AA\Docs\DWG\Sheets\65924.005–G005.dwg
36x24 PLOT SHEET



FLOOR SURFACES - SECOND FLOOR PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

LEGEND

HEPA VACUUM, WET WIPE, HEPA VACUUM EXISTING FLOOR TILE (ACM TILE/MASTIC). (3,397 SF)

REMOVE EXISTING CARPET (ACM MASTIC), CHEMICALLY STRIP ACM MASTIC, HEPA VACUUM SUB FLOOR, WET WIPE, HEPA VACUUM, THEN INSTALL NEW CARPET. (1,785 SF)

TREATMENT LOCATION KEY

1 REPAIR APPROXIMATELY 1 SF (TOTAL) OF DAMAGED FLOOR TILE (ACM TILE/MASTIC) USING EPOXY FILLER TO MATCH EXISTING, SURROUNDING FLOOR LEVEL. (1 SF TOTAL)

NOTES:

1. FLOOR PLANS PROVIDED BY NYSOGS.
2. QUANTITIES SHOWN IN PARENTHESIS ARE APPROXIMATE AND PROVIDED FOR INITIAL BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL INSPECT THE PROPOSED WORK AND CONFIRM QUANTITIES DURING THE MANDATORY PRE-BID SITE VISIT.
3. COORDINATE WORK SHOWN ON THIS SHEET WITH OTHER WORK SHOWN ON SHEET H-102. SEQUENCE EACH PHASE OF CLEANING IN A TOP-DOWN MANNER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

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OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
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2	08/17/2017	ADDENDUM 2
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0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION – FLOOR SURFACES – SECOND FLOOR PLAN

DRAWING NUMBER: H-101

SHEET 6 OF 12

Aug 17,2017 - 2:33pm
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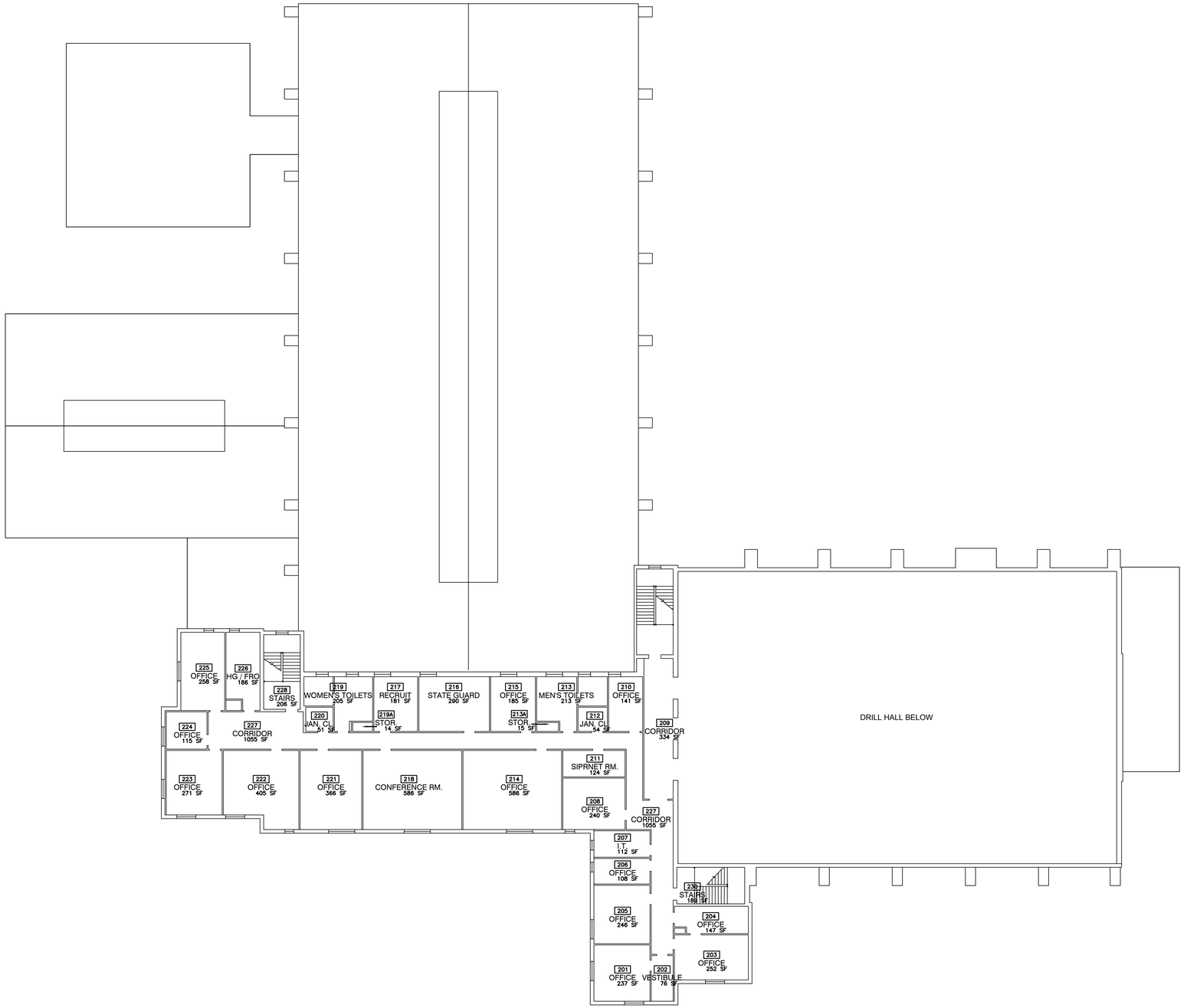
36x24 PLOT SHEET



STAIRS AND ELEVATED SURFACES - SECOND FLOOR PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

NOTES:

1. REMOVAL AND STORAGE OF MOVEABLE OBJECTS FROM WORK AREAS SHALL BE COORDINATED WITH THE FACILITY REPRESENTATIVE AND THE DIRECTOR'S REPRESENTATIVE. PRE-CLEAN ITEMS THAT ARE SCHEDULED FOR REMOVAL FROM THE WORK AREAS PER SECTION 028303.
2. CHEMICAL STRIP ALL SECOND FLOOR WINDOW SILLS (METAL) AND CASINGS, THEN RESURFACE. (28 WINDOWS)
3. SCRAPE ALL BROWN-PAINTED STAIR RISERS AND BLACK-PAINTED NEWEL POSTS OF PEELING/DAMAGED/DETERIORATED PAINT, THEN REPAINT.
4. CHEMICALLY STRIP EXISTING METAL DOOR FRAMES AND REFINISH TO MATCH SURROUNDING. (33 DOORS)
5. FLOOR PLANS PROVIDED BY NYSOGS.
6. QUANTITIES SHOWN IN PARENTHESIS ARE APPROXIMATE AND PROVIDED FOR INITIAL BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL INSPECT THE PROPOSED WORK AND CONFIRM QUANTITIES DURING THE MANDATORY PRE-BID SITE VISIT.
7. COORDINATE WORK SHOWN ON THIS SHEET WITH OTHER WORK SHOWN ON SHEET H-101. SEQUENCE EACH PHASE OF CLEANING IN A TOP-DOWN MANNER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

WARNING:

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.

STATE OF NEW YORK · MAUREEN T HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER · 08/17/17

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

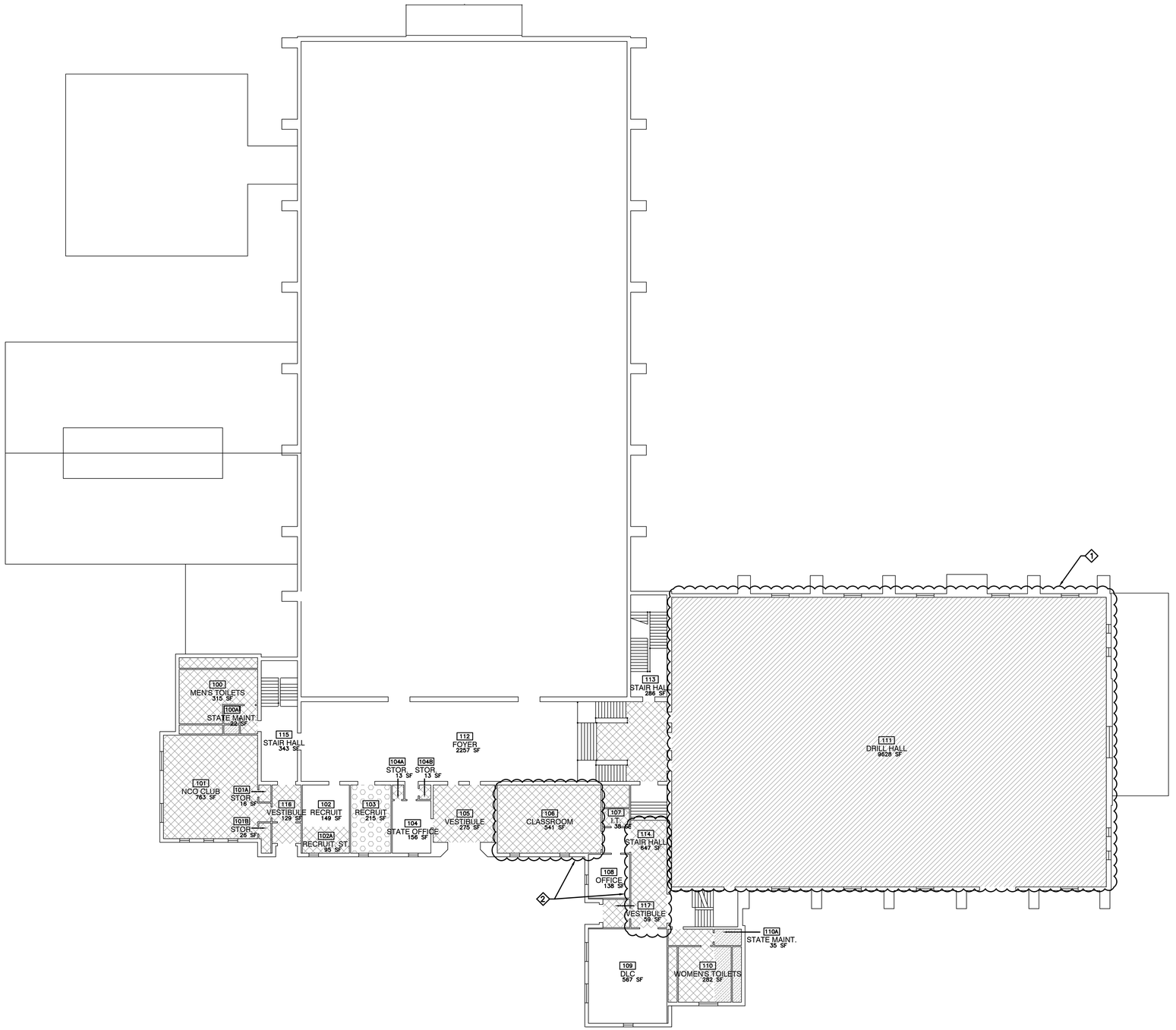
MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION – STAIRS AND ELEVATED SURFACES – SECOND FLOOR PLAN

DRAWING NUMBER: H-102

SHEET 7 OF 12



FLOOR SURFACES - FIRST FLOOR PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

LEGEND

- HEPA VACUUM, WET WIPE, PREPARE SURFACE, THEN RE-APPLY POLYURETHANE OVER EXISTING WOOD FLOOR. (9,600 SF)
- HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN APPLY TYPE EC EPOXY (SECTION 096723). (185 SF)
- HEPA VACUUM, WET WIPE, HEPA VACUUM EXISTING FLOOR TILE (ACM TILE). (3,316 SF)
- REMOVE EXISTING CARPET (ACM MASTIC), CHEMICALLY STRIP ACM MASTIC, HEPA VACUUM SUB FLOOR, WET WIPE, HEPA VACUUM, THEN INSTALL NEW CARPET. (210 SF)

TREATMENT LOCATION KEY

1. REPAIR APPROXIMATELY 75 SF (TOTAL) OF DAMAGED FLOOR SURFACE USING EPOXY FILLER TO MATCH EXISTING, SURROUNDING FLOOR LEVEL, PRIOR TO APPLICATION OF FINAL POLYURETHANE COAT ON SURROUNDING FLOOR. (75 SF TOTAL)
2. REPAIR APPROXIMATELY 1 SF (TOTAL) OF DAMAGED FLOOR TILE (ACM TILE) USING EPOXY FILLER TO MATCH EXISTING, SURROUNDING FLOOR LEVEL. (1 SF TOTAL)

NOTES:

1. FLOOR PLANS PROVIDED BY NYSOGS.
2. QUANTITIES SHOWN IN PARENTHESIS ARE APPROXIMATE AND PROVIDED FOR INITIAL BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL INSPECT THE PROPOSED WORK AND CONFIRM QUANTITIES DURING THE MANDATORY PRE-BID SITE VISIT.
3. COORDINATE WORK SHOWN ON THIS SHEET WITH OTHER WORK SHOWN ON SHEET H-104. SEQUENCE EACH PHASE OF CLEANING IN A TOP-DOWN MANNER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T. HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER · 08/17/17

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

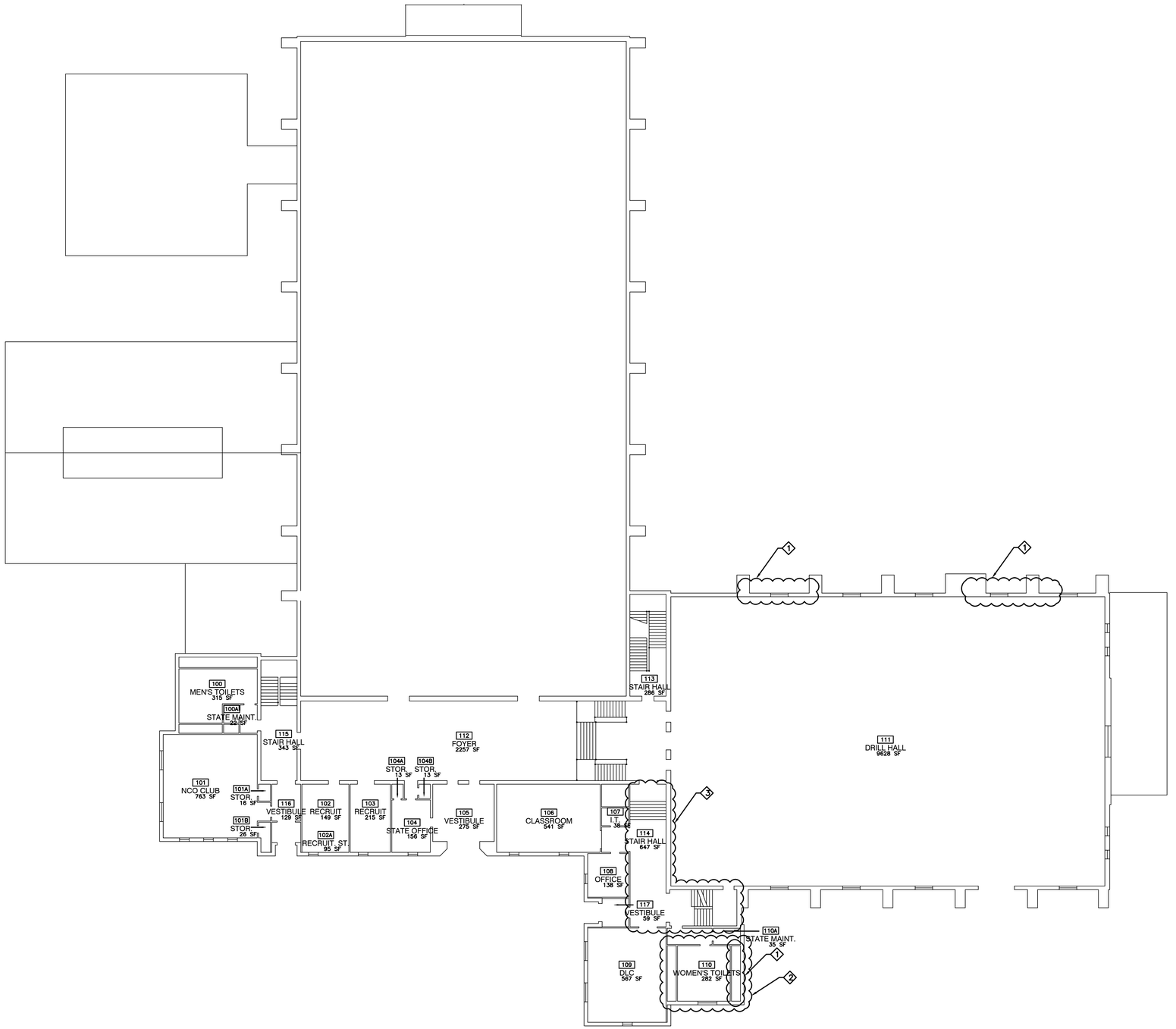
MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION – FLOOR SURFACES – FIRST FLOOR PLAN

DRAWING NUMBER: H-103

SHEET 8 OF 12



STAIRS AND ELEVATED SURFACES - FIRST FLOOR PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

TREATMENT LOCATION KEY

1. SCRAPE DAMAGED/DETERIORATED/PEELING PAINT ON WALLS, HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN REPAINT TO MATCH EXISTING SURFACES. (450 SF WALL)
2. SCRAPE DAMAGED/DETERIORATED/PEELING PAINT ON CEILINGS, HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN REPAINT TO MATCH EXISTING SURFACES. (262 SF)
3. HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN APPLY EPOXY ON FLOOR/LANDINGS WITHIN STAIRWELLS. (EXCLUDING STAIR TREADS: TREADS TO RECEIVE CLEANING ONLY.) (647 SF)

NOTES:

1. REMOVAL AND STORAGE OF MOVEABLE OBJECTS FROM WORK AREAS SHALL BE COORDINATED WITH THE FACILITY REPRESENTATIVE AND THE DIRECTOR'S REPRESENTATIVE. PRE-CLEAN ITEMS THAT ARE SCHEDULED FOR REMOVAL FROM THE WORK AREAS PER SECTION 028303.
2. CHEMICAL STRIP ALL FIRST FLOOR WINDOW SILLS (METAL) AND CASINGS, THEN RESURFACE. (29 WINDOWS)
3. SCRAPE ALL BROWN-PAINTED STAIR RISERS AND BLACK-PAINTED NEWEL POSTS OF PEELING/DAMAGED/DETERIORATED PAINT, THEN REPAINT.
4. CHEMICALLY STRIP EXISTING METAL DOOR FRAMES AND REFINISHED TO MATCH SURROUNDING. (29 DOORS)
5. FLOOR PLANS PROVIDED BY NYSOGS.
6. QUANTITIES SHOWN IN PARENTHESIS ARE APPROXIMATE AND PROVIDED FOR INITIAL BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL INSPECT THE PROPOSED WORK AND CONFIRM QUANTITIES DURING THE MANDATORY PRE-BID SITE VISIT.
7. COORDINATE WORK SHOWN ON THIS SHEET WITH OTHER WORK SHOWN ON SHEET H-103. SEQUENCE EACH PHASE OF CLEANING IN A TOP-DOWN MANNER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services
DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T. HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER · 08/17/17

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

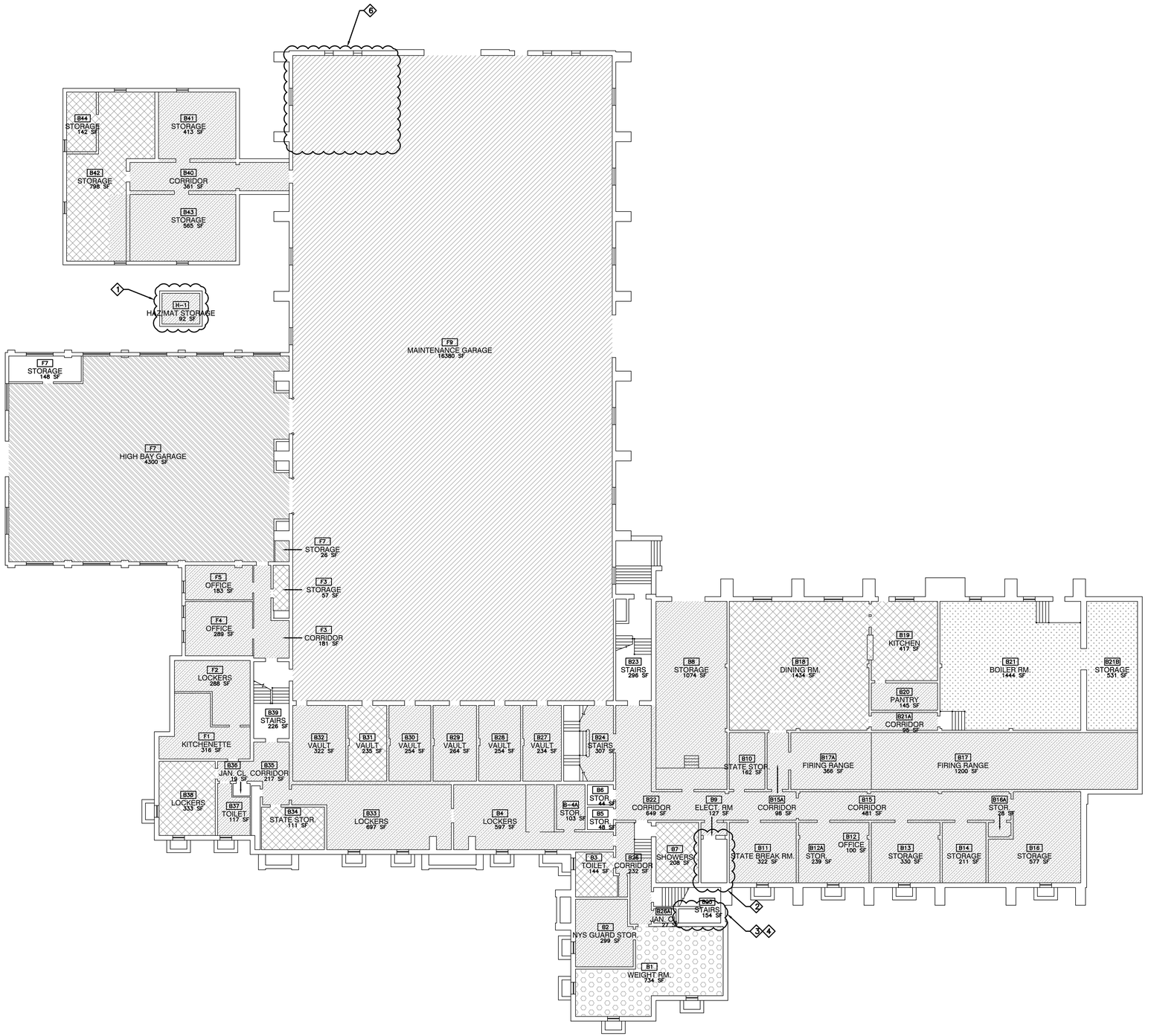
MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION – STAIRS AND ELEVATED SURFACES – FIRST FLOOR PLAN

DRAWING NUMBER: H-104

SHEET 9 OF 12



FLOOR SURFACES - BASEMENT PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

LEGEND

HEPA VACUUM, PREPARE SURFACE, THEN APPLY HEAVY DUTY TYPE ETC EPOXY (SECTION 096723). (16,380 SF)

HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN RE-EPOXY TYPE EC EPOXY (SECTION 096723). (4,326 SF)

HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN APPLY TYPE EC EPOXY (SECTION 096723). (13,103 SF)

HEPA VACUUM, WET WIPE, HEPA VACUUM EXISTING FLOOR TILE (ACM TILE). (3,909 SF)

SCRAPE PEELING/DAMAGED/DETERIORATED FLOOR PAINT, HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN APPLY TYPE EC EPOXY (SECTION 096723). (1,860 SF)

REMOVE EXISTING CARPET, HEPA VACUUM SUB FLOOR, WET WIPE, HEPA VACUUM, THEN INSTALL NEW CARPET. (732 SF)

TREATMENT LOCATION KEY

1. CONTENTS OF SHED INCLUDE STORED HAZARDOUS MATERIALS THAT SHALL BE RELOCATED, AND TEMPORARILY STORED ON-SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. RETURN CONTENTS TO ORIGINAL LOCATION UPON COMPLETION.
2. TRANSFORMER ROOM SHALL NOT BE ACCESSED OR REMEDIATED AS PART OF THIS PROJECT.
3. CLEAN AREA BENEATH STAIRS ACCESSIBLE VIA ELEVATED ACCESS DOOR IN SPACE B26A. HEPA VACUUM, PREPARE SURFACE, THEN APPLY ENCAPSULANT (SECTION 099101). (44 SF)
4. AREA BENEATH STAIRS SHALL BE CONSIDERED A CONFINED SPACE.
5. A PERMANENT STRUCTURE EXISTS HERE, COORDINATE WITH DIRECTOR'S REPRESENTATIVE TO BE SURE SHOP PERSONNEL HAVE NECESSARY ITEMS RELOCATED SO AS TO NOT INTERFERE WITH CONSTRUCTION ACCESS ROUTE.

NOTES:

1. FLOOR PLANS PROVIDED BY NYSOGS.
2. QUANTITIES SHOWN IN PARENTHESIS ARE APPROXIMATE AND PROVIDED FOR INITIAL BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL INSPECT THE PROPOSED WORK AND CONFIRM QUANTITIES DURING THE MANDATORY PRE-BID SITE VISIT.
3. COORDINATE WORK SHOWN ON THIS SHEET WITH OTHER WORK SHOWN ON SHEETS H-106 AND H-107. SEQUENCE EACH PHASE OF CLEANING IN A TOP-DOWN MANNER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION - FLOOR SURFACES - BASEMENT PLAN

DRAWING NUMBER: H-105

SHEET 10 OF 12

Aug 17,2017 - 2:33pm
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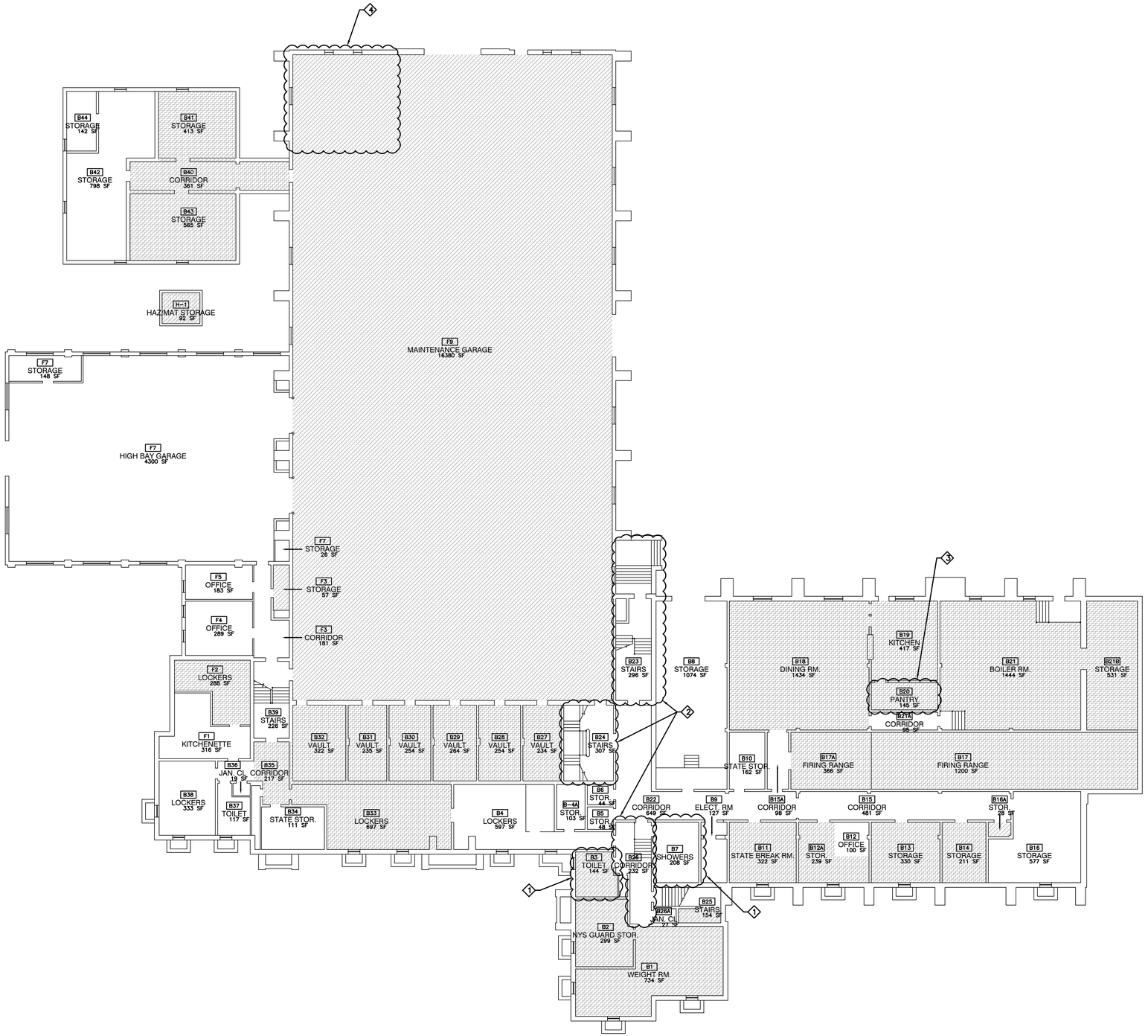
36x24 PLOT SHEET



STAIRS AND ELEVATED SURFACES - BASEMENT PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

LEGEND

HEPA VACUUM, WET WIPE, HEPA VACUUM WALL, THEN ENCAPSULATE EXISTING BRICK WALL(S) (SECTION 099101). (16,650 SF WALL)

SCRAPE PEELING/DAMAGED/DETERIORATED PAINT, HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN ENCAPSULATE WALL (SECTION 099101). (16,320 SF WALL)

TREATMENT LOCATION KEY

1. DAMAGED PLASTER WALLS, COATED WITH LBP PRESENT, SCRAPE PEELING/DAMAGED/DETERIORATED PAINT. REPAIR PLASTER WALLS TO MATCH EXISTING SURFACE. HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN RE-PAINT. (236 SF)
2. HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN APPLY EPOXY ON FLOOR/LANDINGS WITHIN STAIRWELLS. (EXCLUDING STAIR TREADS: TREADS TO RECEIVE CLEANING ONLY.) (781 SF)
3. REMOVE AND REPLACE EXISTING METAL CABINETRY/COUNTER TOPS IN THIS AREA WITH LOCKABLE UNITS. (32 SF)
4. A PERMANENT STRUCTURE EXISTS HERE. COORDINATE WITH DIRECTOR'S REPRESENTATIVE TO BE SURE SHOP PERSONNEL HAVE NECESSARY ITEMS RELOCATED SO AS TO NOT INTERFERE WITH CONSTRUCTION ACCESS ROUTE.

NOTES:

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2. SCRAPE PEELING/DETERIORATED PAINT, CHEMICALLY STRIP, THEN REPAINT TO MATCH EXISTING ALL BASEMENT WINDOWS (PACM). REMOVE AND REPLACE EXISTING WINDOW SILLS (METAL). CHEMICALLY STRIP EXISTING WINDOW TRIM AND REFINISH TO MATCH SURROUNDING. (53 WINDOWS)
3. SCRAPE ALL BROWN-PAINTED STAIR RISERS AND BLACK-PAINTED NEWEL POSTS OF PEELING/DAMAGED/DETERIORATED PAINT, THEN REPAINT.
4. CHEMICALLY STRIP EXISTING METAL DOOR FRAMES AND REFINISH TO MATCH SURROUNDING.
5. FLOOR PLANS PROVIDED BY NYSOGS.
6. QUANTITIES SHOWN IN PARENTHESIS ARE APPROXIMATE AND PROVIDED FOR INITIAL BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL INSPECT THE PROPOSED WORK AND CONFIRM QUANTITIES DURING THE MANDATORY PRE-BID SITE VISIT.
7. COORDINATE WORK SHOWN ON THIS SHEET WITH OTHER WORK SHOWN ON SHEETS H-105 AND H-107. SEQUENCE EACH PHASE OF CLEANING IN A TOP-DOWN MANNER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T. HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

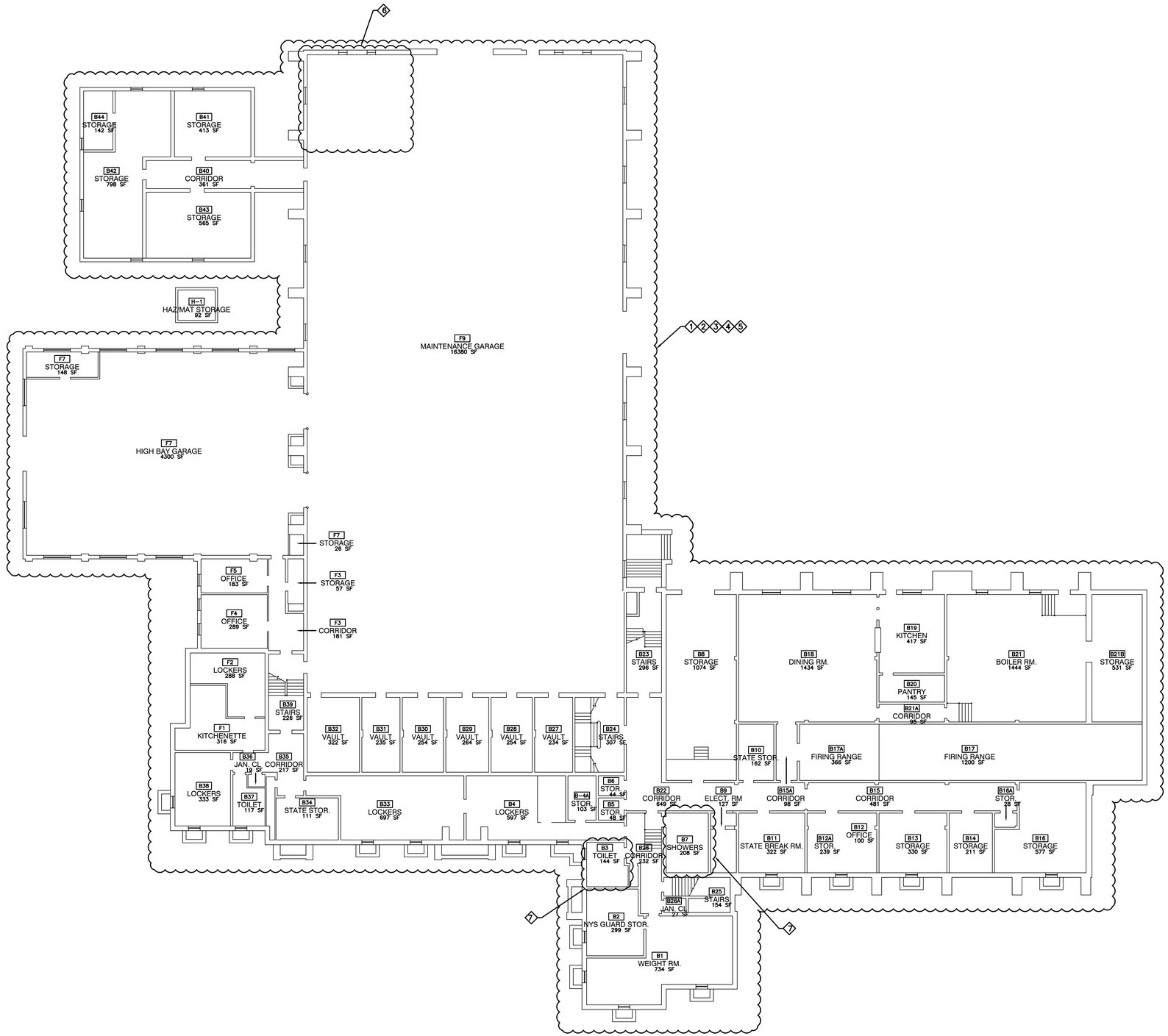
MARK	DATE	DESCRIPTION
3	08/17/2017	ADDENDUM 2
2	07/18/2017	FINAL SUBMITTAL
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION - STAIRS AND ELEVATED SURFACES - BASEMENT PLAN

DRAWING NUMBER: H-106

SHEET 11 OF 12



CEILING AND MECHANICAL SYSTEM - BASEMENT PLAN

SCALE 1" = 15' 15' 0 15'

TRUE NORTH

TREATMENT LOCATION KEY

1. SCRAPE DETERIORATED SILVER PAINT (LBP, PACM PAINT) ON UN-INSULATED, METAL CONDUITS AND PIPING, THEN HEPA VACUUM, WET WIPE, HEPA VACUUM, AND THEN APPLY ENCAPSULANT (SECTION 099101). (850 SF)
2. HEPA VACUUM, WET WIPE, HEPA VACUUM, AND THEN APPLY ENCAPSULANT (SECTION 099101) ON INSULATED SURFACES (TSI ACM). REFER TO ATLANTIC TESTING LABORATORIES, LIMITED "LIMITED HAZARDOUS MATERIALS SURVEY REPORT", DATED AUGUST 16, 2017, FOR ACM. WHERE DAMAGED TSI ACM IS PRESENT, REPAIR AS ASBESTOS PROJECT. WHERE DAMAGED NON-ACM TSI IS PRESENT, REPAIR. PROTECT THE UN-DAMAGED MATERIAL(S). (1,260 LF)
3. HEPA VACUUM, WET WIPE, HEPA VACUUM, UNPAINTED, UN-INSULATED PIPING AND/OR CONDUIT. (5,800 SF)
4. HEPA VACUUM, WET WIPE, HEPA VACUUM, UNPAINTED, UN-INSULATED STRUCTURAL MEMBERS. (1,600 SF)
5. ALL ELEVATED FIN-TUBE RADIATORS SHALL BE VACUUMED USING SOFT BRUSH, ETC., TO REMOVE ACCUMULATED DUST TO THE EXTENT FEASIBLE. (200 SF)
6. A PERMANENT STRUCTURE EXISTS HERE, COORDINATE WITH DIRECTOR'S REPRESENTATIVE TO BE SURE SHOP PERSONNEL HAVE NECESSARY ITEMS RELOCATED SO AS TO NOT INTERFERE WITH CONSTRUCTION ACCESS ROUTE.
7. DAMAGED PLASTER CEILING, COATED WITH LBP PRESENT, SCRAPE PEELING/DAMAGED/DETERIORATED PAINT. REPAIR PLASTER WALLS TO MATCH EXISTING SURFACE. HEPA VACUUM, WET WIPE, HEPA VACUUM, THEN RE-PAINT. (236 SF)

NOTES:

1. FLOOR PLANS PROVIDED BY NYSOGS.
2. QUANTITIES SHOWN IN PARENTHESIS ARE APPROXIMATE AND PROVIDED FOR INITIAL BIDDING PURPOSES ONLY. THE CONTRACTOR SHALL INSPECT THE PROPOSED WORK AND CONFIRM QUANTITIES DURING THE MANDATORY PRE-BID SITE VISIT.
3. COORDINATE WORK SHOWN ON THIS SHEET WITH OTHER WORK SHOWN ON SHEETS H-105 AND H-106. SEQUENCE EACH PHASE OF CLEANING IN A TOP-DOWN MANNER.

NEW YORK STATE OF OPPORTUNITY. Office of General Services

DESIGN & CONSTRUCTION

CONSULTANT

O'BRIEN & GERE ENGINEERS, INC

OBG PROJECT NO. 02069.65924

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STATE OF NEW YORK · MAUREEN T HOKE · 074127 · LICENSED PROFESSIONAL ENGINEER · 08/17/17

CONTRACT: CONSTRUCTION

TITLE: PROVIDE LEAD REMEDIATION

LOCATION: BINGHAMTON ARMORY
FACILITY NO. 36445-00001; NGB NO. 36170060
85 WEST END AVENUE
BINGHAMTON, NY 13905

CLIENT: DIVISION OF MILITARY AND NAVAL AFFAIRS

SCALE AS NOTED

MARK	DATE	DESCRIPTION
2	08/17/2017	ADDENDUM 2
1	07/18/2017	FINAL SUBMITTAL
0	06/23/2017	FINAL SUBMITTAL

PROJECT NUMBER:	45606-C
DESIGNED BY:	J. REYMOND/M. HOKE
DRAWN BY:	D. KENT
FIELD CHECK:	
APPROVED:	

SHEET TITLE: LEAD DUST MITIGATION – CEILING AND MECHANICAL SYSTEM – BASEMENT PLAN

DRAWING NUMBER: H-107

SHEET 12 OF 12