

DESIGN & CONSTRUCTION GROUP THE GOVERNOR NELSON A. ROCKEFELLER EMPIRE STATE PLAZA ALBANY, NY 12242

ADDENDUM NO. 1 TO PROJECT NO. 45382

HAZARDOUS, CONSTRUCTION, HVAC, PLUMBING, AND ELECTRICAL WORK RENOVATE BUILDING 8, 8TH & 9TH FLOOR STATE OFFICE BUILDING CAMPUS 1220 WASHINGTON AVE. ALBANY, NY

October 11, 2024

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.

BIDDING REQUIREMENTS – COMMON DOCUMENTS

1. DOCUMENT 001114 ADVERTISEMENT FOR BIDS: The last date for receipt of bids is changed from Wednesday, October 16, 2024, to Wednesday, October 30, 2024.

GENERAL REQUIREMENTS – COMMON DOCUMENTS

- 2. Page 011000-5, Article 1.06.: Delete paragraph D in its entirety
- 3. Page 017419-1, Subparagraph 1.01 A.1.: Delete this subparagraph in its entirety.
- 4. Page 017419-1, Subparagraph 1.02 A.1.: Delete this subparagraph in its entirety and replace with the following:
 - "1. The CWM Plan should be developed with a goal of diverting 75% of waste away from landfill."

CONSTRUCTION WORK SPECIFICATIONS

- 5. SECTION 087100 FINISH HARDWARE: Discard the section bound in the Project Manual and use the accompanying section (Pages 087100-1 through 087100-14), noted "Revised 10/07/2024".
- 6. Page 102100 2 Article 2.01, Paragraph B: Delete this Paragraph in its entirety.
- 7. SECTION 104416 Fire Extinguishers: Discard this section in its entirety.

APPENDIX - COMMON DOCUMENTS

8. Revised Pre-Renovation Hazardous Materials Survey Report: Discard the appendix section bound in the Project Manual and use the accompanying appendix section noted "Revised 10/07/2024".

GENERAL DRAWINGS

- 9. Drawing No. G-100:
 - a. 10 FIRE PROTECTION SYSTEM, Change 1005, COLUMN 3 to Read:

"Per the exception under BC 1005.3.1, the total occupant load per floor at the 8th and 9th floor has been established as 660 occupants. The occupant load is permitted to be based on actual number of occupants where approved by the building official. The IBC commentary states that occupant load in the table are typical and that other instances may drive occupant load where appropriate. in this case the occupant load is based on a maximum of 593 per layout, anticipated load is much lower. The meeting room will have an occupant load of less than 50 occupants."

- 10. Drawing No. G-101:
 - a. ELEC CL 833: Add 2-hour fire rating hatching around perimeter of ELEC CL 833.
- 11. Drawing No. G-102:
 - a. ELEC CL 933: Add 2-hour fire rating hatching around perimeter of ELEC CL 933.

CONSTRUCTION WORK DRAWINGS

- 12. Drawing No. A-120:
 - a. FINISH SELECTION SCHEDULE, Change TL02 PORCELAIN WALL TILE, SIZE to Read:

"SIZE: 12"x24" SHEET".

- 13. Drawing No. A-151:
 - a. FIREPROOFING LEGEND, Change ROW 2, COLUMN 2 to Read:

"Exposed structural framing is being added to existing steel framing. Provide spray-on fireproofing at proposed exposed structural framing that falls inside the shaded area. Refer to structural drawing S-102 for member sizes to be fireproofed."

- 14. Drawing No. A-152:
 - a. FIREPROOFING LEGEND, Change ROW 2, COLUMN 2 to Read:

"Exposed structural framing is being added to existing steel framing. Provide spray-on fireproofing at proposed exposed structural framing that falls inside the shaded area. Refer to structural drawing S-103 for member sizes to be fireproofed."

- 15. Revised Drawings:
 - a. Drawing Nos. A-000 and A-600, noted "REVISED DRAWING 10/7/24" accompany this Addendum and supersede the same numbered originally issued drawings.

ELECTRICAL WORK DRAWINGS

- 16. Drawing No. E-110:
 - a. MCC-2, COLUMN LINE D.6. Remove symbol "T2".
- 17. Drawing No. E-302:
 - a. CODED NOTES, Change Note 1 to Read:
 - "1. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 1st FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
 - b. CODED NOTES, Change Note 2 to Read:
 - "2. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 1st FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 18. Drawing No. E-303:
 - a. CODED NOTES, Change Note 1 to Read:
 - "1. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 2nd Floor IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
 - b. CODED NOTES, Change Note 2 to Read:
 - "2. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 2nd FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 19. Drawing No. E-304:
 - a. CODED NOTES, Change Note 1 to Read:
 - "1. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 3rd Floor IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."

- b. CODED NOTES, Change Note 2 to Read:
 - "2. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 3rd FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 20. Drawing No. E-305:
 - a. CODED NOTES, Change Note 1 to Read:
 - "1. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 4th Floor IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
 - b. CODED NOTES, Change Note 2 to Read:
 - "2. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 4th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 21. Drawing No. E-306:
 - a. CODED NOTES, Change Note 1 to Read:
 - "1. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 5th Floor IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
 - b. CODED NOTES, Change Note 2 to Read:
 - "2. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 5th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 22. Drawing No. E-307:
 - a. CODED NOTES, Change Note 1 to Read:
 - "1. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 6th Floor IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."

- b. CODED NOTES, Change Note 2 to Read:
 - "2. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 6th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 23. Drawing No. E-308:
 - a. CODED NOTES, Change Note 1 to Read:
 - "1. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 7th Floor IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
 - b. CODED NOTES, Change Note 2 to Read:
 - "2. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 7th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 24. Drawing No. E-309:
 - a. CODED NOTES, Change Note 3 to Read:
 - "3. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 8th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
 - b. CODED NOTES, Change Note 4 to Read:
 - "4. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 8th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 25. Drawing No. E-310:
 - a. CODED NOTES, Change Note 3 to Read:
 - "3. PROVIDE 12-STRAND-FIBER, SINGLE MODE IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 9th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."

- b. CODED NOTES, Change Note 4 to Read:
 - "4. PROVIDE 24-STRAND-FIBER, 50 MICRON IN 1-1/2" INNERDUCT FROM CAPNET SWITCH IN BASEMENT UP THROUGH DUMBWAITER OPENING TO 9th FLOOR IT ROOM. COIL 30'-0" OF FIBER CABLE IN IT ROOM. TERMINATE CABLE WITH 'LC' CONNECTORS AND TEST CABLE."
- 26. Drawing No. E-601:
 - a. SUBSTATION 2, 1600AF, LH-GB, LH-1B, LH-2B, LH-3B (LH-10). Remove NOTE 5.
 - b. CODED NOTES, Change Note 4 to Read:
 - "4. Not Used."
- 27. Drawing No. E-607 PANEL SCHEDULES:
 - a. PANEL SCHEDULE, Change PH-MCC-2 and PH-HV-1 to Read:

"Existing Panel Schedule."

- 28. Drawing Nos. E-608, E-701:
 - a. Change "CAT 6" to "CAT 6A".
- 29. Revised Drawings:
 - a. Drawing Nos. ED-100A, E-001, E-100, E-101A, E-107, E-208, E-209, E-300 noted "REVISED DRAWING 10/7/2024" accompany this Addendum and supersede the same numbered originally issued drawings.

END OF ADDENDUM

Brady Sherlock, P.E. Director, Division of Design Design & Construction

SECTION 087100

FINISH HARDWARE

PART 1 GENERAL

1.01 REFERENCES

- A. NFPA 80 Fire Doors and Windows (2013).
- B. NFPA 101 Life Safety Code (2015).
- C. Building Code of New York State (2016).
- D. ICC/ANSI A117.1-2017 Accessible and Usable Buildings and Facilities.
- E. ANSI/BHMA Standard A156.1 Butts and Hinges (2016).
- F. ANSI/BHMA Standard A156.4 Door Controls Closers (2013).
- G. ANSI/BHMA Standard A156.6 Architectural Door Trim (2015).
- H. ANSI/BHMA Standard A156.7 Template Hinge Dimensions (2016).
- I. ANSI/BHMA Standard A156.8 Door Controls Overhead Stops and Holders (2015).
- J. ANSI/BHMA Standard A156.13 Mortise Locks and Latches Series 1000 (2017).
- K. ANSI/BHMA Standard A156.16 Auxiliary Hardware (2018).
- L. ANSI/BHMA Standard A156.18 Materials and Finishes (2016).
- M. ANSI/BHMA Standard A156.22 Door Gasketing Systems (2017).
- N. ANSI/BHMA Standard A156.26 Continuous Hinges (2017).
- O. DHI Door and Hardware Institute.
- P. NAAM Standard HMMA 800-96- Hollow Metal Manufacturers Association.
- Q. NAAM Standard HMMA 831-13 Recommended Hardware Locations for Custom Hollow Metal Doors and Frames.
- R. 2010 Standards for State and Local Government Facilities: Title II.

1.02 **DEFINITIONS**

- A. Architectural Hardware Consultant (AHC): A Door and Hardware Institute certified expert in complex architectural openings requiring advanced knowledge of model building codes and safety standards, ADA requirements, access control knowledge and installation expertise.
- B. Architectural Hardware Distributor: A company that regularly purchases architectural hardware from manufacturers and specializes in the sale, service and support of that hardware to contractors and/or end users.
- C. Company Field Advisor(s): Hardware manufacturers' representatives who are certified in writing by manufacturer to be technically qualified in design, installation, and servicing of products.
- D. Installation Supervisor: Designated supervisor/installer, who has a minimum three years' experience in finish hardware installation, and is qualified and responsible to ensure approved finish hardware is installed, adjusted, and operates properly.
- E. Benchmark: Finish hardware installed on full size door and frame assembly that is constructed on-site. Benchmarks are constructed to verify qualities of materials and execution; to review coordination between frames, doors, and architectural hardware; to show interface between partitions and frames; and to demonstrate compliance with specified installation tolerances. Benchmarks are not samples. Unless otherwise indicated, approved benchmarks establish the standard by which the Work will be judged. The approved benchmark may be incorporated into the work of this section.

1.03 SUBMITTALS

- A. Waiver of Submittals: The Waiver of Certain Submittal Requirements in Section 013300 does not apply to this Section.
- B. Re-Evaluation Fee: In accordance with the General Conditions 007213 Article 4.7.
- C. Submittal Package Cover Sheets: The Hardware Distributor shall provide a cover sheet, which identifies each package by:
 - 1. OGS project number.
 - 2. Project name.
 - 3. Facility name and location.
 - 4. Submittal Package name.
 - 5. Specification section name and number.
 - 6. Construction Contractor's company name, address, e-mail address, and telephone number.
 - 7. Finish Hardware Distributor's company name, address, e-mail address, and telephone number.
 - 8. Certified Architectural Hardware Consultant's name, company name, address, e-mail address, and telephone number.
 - 9. Submittal Date.

D. Submittal Packages

- 1. Quality Control Package: Do not submit balance of packages until this package is approved.
 - a. Architectural Hardware Consultant Data:
 - 1) Provide name, business address, and telephone number of DHI certified Architectural Hardware Consultant.
 - 2) Submit photocopy of Door and Hardware Institute's certificate demonstrating individual is an Architectural Hardware Consultant.
 - b. Company Field Advisor Data:
 - Provide name, business address, and telephone number of Company Field Advisor(s) for continuous hinges, door bolts, locksets, overhead stops, door closers, and gaskets.
 - 2) List services and products for which company field advisor(s) is/are certified by manufacturer. Provide written certifications.
 - c. Hardware Distributor's Qualification Data:
 - 1) Provide the Finish Hardware Distributor's company name, address, e-mail address, and telephone number.
 - 2) Provide the hardware distributor's company history, including number of years in the hardware distribution business, the number of AHC's employed, and the number of employees. Describe the distributor's major market.
 - 3) Include the names and contact information of physical plant managers for 3 facilities, similar to this project, for which the distributor has furnished architectural hardware within the past 2 years.
 - d. Supervisor's/Installer's Qualification Data:
 - 1) Name of Supervisor and each installer performing Work, and employer's name, business address and telephone number.
 - 2) Names and addresses, and contact information of physical plant managers for 3 facilities, similar to this project, on which each installer has worked on during past 2 years.

2. Finish Hardware Package:

- a. Finish Hardware Schedule: Use vertical format and indicate finish hardware items, both mechanical and electrical in one document, required to complete Work of this section. Submit Hardware Schedule that includes complete hardware sets for each door and frame shown on Door Schedule.
 - 1) Preface schedule with following:
 - a) Certified Architectural Hardware Consultant's statement of preparation of/or certification of Finish Hardware Schedule.
 - b) Index.
 - c) List of manufacturers.
 - d) List of finishes.
 - e) Explanation of abbreviations.
 - f) Keying instructions and key schedule.

- 2) Create hardware groups, each group consisting of similar doors and hardware. Do not combine labeled and non-labeled openings. Do not combine doors and frames with dissimilar door sizes and/or materials.
- 3) For each opening include the following:
 - a) Door and frame materials and dimensions.
 - b) Fire rating.
 - c) Door number, location, and handing.
 - d) Degree of opening required for closer and/or overhead stop.
 - e) Installation and detailing notes.
- 4) Under each group heading, list hardware items in detail, required for ordering. For each hardware item include:
 - a) Type (Hinges).
 - b) Quantity (Hinges 3ea).
 - c) Manufacturers' name (Hinges 3ea Stanley).
 - d) Catalog number (Hinges 3ea Stanley FBB199).
 - e) Size (Hinges 3ea Stanley FBB199 4 ½ x 4 ½).
 - f) Options or accessories (Hinges HTFBB199 4 ½ x 4 ½).
 - g) Finish (Hinges HTFBB199 4 ½ x 4 ½ x 630).
 - h) Fasteners (Hinges HTFBB199 4 ½ x 4 ½ x 630 x torx with center security pin).
 - i) Indicate location of protection plates: Push side or pull side.
 - j) Installation Notes, as written in this section, for each hardware group.
- 5) Use a separate hardware group in Hardware Schedule that lists attic stock hardware items, key cabinets, key control system, special tools required to install hardware, lubricants, and Operations and Maintenance Manuals.
- b. Product Data: Furnish six copies of manufacturers' catalog sheets, specifications, sizing charts, and installation instructions, for each item specified. Highlight information pertaining specifically to product (s) submitted.
- c. Submit samples as requested.
- 3. Closeout Submittals Package: Submit as a complete package.
 - a. Operation and Maintenance Manuals: Furnish 2 hardcover three ring binders with the project name and number displayed on the front cover and spine. Include:
 - 1) List of Manufacturers.
 - 2) Approved Finish Hardware Schedule.
 - 3) Approved Manufacturers' Product Data Sheets.
 - 4) Manufacturer's operation, installation, maintenance, and repair instructions for each type of hardware furnished.
 - 5) Templates for kind of hardware furnished.
 - 6) Parts List for each type of finish hardware furnished.
 - 7) Manufacturers dated written warranty for each type of finish hardware furnished.

- 8) Certifications: Written certification from Company Field Advisors that their products are installed according to manufacturers' printed installation instructions, are operating properly, and manufacturers' written warranty will be in effect upon physical completion of the Work.
- 9) Special Tools: List of special tools required to install hardware, and their purpose.
- b. Special Tools:
 - 1) At conclusion of finish hardware installation, turn over to Director's Representative 2 of each special tool required to install hardware together with a list of these tools and their purpose.

1.04 TEMPLATES

A. After receipt of approved submittals, furnish templates to affected trades, to enable fabricators to make provision for finish hardware without delaying the Work of the Project.

1.05 DELIVERY AND STORAGE

- A. Coordinate delivery to avoid delay.
- B. Clearly label each item for identification and installation location as it corresponds to the approved Finish Hardware Schedule and subsequent information bulletins.
- C. Deliver hardware to the jobsite in the manufacturers' original packages complete with fasteners, parts, installation instructions, and templates required for proper installation.
- D. Inventory hardware at jobsite to identify shortages or backorders. Resolve delivery shortages and damaged items prior to installing hardware.
- E. Store finish hardware where directed by Director's Representative. Provide locked, dry storage for finish hardware.

1.06 QUALITY ASSURANCE

- A. Hardware Distributor's Qualification:
 - 1. Hardware Distributor who has been in the business of furnishing, and/ or installing finish hardware for a minimum of three years.
 - 2. Hardware Distributor shall have the DHI certified Architectural Hardware Consultant prepare or certify the Finish Hardware Submittal meets specification requirements, and the schedule is written accurately and in accordance with DHI recommendations, and requirements of this specification.
- B. Company Field Advisors: Employ advisor(s) for continuous hinges, door bolts, mortise locksets, surface overhead stops, door closers, and gaskets.

- C. Installation Supervisor: Employ a qualified Installation Supervisor who will be responsible to ensure approved finished hardware is installed, adjusted, and operates properly.
- D. Installers: Employ experienced finish hardware installers who have been regularly employed by a Company installing finish hardware for a minimum of 5 years.
- E. Pre-submittal Conference: Before Finish Hardware Submittals are written for submission, the Director's Representative will call a teleconference to review Finish Hardware Submittal requirements including but not limited to format, cover sheet, headings, hardware sets, level of detail, installation notes, description of operation, keying, and product data sheets. The Contractor, the Finish Hardware Distributor, the Finish Hardware Detailer, and consulting hardware designer, and OGS Designers shall attend. The OGS Finish Hardware Reviewer shall conduct the conference.
- F. On Site Pre-Installation Conference: Before finish hardware installation begins, the Director's Representative will call a conference at the site to review Finish Hardware Specifications, approved Finish Hardware Submittals, and to discuss requirements for the Work including:
 - 1. Hardware delivery and storage.
 - 2. Hardware labeling by door number.
 - 3. Hardware locations.
 - 4. Potential location conflicts.
 - 5. Hardware installation sequence and responsibility.
 - 6. Required accessories and fasteners.
 - 7. Continuous hinge installation.
 - 8. Surface overhead stops and closer template and adjustments.
 - 9. Special tools and maintenance items.
 - 10. Hardware Closeout requirements.
 - 11. Hardware Warranties.
- G. Pre-installation Conference Attendance: The Construction Contractor, Company Field Advisors, authorized Finish Hardware Installers, and the Finish Hardware Distributor's Architectural Hardware Consultant shall attend the conference. OGS's Finish Hardware Reviewer conducts the meeting. OGS designers and facility personnel may attend. The Company Field Advisors will present installation instruction and advice.
- H. Pre-Benchmark-Construction Meeting: Prior to the construction of the mock-up, a meeting will be held at the site to review the requirements and discuss the intent of the mock-up. The meeting will be scheduled by the Director's Representative and conducted by the Hardware Designer. The meeting shall be attended by the Director's Representative, the Hardware Designer, the Contractor's onsite foreman, the person supervising this phase of the Work (if different), and the person (people) who will be performing the work.
- I. Construction of Benchmark: Before installing portions of the Work requiring benchmarks, install benchmarks for each form of construction required to comply with the following requirements, using materials indicated for the completed Work.

- 1. Build hardware benchmark in door and frame assembly, specified in section 081102, in locations as directed, and include continuous hinge, lockset, closer, surface overhead stop and gaskets.
- 2. Notify the Director's Representative in advance of dates and times when benchmark will be constructed.
- 3. Install benchmark with supervisor oversight and workers who will be employed during the construction of the Work.
- 4. Construct benchmarks using the exact materials, products, methods, and workmanship that were approved for the Work.
- 5. Obtain Director's Representative's approval of benchmarks before starting work, fabrication, or construction.
- 6. Maintain benchmarks during construction in an undisturbed condition as a standard for judging the completed Work.
- 7. Failure to maintain this standard of quality will be cause for rejection of the Work.
- 8. Benchmark may be used in the Work unless otherwise indicated.
- J. Uniformity of Hardware and Single Source Responsibility: For each kind of hardware provide product(s) of a single manufacturer.
- K. Size Variations: Manufacturers' products may vary slightly from sizes specified except where minimum size or thickness is specified.

1.07 WARRANTY

- **A.** Manufacturer's Warranty: Ten-year minimum warranty for door closers.
- B. Manufacturer's Warranty: Three year minimum for locksets.

1.08 MAINTENANCE

- A. Special Tools: At the conclusion of finish hardware installation, turn over to Director's Representative 2 sets of each special tools required for proper installation and adjustment of hardware, together with a list of these tools and their purpose.
- B. Lubricants: Provide manufacturer's recommended lubricants for locksets and closers sufficient for 1 year of maintenance. Turn over to Director's Representative.

PART 2 PRODUCTS

2.01 ACCESSORIES

- A. Provide brackets, plates, arms, spacers, and special templates to mount door closers in combination with overhead stops and coordinators, on narrow top rails and for special ceiling and jamb conditions.
- B. Provide curved lip strikes, with wrought boxes, specific to individual lock functions. Universal strikes that fit a variety of lock functions are not acceptable.

2.02 FASTENINGS

- A. Provide fasteners that harmonize with finish hardware material and finish.
- B. Provide machine screws for hardware secured to metal, and machine screws and metal expansion shields for attachment to masonry substrates. Self-tapping or self-drilling screws are not acceptable.
- C. Attach door closers and overhead stops with sex bolts.

2.03 MATERIALS AND FINISHES

- A. General: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of finish hardware are indicated in this section and in the Hardware Groups.
- B. Locks, Latches and Bolts
 - 1. Comply with UL requirements for throw of bolts and latch bolts on rated fire openings.
 - 2. Provide 3/4" minimum throw on other latch bolts.
 - 3. Provide 1" minimum throw deadbolts.
- C. Closers and Door Control Devices
 - 1. Closer bodies: Provide closer bodies with the same hole template pattern regardless of type or application.
 - 2. Closer arms: Non-handed forged steel.
 - 3. Closer size: Provide sized closers.
 - 4. Provide all-weather fluid to eliminate seasonal adjustment of closer speed.
 - 5. Powder coat closer body, arm, and adapter plate or pre-treat closer body, arm, and adapter plate with rust-inhibiting coating before painted finish is applied.

2.04 FINISH HARDWARE

A. HARDWARE MANUFACTURERS:

- 1. ST STANLEY
- 2. BE BEST
- 3. LC LCN
- 4. NG NATIONAL GUARD
- 5. IV IVES
- 6. KN KN CROWDER
- 7. VD VONDUPRIN

В.	GROUP # 1 OFFICE DOO	ORS		
	1.3 Ea. Hinges2.1 Ea. Lockset (Office)3.1 Ea. Wall Stop4.1 Ea. Smoke Seal	FBB199 4 ½ x 4 ½ 45H7A 14M x GMK WS406 5025 x PERIMETER	BE IV	
C.	GROUP # 2 CONFEREN	CE		
	1.3 Ea. Hinges2.1 Ea. Lockset (Classroom)3.1 Ea. Wall Stop4.1 Ea. Smoke Seal	WS406 5025 x PERIMETER	BE IV	
D.	GROUP # 3 TRAINING I	ROOM		
	 1.3 Ea. Hinges 2.1 Ea. Lockset (Classroom) 3.1 Ea. Closer 4.1 Ea. Kickplate 5.1 Ea. Wall Stop 6.1 Ea. Smoke Seal 	FBB199 4 ½ x 4 ½ NRP 45H7R 14M x GMK 4111T 8400 8" x 1.5" LDW CSK B4E WS406 5025 x PERIMETER	LC IV IV	630 689 630
E.	GROUP # 4 NETWORK	EQUIP ROOMS		
	 1.3 Ea. Hinges 2.1 Ea. Lockset (Storage) 3.1 Ea. Closer 4.1 Ea. Kickplate 5.1 Ea. Wall Stop 6.3 Ea. Silencers 	FBB199 4 ½ x 4 ½ NRP 45H7D 14M x GMK 4111T 8400 8" x 1.5" LDW CSK B4E WS406 To Suit	ST BE LC IV IV	630 689 630
F.	GROUP # 5 ELECTRICA	AL CLOSETS (SNG)		
	1.3 Ea. Hinges2.1 Ea. Lockset (Storage)3.1 Ea. Closer4.1 Ea. Kickplate5.3 Ea. Silencers	FBB199 4 ½ x 4 ½ NRP 45H7D 14M x GMK 4111 SCUSH 8400 8" x 1.5" LDW CSK B4E To Suit	ST BE LC IV	689
G.	GROUP#6 ELECTRICA	AL CLOSETS (PR)		
	 1.6 Ea. Hinges 2.1 Ea. Lockset (Storage) 3.2 Ea. Closer 4.1 Set Flush bolts 5.2 Ea. Kickplate 6.2 Ea. Silencers 	FBB199 4 ½ x 4 ½ NRP 45H7D 14M x GMK 4111 SCUSH FB358 8400 8" x 1.5" LDW CSK B4E To Suit	ST BE LC IV IV	630 630 689 626 630 GRY

Н.	GROUP # 7	BOARD ROO	OM .		
	 1.3 Ea. Hinges 2.1 Ea. Lockse 3.1 Ea. Wall S 4.1 Ea. Smoke 	et (Classroom) top	FBB199 4 ½ x 4 ½ 45H7R 14M x GMK WS406 5025 x PERIMETER	ST BE IV NG	630
I.	GROUP # 8	BREAK ROO	OM		
	1.3 Ea. Hinges 2.1 Ea. Passag 3.1 Ea. Closer 4.1 Ea. Wall S 5.3 Ea. Silence	e Set top	FBB199 4 ½ x 4 ½ 45H7N 14M 4111T WS406 To Suit	ST BE LC IV	630
J.	GROUP # 9	TOILET RO	OMS		
	1.3 Ea. Hinges 2.1 Ea. Push P 3.1 Ea. Deadlo	ull	FBB199 4 ½ x 4 ½ 8130 x 8103 PR 45H7RD x GMK	ST IV	630
	4.1 Ea. Auto C 5.2 Ea. Touch 6.1 Ea. Keysw 7.1 Ea. Kickpl 8.1 Ea. Wall S 9.1 Ea. Smoke 10. 1 Set Elect	less Actuator itch ate top Seal	8310-806K (Mount on Operator) 8400 8" x 1.5" LDW CSK B4E T WS406 5025 x PERIMETER	LC LC LC To IV IV	630 BLK 630
K.	GROUP # 10		-		
	1.3 Ea. Hinges 2.1 Ea. Lockse 3.1 Ea. Wall S 4.1 Ea. Smoke	et (Privacy) top	FBB199 4 ½ x 4 ½ 45H7L 14M x GMK WS406 5025 x PERIMETER	BE IV	630 630 626 BRN
L.	GROUP # 11	JANITOR CI	LOSET		
	1.3 Ea. Hinges 2.1 Ea. Passag 3.1 Ea. Overh 4.3 Ea. Silence	e Set ead Stop	FBB199 4 ½ x 4 ½ 45H7N 14M GJ90S Series (120 Degree) To Suit	BE GJ	630 630 626 GRY
M.	GROUP # 12	MOTHERS I	ROOM		
	1.3 Ea. Hinges 2.1 Ea. Lockse 3.1 Ea. Overhe 4.1 Ea. Smoke	et (Storeroom) ead Stop	FBB199 4 ½ x 4 ½ 45H7D 14M x GMK GJ90S Series (120 Degree) 5025 x PERIMETER	BE GJ	630 630 626 BRN

N.	GROUP # 13 PIPE CHASI	E		
	 Ea. Hinges Ea. Deadlock (Classroom) Ea. Flush Pulls Ea. Overhead Stop Ea. Louver Ea. Smoke Seal 	FBB199 4 ½ x 4 ½ NRP) 45H7RD x GMK 960 GJ90S Series (120 Degree) CDL-12 5025 x PERIMETER	ST BE IV GJ KN NG	630 630 630 626 CA BRN
0.	GROUP # 14 EXISTING D	OOORS		
	1.1 Ea. Cylinder Balance of hardware exist	To Suit Existing Lock ing.	BE	626
Р.	GROUP # 15 STORAGE			
	1.3 Ea. Hinges2.1 Ea. Lockset (storeroom)3.1 Ea. Overhead Stop4.3 Ea. Silencers	FBB199 4 ½ x 4 ½ NRP 45H7D 14M x GMK GJ90S Series (120 Degree) To Suit	ST BE GJ	630 630 626 GRY
Q.	GROUP # 16 STAIRWELL	L DOORS		
	 1.3 Ea. Hinges 2.1 Ea. Exit Device 3.1 Ea. Cylinder 4.1 Ea. Closer 5.1 Ea. Vielplate 	FBB199 4 ½ x 4 ½ NRP 9975F x 996L Confirm compatibility with exist To Suit trim and key system 4011T 8400 8" x 1.5" LDW CSK B4E	BE LC	626 689
	5. 1 Ea. Kickplate6. 1 Ea. Wall Stop7. 3 Ea. Silencers	WS406 To Suit	IV IV	630 626 GRY
R.	GROUP # 17 ELEVATOR	LOBBY		
	 Ea. Hinges Ea. Exit Device Ea. Closer Ea. Bracket Ea. Hold Open Set Electrical Elevation D 	FBB199 4 ½ x 4 ½ NRP 3347 L-BE-LBR-LD 4110 EDA 4110-18 SEM 7840 X 24 VDC rawings	ST VD LC LC LC	630 626 689 689 626
S.	GROUP # 18 PIPE CHASE	E		
	 Ea. Hinges Ea. Deadlock (Classroom) Ea. Flush Pulls Ea. Overhead Stop Ea. Smoke Seal 	FBB199 4 ½ x 4 ½ NRP) 45H7RD x GMK 960 GJ90S Series (120 Degree) 5025 x PERIMETER	ST BE IV GJ NG	630 630 630 626 BRN

T. GROUP # 19 MECHANICAL SPACES (PR)

1.6 Ea. Hinges	FBB199 4 ½ x 4 ½ NRP	ST	630
2.1 Ea. Lockset (Storage)	45H7D 14M x GMK	BE	630
3.2 Ea. Closer	4111 SCUSH	LC	689
4. 1 Set Flush bolts	FB51P/FB51T	IV	626
5.2 Ea. Kickplate	8400 8" x 1.5" LDW CSK B4E	IV	630
6. 1 Set. Smoke Seal	5025 x PERIMETER	NG	BRN
7. 1 Set. Astragal	1375SA	NG	628

U. GROUP # 20 MECHANICAL SPACES (PR)

1.6 Ea. Hinges	FBB199 4 ½ x 4 ½ NRP	ST	630
2.1 Ea. Lockset (Storage)	45H7D 14M x GMK	BE	630
3.2 Ea. Closer	4111 EDA	LC	689
4.1 Set Flush bolts	FB51P/FB51T	IV	626
5.2 Ea. Kickplate	8400 8" x 1.5" LDW CSK B4E	IV	630
6.2 Ea. Wall Stops	WS406	IV	626
6. 1 Set. Smoke Seal	5025 x PERIMETER	NG	BRN
7. 1 Set. Astragal	1375SA	NG	628

2.05 KEYING

- A. Continue existing Best Lock key system established for Facility.
 - 1. Stamp key symbol on one side of key, and "Do Not Duplicate" on other side of key.
 - 3. Furnish one copy of factory bitting list to facility.
 - 4. Factory key cylinders.
 - 5. Furnish 3 cut keys for each master key.
 - 6. Furnish 7 cut keys for each keyed lockset.
 - 7. These cut key quantities are for bidding purposes only. Actual number of cut keys required will be determined at keying meeting.
 - 8. When lockset and cylinder are by different manufacturers, identify and furnish correct cylinder cam to operate lockset.
 - 9. Provide compression rings and spacers to achieve proper spacing relationship between cylinder and face of door.

B. Keying Conference

- Immediately following contract award, Director's Representative
 will schedule a keying conference to develop a written key
 schedule that reflects Facility's specific keying requirements.
 Facility Representative(s), Hardware Distributor, Consulting Hardware
 Designer, and OGS's Hardware Designer will attend.
- 2. Incorporate this schedule in Finish Hardware Submittals for approval.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine doors and frames and related items for conditions such as, but not limited to, incorrect handing, hardware preparation, misaligned lock, and strike preparations, that would prevent proper application of finish hardware. Do not proceed until defects are corrected.
- B. Report conditions or hardware applications that are incorrect to the Director's Representative.

3.02 INSTALLATION

- A. Do not proceed with installation of finish hardware prior to attending referenced pre-installation conference.
- B. Installation Sequence: Use proper installation sequence, i.e., install coordinators, and overhead stops and holders before surface mounted door closers.
- C. Install hardware in accordance with manufacturer's printed installation instructions, and adjust for smooth operation, free of sticking, binding, or rattling.
 - 1. Template surface overhead stops and holders for proper operation
 - 2. Template and adjust closers for proper operation.
- D. Use proper tools and methods to prevent scratches, burrs, or other defacement.
- E. Gasket Installation:
 - 1. Install continuous stripping at each opening without unnecessary interruptions.
 - 2. Where fasteners are required, secure fasteners for stripping and seals so they will not work loose during door operation. Exposed heads of fasteners shall be free of sharp edges.
 - 3. Coordinate meeting stile gasket with hardware before installation.
 - 4. Install units plumb and level at the optimum location to maintain a permanent effective seal.
- F. After installation, cover and protect hardware to prevent damage during remaining construction. Remove protection upon completion of construction.

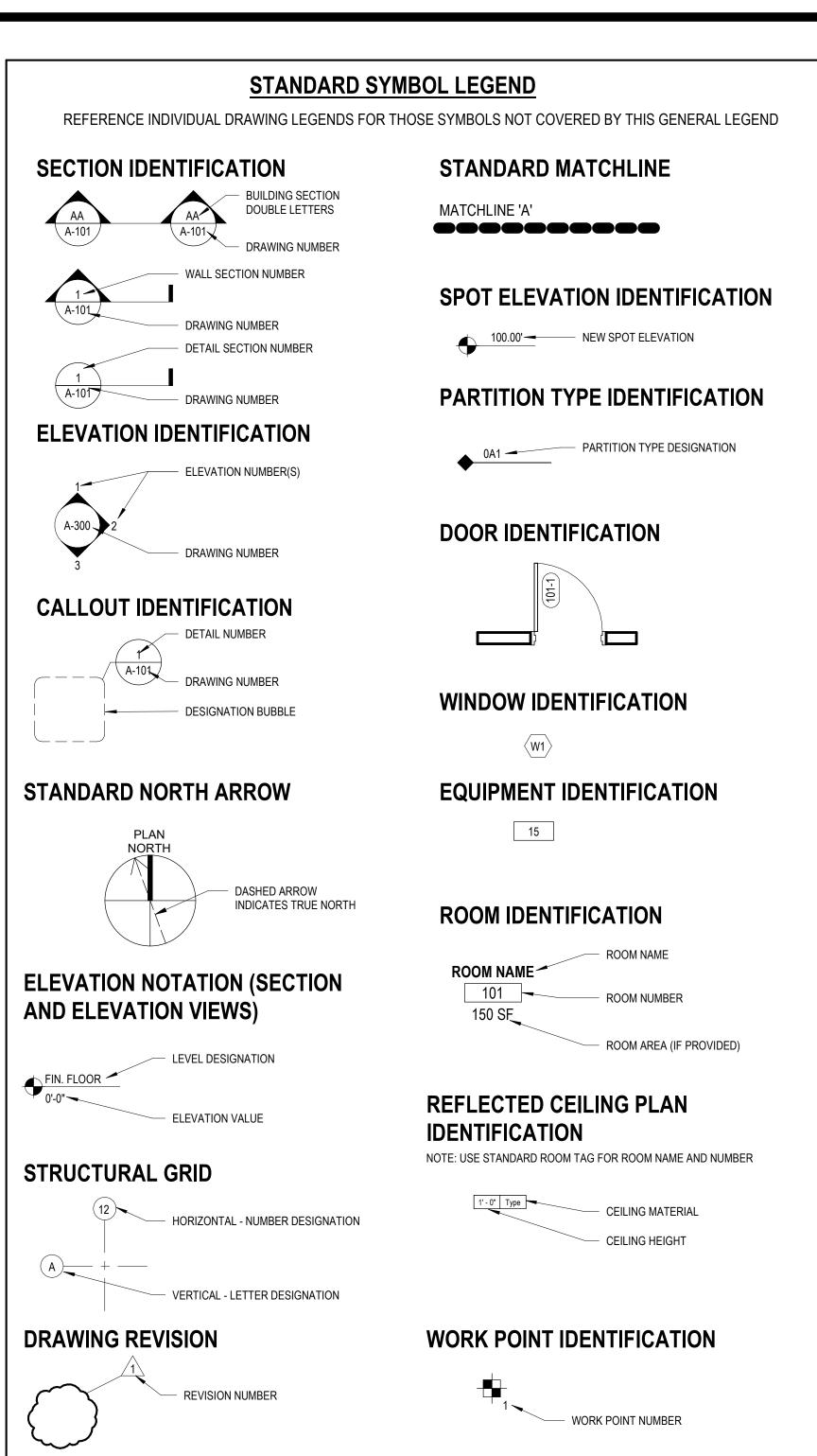
3.03 LOCATIONS

- A. Locate hardware as follows:
 - 1. Door Closers: Template for maximum door swing allowed by wall placement and jamb conditions. Where overhead stop prevents door from swinging to wall, template the closer to exceed degree of opening allowed by overhead stop.
 - 2. Protection Plates: 1/8 inch from door bottom.
 - 3. Wall Stops: Centerline of bumper to match centerline of locking trim.

3.04 FIELD QUALITY CONTROL

- A. Post Installation Review: After hardware is adjusted for proper operation, Director's Representative will hold a Post-Installation Review with the Contractor, Hardware Designer, Company Field Advisors, Hardware Distributor and Hardware Installers.
 - 1. Physically inspect to verify proper application, installation, adjustment, and operation of finish hardware, and in particular that:
 - a) Latches engage freely without binding. Filing of strike plates to relieve latch bind is not acceptable.
 - b) Closers are adjusted for proper spring power; sweep speed, latching speed; and hydraulic back check.
 - c) Locations and proper attachment of installed protective hardware are as specified.
 - d) There is no field modification of fasteners.
 - e) Damaged fasteners are replaced.
 - 2. Defective hardware is repaired or replaced.
 - 3. Hardware is to be left clean and free from disfigurement.
- B. Turn referenced Operations and Maintenance Manuals over to Facility through Director's Representative.

END OF SECTION



STANDAR	D ABBREVIA	TIONS					
ABOVE FINISHED FLOOR	LLV	LONG LEG VERTICAL	MATERIAL	PL	<u>.AN</u>	ELEVATION	
ANCHOR BOLT ABOVE	LF LWC	LINEAR FOOT LIGHT WEIGHT CONCRETE		=: 00=		1	
ADJUSTABLE	LVVC	LIVE LOAD		FLOOR	DETAIL		
ALTERNATE	LLH	LONG LEG HORIZONTAL					
ALUMINUM							
APPROXIMATE	MANUF	MANUFACTURER	WOOD	NOT SHOWN	SAME AS		
ARCHITECTURAL	MAS	MASONRY	WOOD	NOT SHOWN	SECTION	1868684	
POTTOM OF	MAX	MAXIMUM					
BOTTOM OF BEAM POCKET	MECH MIN	MECHANICAL MINIMUM				SIDING PANEL	FRA
BEARING PALTE	MO	MASONRY OPENING					
BLOCK (ING)	MR	MOISTURE RESISTANT					
BUILDING	MET	METAL	BRICK				
BOARD			BRICK	\ //			
BEARING	NIC	NOT IN CONTRACT					•
BOTH SIDES	NO	NUMBER				FACE BRICK - RUNNING BOND	
BOTH WAYS	NOM	NOMINAL				L	
BOTTOM	NTS	NOT TO SCALE			· · · . 4		
BUILDING	00	ON OFNITED	CONCRETE	4 4 4		4	
CABINET	OC OD	ON CENTER OUTSIDE DIAMETER	CONCRETE	A	1	4 4 4	
CABINET CAST-IN-PLACE CONCRETE	OPNG	OPENING				4 4 4 5	
CEILING	OPPH	OPPOSITE HAND				7	
CENTERLINE	OPP	OPPOSITE					
CLOSET	Oll	OTTOOTTE	CONCRETE DI COK				
CLEAR	PBD	PARTICLEBOARD	CONCRETE BLOCK				
CONCRETE MASONRY UNIT	PC	POINT OF CURVEATURE	(CMU)				
COLUMN	PL	PLATE					
CONCRETE	PLAM	PLASTIC LAMINATE					
CONFERENCE	PLYWD	PLYWOOD					
CONNECTION	PREFAB	PREFABRICATED					
CONTINUOUS CONSTRUCTION JOINT	PSF PSI	POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH	EARTH	NOT S	SHOWN		
CERAMIC TILE	PT	PRESSURE TREATED	(UNDISTURBED)	11010	TIOWIN		
OLIVAWIO FIEL	PTN	PARTITION					
DRINKING FOUNTAIN						<u>'</u>	
DIAMETER	RAD	RADIUS					10000000
DIMENSION	REF	REFERENCE					
DEAD LOAD	REFR	REFRIGERATOR	BACKFILL	NOT S	SHOWN	NOT SHOWN	
DRAWING	REQD	REQUIRED	MATERIAL	11010		The Ferrence	
	REV	REVISED, REVISION					
EACH EPOXY COATING SYSTEM	RM	ROOM					
EACH FACE	SCHED	SCHEDULE					BATT
EXPANSION JOINT	SECT	SECTION			SAME AS		
ELECTRICAL	SHT	SHEET(ING)	INSULATION	NOT SHOWN	SECTION	NOT SHOWN	RIGID
ELEVATOR	SHV	SHELVES			CECTION		
ENCLOSURE	SIM	SIMILAR					SPRAY
ELECTRICAL PANEL	SPEC	SPECIFICATION					
EQUIPMENT	SQ	SQUARE					OTEEL
EACH WAY	SS	STAINLESS STEEL			SAME AS		STEEL
EXISTING	STL	STEEL	METAL	NOT SHOWN	SECTION	NOT SHOWN	
FLOOD DDAW	STRUCT	STRUCTURAL			CECTION	iner enem	ALUM
FLOOR DRAIN	SUSP	SUSPENDED					ALUM
FOUNDATION FIRE EXTINSUISHER CABINET	SUSP CLG	SUPENDED CEILING					
FINISH FLOOR ELEVATION	т	TREAD				1959 - 2000 (200)	OVE
FLOOR	TB	TOWEL BAR			CAMEAC	1 1 2 2 2 2 3 3 5 4 6 5 5 5 7	GYPSI
FLOOR FINISIH	T/CONC	TOP OF CONCRETE	SHEATHING	NOT SHOWN	SAME AS SECTION		
FOOT, FEET	TEMP	TEMPORARY			SECTION	<u> </u>	PLYWO
FOOTING	T/FTG	TOP OF FOOTING				GYPSUM	
	TOW	TOP OF WALL	<u> </u>				
GAGE	TPTN	TOILET PARTITION					
GALVANIZED	TV	TELEVISION					
GALVANIZED STEEL	TYP	TYPICAL					
GRAB BAR	T/W	TOP OF WALL					
GYPSUM BOARD	UON	UNLESS OTHERWISE NOTED					
HEIGHT	UTIL	UTILITY					
HOUR	VIII.						
	VB	VAPOR BARRIER					
INSULATION	VCT	VINYL COMPOSITION TILE					
INSIDE DIAMETER	VERT	VERTICAL					
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ANSI AMERICAN NATIONAL STANDARDS INSTITUTE 1819 L STREET, NW, 6TH FLOOR NASHINGTON, DC 20036 GENERAL INQUIRIES: 212.642.4900 PHONE: 202.293.8020 FAX: 202.293.9287 HTTP://WWW.ANSI.ORG/ ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS 100 BARR HARBOR DRIVE NEST CONSHOHOCKEN, PA 19428-2959 TEL: 610.832.9585 FAX: 610.832.9555 HTTP://WWW.ASTM.ORG/	BIA THE BRICK INDUSTRY ASSOCIATION 11490 COMMERCE PARK DRIVE RESTON, VA 28191-1525 PHONE: 703.620.0010 FAX 703.620.3928 HTTP://WWW.BIA.ORG/ UL UNDERWRITERS LABORATORIES 333 PFINGSTEN RD. NORTHBROOK, IL 60062 TEL: 847.272.8800 FAX: 847.272.8129 HTTP://WWW.UL.COM/ NPCA NATIONAL PAINT AND COATINGS	APA AMERICAN PLYWOOD ASSOCIATION PO BOX 11700 TACOMA, WA 98411-0700 TEL: 253.565.6600 FAX: 253.565.7265 HTTP://WWW.APAWOOD.ORG/ AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION ONE EAST WACKER DRIVE, SUITE 3100 CHICAGO, IL 60601-2001 PHONE: 312.670.5403 FAX: 312.670.2400 HTTP://WWW.AISC.ORG/	ABC ASSOCIATED BUILDERS AND CONTRACTORS 1300 N. 17TH STREET, SUITE 800 ROSSLYN, VA 22209 TEL: 703.812.2000 FAX: 703.812.8200 HTTP://WWW.ABC.ORG/ BOCA BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL 4051 W. FLOSSMOOR ROAD COUNTRY CLUB HILLS, IL 60478-5795 PHONE: 800.214.4321 FAX: 708.799.4981 HTTP://WWW.BOCAI.ORG/	GANA GLASS ASSOCIATION OF NORTH AMERICA 2945 SW WANAMAKER DRIVE, SUITE A TOPEKA, KS 66614 TEL: 785.271.0208 FAX: 785.271.0166 HTTP://WWW.GLASSWEBSITE.COM/GANA/ BHMA BUILDERS' HARDWARE MANUFACTURERS ASSOCIATION 355 LEXINGTON AVENUE, 17TH FLOOR NEW YORK, NY 10017 TEL: 212.297.2122 FAX: 212.370.9047 HTTP://BUILDERSHARDWARE.COM/
MI INTERNATIONAL MASONRY INSTITUTE 17101 SCIENCE DRIVE BOWIE, MD 20715 PHONE: (301)291-2124 FAX: (301)291-2107 HTTP://WWW.IMIWEB.ORG	ASSOCIATION 1500 RHODE ISLAND AVENUE, NW WASHINGTON, DC 20005 TEL: 202.462.6272 FAX: 202.462.8549 HTTP://WWW.PAINT.ORG/	AGC ASSOCIATED GENERAL CONTRACTORS OF AMERICA 333 JOHN CARLYLE STREET, SUITE 200 ALEXANDRIA, VA 22314 TEL: 703.548.3118 FAX: 703.548.3119 HTTP://WWW.AGC.ORG/	NPS NATIONAL PARK SERVICE PRESERVATION BRIEFS HTTPS://WWW.NPS.GOV/TPS/HOW-TO- PRESERVE/BRIEFS.HTM ICC INTERNATIONAL CODE COUNCIL ANSI A117.1-2009 - ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	AEC ALUMINUM EXTRUDERS COUNCIL 1000 N. RAND ROAD, SUITE 214 WAUCONDA, IL 60084 TEL: 847.526.2010 FAX: 847.526.3993 HTTP://WWW.AEC.ORG/

APPROX

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SECTION >FRAMING SAME AS PLAN VIEW BATT WWW. PRAY FOAM YPSUM

ASBESTOS ABATEMENT GENERAL NOTES

THE FOLLOWING TASKS ARE ASSUMED TO HAVE A MINIMAL IMPACT ON EXISTING ASBESTOS-CONTAMINATED WALLS, COLUMNS, CEILING DECK, AND FLOOR SLABS. THESE TASKS SHALL BE COMPLETED BY A LICENSED ASBESTOS ABATEMENT CONTRACTOR IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, AS WELL AS THE APPROVED SITE SPECIFIC VARIANCE PROVIDED IN THE PROJECT MANUAL. COORDINATE THE LAYOUT AND SCHEDULING OF THIS WORK

WITH THE DIRECTOR'S REPRESENTATIVE. INSTALLATION OF DOOR FRAME AND ANCHORS. INSTALLATION OF INTERIOR STOREFRONT SYSTEM FLOOR AND WALL ANCHORS AT ELEVATOR LOBBIES.

INSTALLATION OF WALL FRAMING RUNNER TRACK INSTALLATION. FLOOR SLAB PREPARATION SHALL NOT INCLUDE SCARIFICATION OR PAINTING OF EXISTING WALLS. PAINT PREPARATION WORK SHALL NOT INCLUDE SANDING. INSTALLATION OF WOOD NAILERS FOR MILLWORK. INSTALLATION OF EXTERIOR WALL COLD FORMED METAL FRAMING RUNNER TRACK.

ASBESTOS-CONTAINING MATERIALS AND 028304 FOR HANDLING OF LEAD-CONTAINING MATERIALS. REFER TO SPECIFICATION SECTION 003126 FOR EXISTING HAZARDOUS MATERIALS INFORMATION AND THE PRE-RENOVATION HAZARDOUS MATERIALS SURVEY REPORT APPENDED TO THE PROJECT MANUAL. REFERENCE DRAWINGS LISTED ON THE TITLE SHEET G-001 SHALL BE USED TO ESTIMATE ELEMENTS OF THE BUILDING TO BE ABATED. THE REFERENCE DRAWINGS INDICATE EXISTING CONDITIONS THAT THE CONTRACTOR WILL ENCOUNTER. UTILIZE THESE DRAWINGS TO ESTABLISH QUANTITIES AND BID FOR REMOVALS. ALL FLOOR PENETRATIONS PRESENT AT THE BEGINNING OF WORK OR EXPOSED DURING WORK SHALL BE SEALED WATERTIGHT AND REMAIN SO THROUGHOUT THE ASBESTOS ABATEMENT ACTIVITIES. IT IS CRITICAL THAT THE CONTAINMENT AREAS < REMAIN WATERTIGHT THROUGHOUT THE DURATION OF THE WORK AND THAT NO LEAKS REACH THE OCCUPIED FLOORS BELOW. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE SEAMS ON THE FLOORS OF CONTAINMENT

REFER TO SPECIFICATION SECTION 028213 FOR REMOVAL AND DISPOSAL OF

ENCLOSURES. COORDINATE THE USE OF THE C-CONTRACT HOISTWAY ON THE EXTERIOR OF THE BUILDING WITH THE DIRECTOR'S REPRESENTATIVE. PROVIDE THE DIRECTOR'S REPRESENTATIVE WITH TWO WEEK'S NOTICE PRIOR TO MOBILIZING TO THE SITE.

FLOOR PLAN NOTES

DO NOT SCALE THE DRAWINGS. IF THERE IS A MISSING DIMENSION, OR ONE THAT IS NOT CLEAR IN THE CONSTRUCTION DOCUMENTS, REQUEST CLARIFICATION OF THAT DIMENSION FROM THE DIRECTOR'S REPRESENTATIVE. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL, STATE AND FEDERAL CODES AND REGULATIONS. WHERE A NON-COMPLIANT CONDITION OCCURS , THOSE CODES ARE TO TAKE PRECEDENCE OVER THE DRAWINGS AND SPECIFICATIONS. IF A DISCREPANCY IS DISCOVERED, INFORM THE DIRECTOR'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH THE WORK. VERIFY ALL DIMENSIONS, BOUNDARIES, GRADE ELEVATIONS, AND OTHER

NECESSARY DIMENSIONAL GUIDES ON SITE AND COMPARE THEM TO THE CONSTRUCTION DOCUMENTS. IMMEDIATELY REPORT ANY DISCREPANCIES TO THE DIRECTOR'S REPRESENTATIVE FOR CLARIFICATION AND DIRECTIVES ON HOW ALL DIMENSIONS PROVIDED ARE TO THE FACE OF MATERIALS/CONSTRUCTION, UNLESS NOTED OTHERWISE. ALL DIMENSIONS, NOTES, FINISHES AND FIXTURES SHOWN ON THE FLOOR PLANS, SECTIONS, DETAILS, AND OTHER ILLUSTRATIONS SHALL APPLY TO ALL SIMILAR, OPPOSITE HAND, OR SYMMETRICAL PLANS, SECTIONS OR DETAILS. ALL PARTITIONS/WALLS SHALL BE ALIGNED WITH THE CENTER, OR NEAREST EDGE

OPENINGS, ETC. UNLESS OTHERWISE NOTED. FAILURE TO ILLUSTRATE OR MENTION MINOR DETAILS SHALL NOT BE WARRANT FOR OMISSION OF NECESSARY APPURTENANCES FOR THE NORMAL, USUAL OR PROPER COMPLETION OF THE WORK. H. COORDINATE ALL WORK OF THE "C" CONTRACT WITH ALL OTHER CONTRACTS

(AS INDICATED ON THE DRAWINGS) OF EXISTING WALLS, COLUMNS, WINDOW

ISSUED AS PART OF THIS SET OF CONSTRUCTION DOCUMENTS. PROVIDE BLOCKING PER DRAWING 6 / A-051 WHERE TV'S ARE INDICATED, REFER TO DRAWING A-130 FOR TV LOCATIONS.

CEILING PLAN NOTES

A. ALL CEILINGS SHALL BE INSTALLED AT THE HEIGHT ABOVE FINISH FLOOR, AS INDICATED ON THE REFLECTED CEILING PLANS. SEQUENCE INSTALLATION OF CEILING MATERIALS ONLY AFTER ALL OVERHEAD WORK IS COMPLETED, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SYSTEMS. THOSE SYSTEMS SHOULD BE TESTED AND APPROVED BEFORE THE CEILING IS INSTALLED. VERIFY CEILING LAYOUTS AND HEIGHTS WITH ACTUAL FIELD CONDITIONS AND MEASUREMENTS PRIOR TO INSTALLATION. VERIFY LOCATION OF PENETRATING SYSTEMS IN THE FIELD.

SUPPORT SUSPENDED SYSTEMS INDEPENDENT OF WALLS, COLUMNS, DUCTS, PIPES AND CONDUIT. MAINTAIN FACE PLATE WITH ADJACENT MEMBERS WHEN SPLICING CARRYING TEES. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.

USE PROPERLY PLACED AND SUSPENDED LOAD-CARRYING FRAME CHANNELS TO MAINTAIN HANGER SPACING AND VERTICAL POSITION WHEN INTERRUPTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT, OR ANY OTHER

HORIZONTALLY RUN EQUIPMENT. COORDINATE WITH ALL OTHER WORK SUPPORTED BY OR PENETRATING THE CEILING SYSTEMS, WHICH MAY BE MECHANICAL OR ELECTRICAL SYSTEMS INCLUDING BUT NOT LIMITED TO RETURN AND SUPPLY AIR DIFFUSERS, LIGHT FIXTURES, EMERGENCY LIGHTING, EXIT SIGNS, FIRE DETECTION SYSTEMS, FIRE SUPPRESSION SYSTEMS, AUDIO AND VISUAL EQUIPMENT.

REFER TO TYPICAL ATTACHMENT DETAILS AT DRAWING A-051 FOR LIMITATIONS TO

ROOF PLAN GENERAL NOTES

HANGING FROM FLOOR SLABS.

EXISTING ROOFING SHALL REMAIN. PATCHING/TIE-IN WORK AT NEW WORK ONLY. ROOFING CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER DISCIPLINES FOR ALL ROOF PENETRATIONS AND INTEGRATED SYSTEMS, INCLUDING BUT NOT LIMITED TO MECHANICAL, PLUMBING, ELECTRICAL AND STRUCTURAL WORK. CHECK PROJECTIONS, CURBS, DECK AND PARAPETS FOR ADEQUACY OF PROPER ANCHORING OF WORK. ALSO CHECK FOR FOREIGN MATERIAL, MOISTURE AND

UNEVENNESS THAT WOULD PREVENT THE PROPER IMPLEMENTATION OF THE ARRANGE WORK SEQUENCE TO AVOID USE OF CONSTRUCTED ROOFING FOR STORAGE OF MATERIAL, WALKING SURFACE DURING CONSTRUCTION, AND EQUIPMENT MOVEMENT. WHERE SUCH ACCESS IS ABSOLUTELY REQUIRED, PROVIDE TEMPORARY AND NECESSARY PROTECTION AND/OR BARRIERS TO SEGREGATE THE WORK AREAS AND PREVENT DAMAGE TO ROOFING MEMBRANE. PLYWOOD AND POLYESTER FELT SHALL BE USED FOR ALL ROOFING AREAS TO RECEIVE TRAFFIC DURING CONSTRUCTION. ALL WORK SHALL BE PROPERLY SCHEDULED AND EXECUTED WITHOUT EXPOSING THE INTERIOR OF THE BUILDING AREAS TO THE EFFECTS OF INCLIMATE WEATHER EVENTS. BUILDING AND CONTENTS SHALL BE PROTECTED AGAINST ALL RISKS. CONTRACTOR IS RESPONSIBLE TO REPAIR ANY WORK RESULTING FROM SUCH INCIDENTS, AT NO EXTRA COST, TO THE LIKE- CONDITIONS OF EXISTING ALL PERMANENT OR TEMPORARY CONSTRUCTION ITEMS INCLUDING EQUIPMENT AND ACCESSORIES SHALL BE SECURED IN SUCH A MANNER AT ALL TIMES TO

PRECLUDE ANY POTENTIAL BLOW-OFF OR WIND DAMAGE. INSULATION, ROOFING MATERIAL, FLASHINGS & TRIM AND VAPOR BARRIERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SPECIFICATIONS. MATERIALS SHALL BE APPLIED ONLY BY A CONTRACTOR AUTHORIZED BY THE ROOFING/ACCESSORY MANUFACTURER.

RESTROOM NOTES

A. DIMENSIONS AND CLEARANCES PROVIDED IN THE DRAWINGS FOR RESTROOMS (PLANS AND ELEVATIONS) ARE IN COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE AND THE ICC/ANSI A117.1 STANDARDS (UON)

GRAB BARS AND OTHER WALL MOUNTED ACCESSORIES ARE ILLUSTRATED IN ELEVATION AND PLANS, SHOWING TYPICAL MOUNTING HEIGHT, LOCATIONS AND CLEARANCES REQUIRED. FIRE RETARDANT WOOD BLOCKING SHALL BE PROVIDED FOR ALL WALL MOUNTED ACCESSORIES IN METAL STUD WALLS. INCLUDING GRAB BARS. COORDINATE WITH THE EQUIPMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS. EXPANSION ANCHORS SHALL BE USED IN MASONRY WALLS.

PROVIDE EITHER 2X6 WOOD BLOCKING OR METAL STRAP BLOCKING BETWEEN STUDS WITHIN THE WALLS AT GYP BD PARTITIONS TO SUPPORT MILLWORK, REFERENCE DETAIL 3 / A-051. LOCATION AND TYPE OF PLUMBING FIXTURES SHALL BE COORDINATED WITH THE

PLUMBING DRAWINGS AND SCHEDULES. PROVIDE ALL ACCESSORIES INDICATED FOR EACH RESTROOM. ADDITIONAL ACCESSORY INFORMATION IS PROVIDED IN THE ACCESSORIES SCHEDULE AND WRITTEN SPECIFICATIONS.

WHERE GRAB BARS ARE MOUNTED TO TOILET PARTITIONS, USE TAMPER PROOF THROUGH BOLTS IN LIEU OF STANDARD ANCHORS/SCREWS. PROVIDE ADDITIONAL SUPPORTS AT WALL MOUNTING FOR TOILET PARTITION TO SUPPORT ADDITIONAL EXPECTED WEIGHT BEING INDUCED ON PARTITION WITH GRAB BAR USE.

CURTAIN WALL INSTALLATION NOTES

ATTACHMENTS OF MAST CLIMBERS, OR ANY OTHER SUPPORTED SCAFFOLDING TO THE BUILDING, IS PROHIBITED.

> REVISED DRAWING 10/7/2024

NEW YORK Office of STATE OF OPPORTUNITY. General Services

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CONSULTANTS:

CERTIFICATE OF AUTHORIZATION #: 0018046 Architecture. Engineering. Surveying. Environmental.

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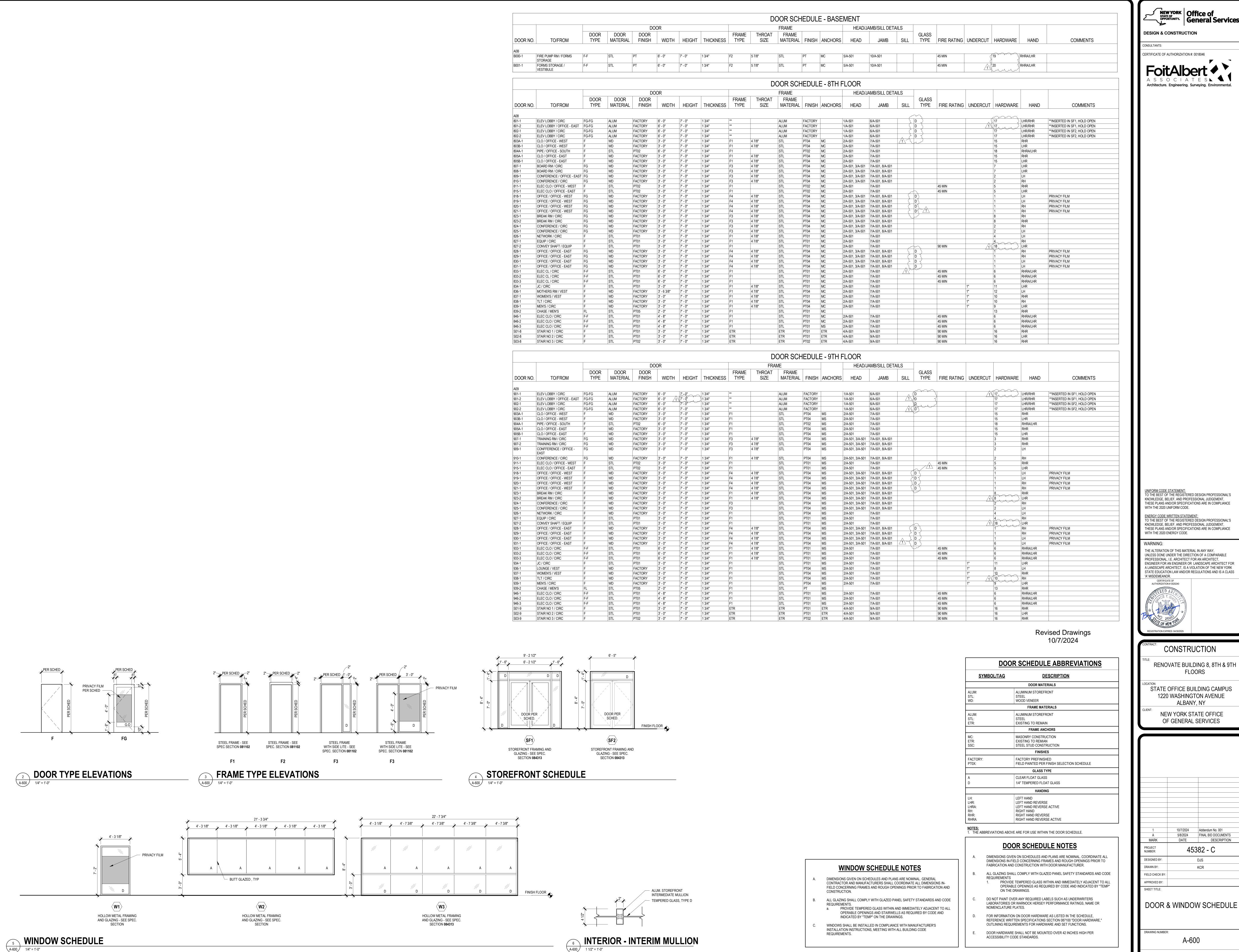
NEW YORK STATE OFFICE OF GENERAL SERVICES

10/7/2024 Addendum No. 001 5/8/2024 FINAL BID DOCUMENTS DATE DESCRIPTION PROJECT NUMBER: 45382 - C DESIGNED BY: DJS DRAWN BY: KCR FIELD CHECK BY:

ARCHITECTURAL NOTES, LEGENDS, & SYMBOLS

DRAWING NUMBER:

APPROVED BY:



NEW YORK Office of STATE OF OPPORTUNITY. General Services **DESIGN & CONSTRUCTION** CERTIFICATE OF AUTHORIZATION #: 0018046 Architecture. Engineering. Surveying. Environmental.

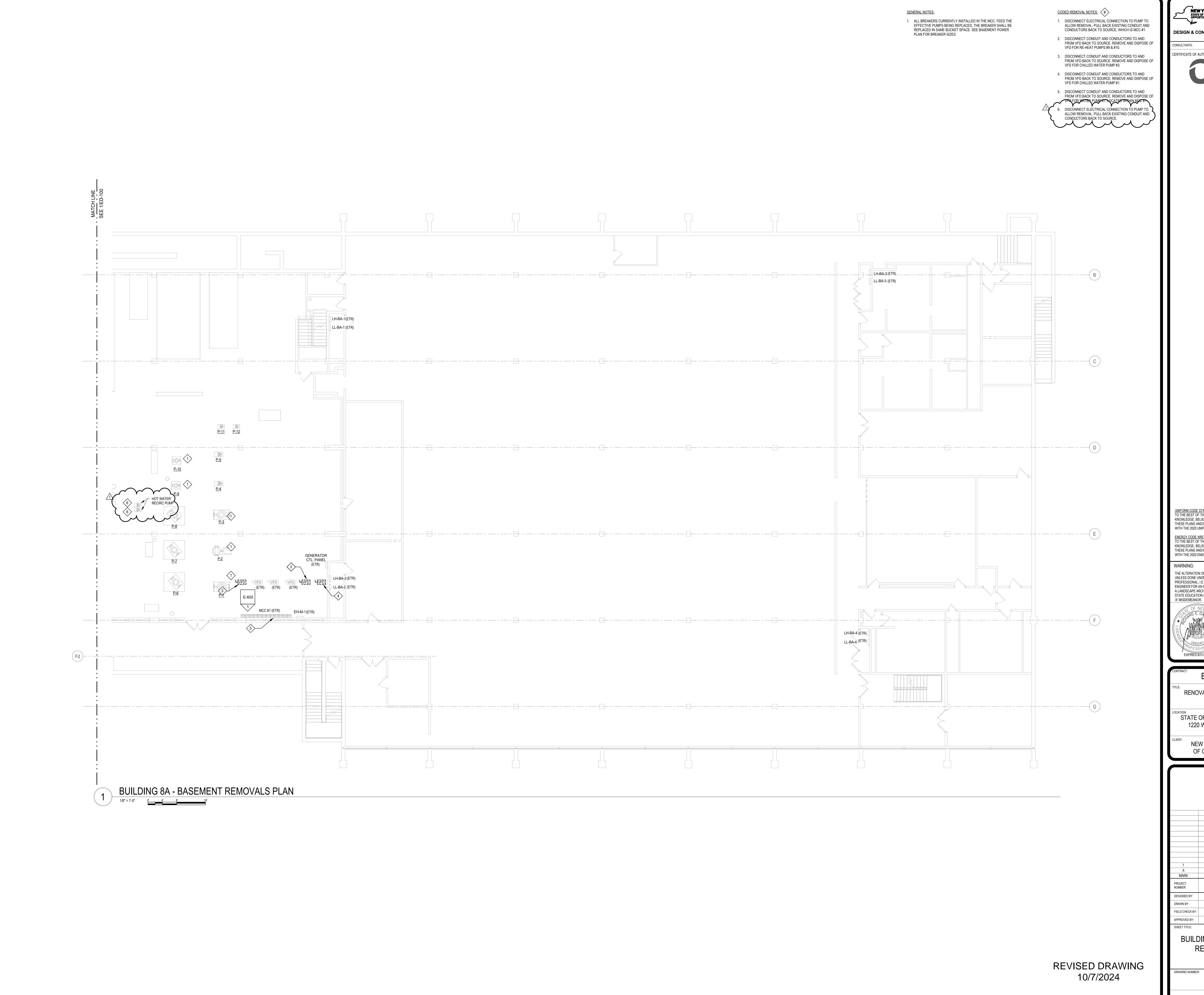
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CONSTRUCTION

RENOVATE BUILDING 8, 8TH & 9TH FLOORS

ALBANY, NY

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OF NEW

COLUMN AND ADDRESS NO. APPOPESSIONA

EXPIRES 8/31/2027

ELECTRICAL

RENOVATE BUILDING 8, 8TH & 9TH

LOCATION:
STATE OFFICE BUILDING CAMPUS
1220 WASHINGTON AVENUE
ALBANY, NY
CLIENT:

NEW YORK STATE OFFICE
OF GENERAL SERVICES

1 10/07/2024 ADDENDUM 1
A 05/08/2024 FINAL BID DOCUMENTS
MARK DATE DESCRIPTION

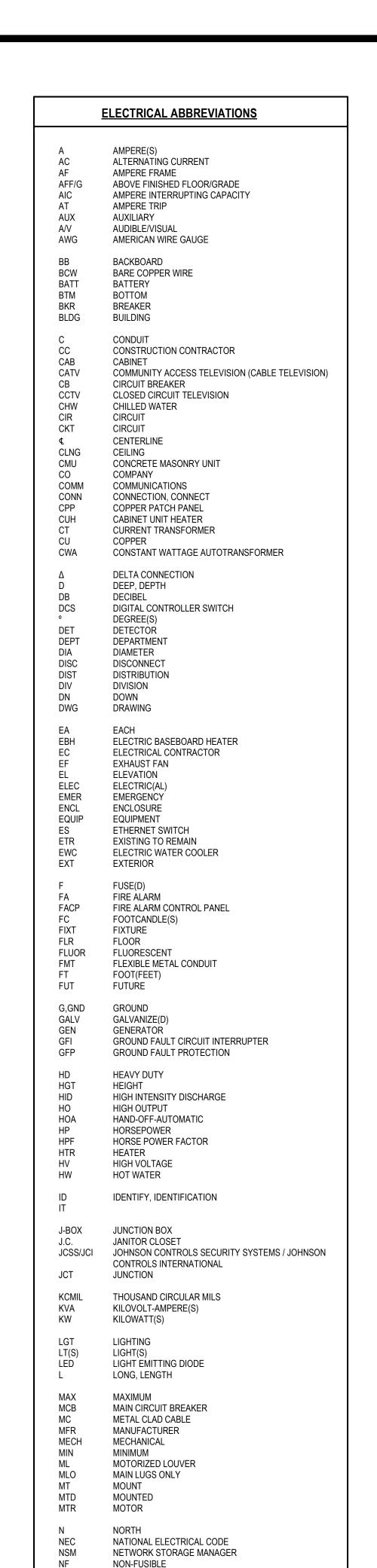
PROJECT
NUMBER: 45382 - E

DESIGNED BY: PMR
DRAWN BY: TJD

FIELD CHECK BY:
APPROVED BY:
SHEET TITLE:

BUILDING 8A - BASEMENT
REMOVALS PLAN

ED-100A



NIGHT LIGHT

OVER COUNTER

PUBLIC ADDRESS

PANEL

PAIR

RECEPT RECEPTACLE

PRIMARY

POWER

OVERLOAD

OPTICAL FIBER TERMINATION RACK

OFFICE OF GENERAL SERVICES

POWER OVER ETHERNET SWITCH

POTENTIAL TRANSFORMER

RIGID GALVANIZED STEEL

TEMPORARY/TEMPERATURE

UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY

VARIABLE FREQUENCY DRIVE

WORK STATION CIRCUIT SEPARATOR

ROOT MEAN SQUARE

SECONDARY

SHIELDED

THERMOSTAT

UNIT HEATER

VOLT-AMPERE(S)

WATT(S) / WIRE(S)

WEATHERPROOF

WYE CONNECTION

WITH

XFMR TRANSFORMER

TERMINAL BOARD

SPEAKER

SWITCH

TYPICAL

NUMBER

NO#

OFTR

OGS

POE

PR

PRI

PWR

RGS

RMS

SPKR

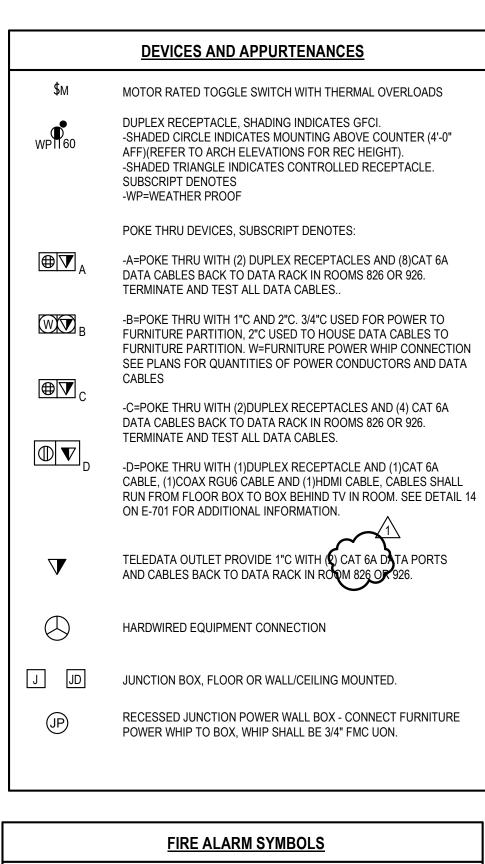
T-STAT

TYP

VFD

W/

WSCS



<u>LIGHTING</u>

FIXTURE(S) WITH MATCHING LETTER

DIAGRAMS ON SHEET E-702)

INFRARED PRESENCE DETECTOR

SINGLE POLE LIGHT SWITCH, SUBSCRIPT DENOTES:

- a = LOWER CASE LETTER DENOTES CONTROL OF

1 - ONE ZONE, ONE SLIDER, ONE BUTTON

SWITCH WITH MASTER ON/OFF, WALL MOUNTED

- DS = DIGITAL DIMMING LOW-VOLTAGE LIGHTING SWITCH,

3 - THREE ZONE, THREE SLIDERS, THREE BUTTONS

- SS4 = FOUR BUTTON LOW-VOLTAGE LIGHTING DIMMER

CEILING MOUNTED OCCUPANCY SENSOR (SEE WIRING

2. DUALTECH PASSIVE INFRARED AND 40 KHZ ULTRASONIC

PROVIDE WITH TWO 20A RELAY POWER PACKS

4. 40 KHZ ULTRASONIC PRESENCE DETECTOR WITH

TWO 20A RELAY POWER PACKS.

CEILING MOUNTED DAYLIGHT SENSOR

L - LIGHTING CONTROLLER

TYPICAL LIGHTING FIXTURE.

a-INDICATES CONTROL ZONE

GENERATOR CONNECTION

WALL MOUNTED STRIP TYPE FIXTURE

CEILING MOUNTED DOWN LIGHT

2'X2' LIGHT FIXTURE

STRIP TYPE FIXTURE

5. OS1 WITH TWO CONTROL CONTACTS, PROVIDE WITH

DIGITAL CONTROLLER SWITCH WITH THREE 20A RELAYS AND

CEILING, FOR LIGHTING AND RECEPTACLE CONTROL UNLESS

THRFF 0-10V DIMMERS. MOUNT ABOVE ACOUSTICAL TILE

SHADED TRIANGLE - RECEPTACLE ONLY CONTROLLER

SHADING INDICATES EMERGENCY BATTERY DRIVER OR

EXIT SIGN. ARROWS INDICATE EXIT DIRECTION SHOWN ON

ONE LINE DIAGRAMS

POWER TRANSFORMER

SAFETY DISCONNECT SWITCH - UNFUSED

AWIPS FRAME — 400AF | AMPS TRIP — 400AT | GFP MOLDED CASE CIRCUIT BREAKER W/GROUND FAULT PROTECTION

x-INDICATES FIXTURE TAG IDENTIFICATION

#-INDICATES BRANCH CIRCUIT DESIGNATION

OS2 WITH ONE CONTROL CONTACT AND ONE 20A RELAY

POWER PACK, R INDICATES RECEPTACLE CONTROL

BIDIRECTIONAL COVERAGE PATTERN FOR HALLWAYS

PRESENCE DETECTOR WITH TWO CONTROL CONTACTS,

REFER TO LIGHTING FIXTURE SCHEDULE FOR TYPE, LAMP, POWER

REQUIREMENTS, MOUNTING HEIGHT AND MANUFACTURER.

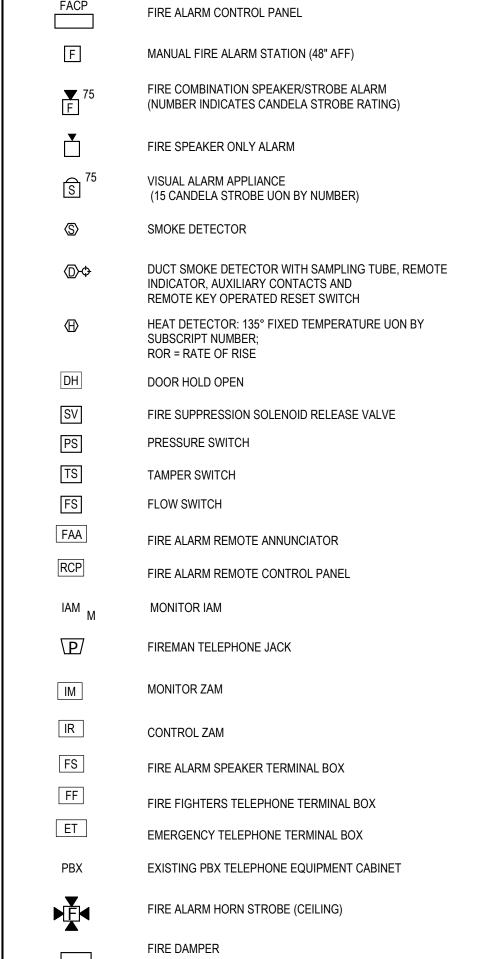
- 3 = 3 WAY SWITCH

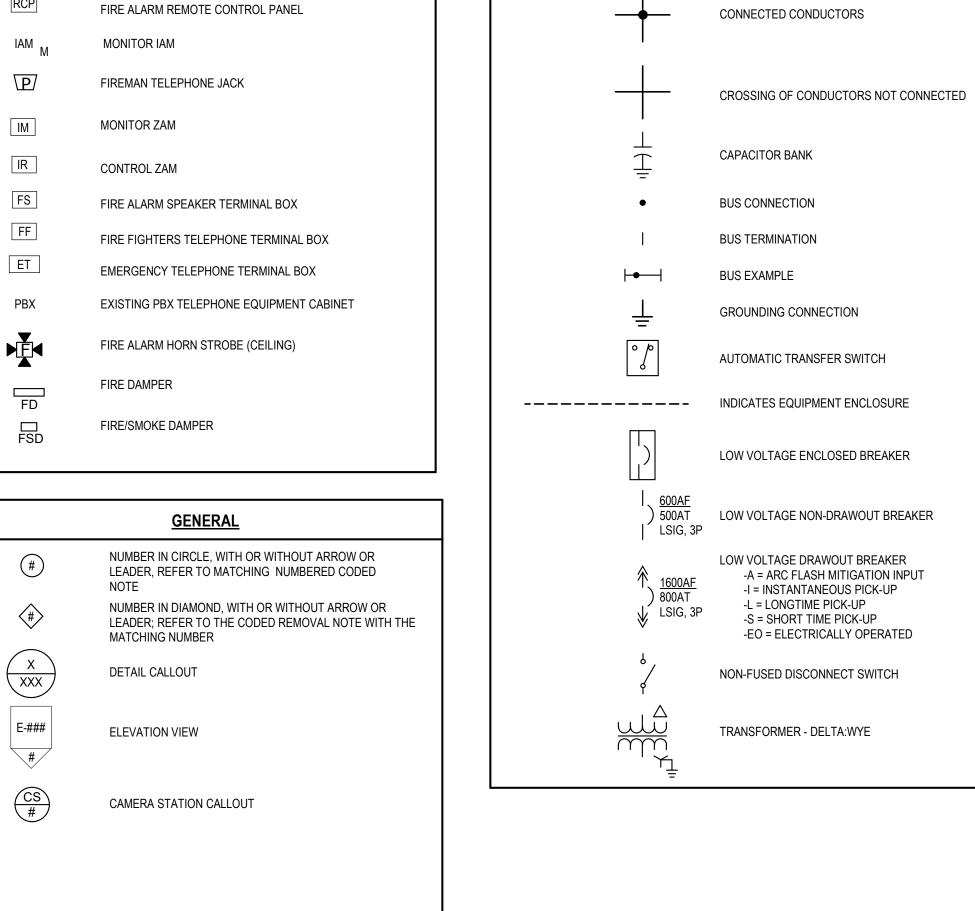
- 4 = 4 WAY SWITCH

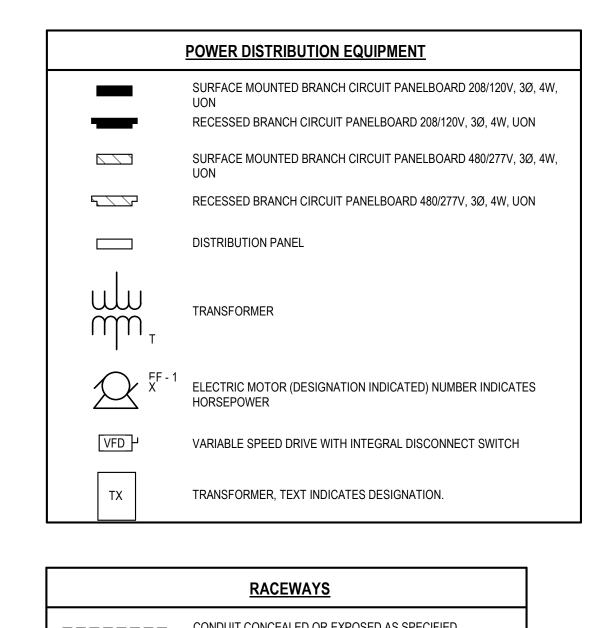
- D = DIMMER SWITCH

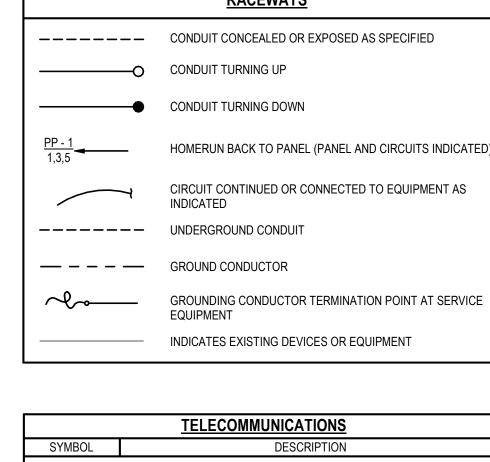
- K = KEYED SWITCH

WALL MOUNTED









T ATA OUTLET BOX, MOUNT AT 18"AFF UON. PROVIDE

FITTINGS AND TRANSITIONS AS SHOWN ON PLANS

DUAL POST DATA RACK

CAT6A CABLE BACK NEAREST DATA RACK ON SAME FLOOR.

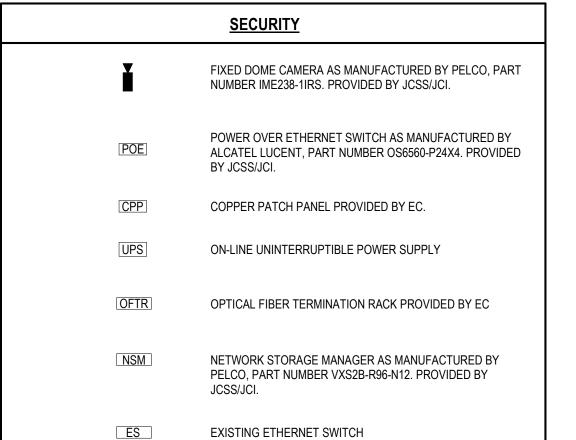
JUNCTION DATA WALL BOX - CONNECT FURNITURE DATA TO

WIRELESS ACCESS POINT (PROVIDE DOUBLE GANG WORK BOX WITH

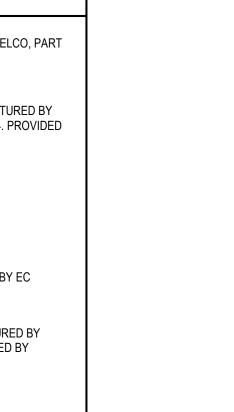
CONDUIT TO ACCESSIBLE CEILING) AND CAT6A CABLE FROM WAP TO

DATA RACK IN ROOM 826 OR 926. WAP DEVICE TO BE FURNISHED BY

OGS IT DEPT AND INSTALLED BY ELECTRICAL CONTRACTOR.



	RACEWAYS
	CONDUIT CONCEALED OR EXPOSED AS SPECIFIED
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
PP - 1 1,3,5	HOMERUN BACK TO PANEL (PANEL AND CIRCUITS INDICATED)
	CIRCUIT CONTINUED OR CONNECTED TO EQUIPMENT AS INDICATED
	UNDERGROUND CONDUIT
	GROUND CONDUCTOR
~~~	GROUNDING CONDUCTOR TERMINATION POINT AT SERVICE EQUIPMENT
	INDICATES EXISTING DEVICES OR EQUIPMENT



2. ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY THE ELECTRICAL CONTRACT UNLESS OTHERWISE INDICATED. 3. COORDINATE WORK WITH ALL TRADES. MECHANICAL EQUIPMENT INDICATED ON 'M', 'P' AND 'FP' DRAWINGS WILL BE PROVIDED BY DIVISION 21, 22, 23, 25 AND WIRED COMPLETE BY DIVISION 26, 27 AND 28 UNLESS OTHERWISE NOTED. REFER TO MECHANICAL, PLUMBING AND FIRE PROTECTION DOCUMENTS. 4. CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. EXACT LOCATION OF ALL CONDUIT RUNS SHALL BE DETERMINED IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORKS, ACCESS DOORS AND WORK BY OTHER TRADES. 5. CONCEAL CONDUITS AND/OR WIRING WITHIN WALLS, UNDER FLOORS AND/OR ABOVE SUSPENDED CEILINGS WHEREVER POSSIBLE. 6. GENERAL NOTES APPLY TO ALL CONTRACT DRAWINGS. 7. FIBER/CAT 6 SHALL BE INSTALLED IN CONTINUOUS LENGTH FROM TERMINATION POINT TO TERMINATION POINT

8. TEST ALL CAT 6 CABLE AND TERMINATIONS FOR DEFECTS AND VERIFY CABLING SYSTEM PERFORMANCE UNDER INSTALLED CONDITIONS ACCORDING TO THE REQUIREMENTS OF ANSI/TIA/EIA-568-B. 9. TEST AND CERTIFY ALL WIRES ARE FREE OF SHORTS, OPENS, OR GROUNDS.

10. CAMERA STATIONS MOUNTING: JCSS/JCI SHALL USE APPROPRIATE FASTENERS AND SUPPORTS TO MOUNT CAMERA STATION HOUSINGS WITH THE BUILDING STRUCTURES SO THAT THEY ARE SECURED. 11. JCSS/JCI SHALL PROVIDE A NAME PLATE AT EACH CAMERA STATION. INDICATE CAMERA STATION NUMBER.

12. CAMERA STATION AIMING AND MONITORING: A. IN ROOMS (OR AREAS) WHERE MULTIPLE CAMERA STATIONS ARE SHOWN, JCSS/JCI SHALL LOCATE AND AIM CAMERA STATIONS SO THAT THE ENTIRE ROOM/AREA IS COMPLETELY COVERED BY THE CAMERA STATIONS. B. IN ROOMS WHERE A SINGLE CAMERA STATION IS SHOWN, JCSS/JCI SHALL LOCATE AND AIM CAMERA STATION TO PROVIDE AS MUCH SURVEILLANCE OF THE ROOM AS POSSIBLE WITHIN THE FIELD OF VIEW LIMITS OF THE CAMERA STATION LENS.

13. CCTV SYSTEM SHALL HAVE 30 DAYS RETENTION WITH THE FOLLOWING PARAMETERS: A. RECORDING: 24/7 B. FRAMERATE: 15 FPS C. RESOLUTION: 1920x1080 D. FORMAT: MJPEG AND H.264

E. MOTION DETECTION ON ALL CAMERAS 14. ALL HORIZONTAL DATA CABLING TO BE UTH CATEGORY 6A

GENERAL ASBESTOS ABATEMENT NOTES

**GENERAL NOTES** 

SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC.

AND LABELED AT EACH END POINT PER ANSI/TIA/EIA-606-A.

1. REFER TO SPECIFICATION SECTION 028213 FOR REMOVAL AND DISPOSAL OF ASBESTOS-CONTAINING MATERIALS.

2. REFER TO SPECIFICATION SECTION 003126 FOR EXISTING HAZARDOUS MATERIALS INFORMATION AND ESTIMATED QUANTITIES

3. ALL FLOOR PENETRATIONS PRESENT AT THE BEGINNING OF WORK OR EXPOSED DURING WORK SHALL BE SEALED WATERTIGHT AND REMAIN SO THROUGHOUT THE ASBESTOS ABATEMENT ACTIVITIES, IT IS CRITICAL THAT THE CONTAINMENT AREAS REMAIN WATERTIGHT THROUGHOUT THE DURATION OF THE WORK AND THAT NO LEAKS REACH THE OCCUPIED FLOORS BELOW. MAKE EVERY EFFORT TO MINIMIZE SEAMS ON THE FLOORS OF CONTAINMENT ENCLOSURES

4. COORDINATE USE OF THE ABATEMENT CONTRACTOR MAIN LIFT ON THE EXTERIOR OF THE BUILDING WITH THE DIRECTORS REPRESENTATIVE. PROVIDE DIRECTOR'S REPRESENTATIVE WITH TWO WEEK'S NOTICE WHEN MOBILIZING TO THE SITE.

> ALBANY, NY NEW YORK STATE OFFICE OF GENERAL SERVICES

05/08/2024 FINAL BID DOCUMENTS DATE DESCRIPTION PROJECT 45382 - E NUMBER: DESIGNED BY: PMR DRAWN BY: TJD FIELD CHECK BY: APPROVED BY:

LEGEND, ABBREVIATIONS AND SYMBOLS

DRAWING NUMBER: E-001



NOTE: MODEL NUMBER FOR LIGHT FIXTURES SHALL SERVE AS THE MINIMUM REQUIREMENTS FOR THE FIXTURES FEATURES, SUCH AS FIXTURE MATERIAL CONSTRUCTION, LUMEN OUTPUT, WATTAGE CONSUMPTION, MOUNTING TYPE, LENSING, FINISH, VOLTAGE, LAMP

TEMPERATURE, CRI RATING, ETC.

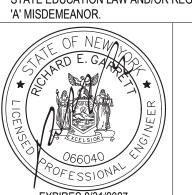
REVISED DRAWING 10/7/2024

NEW YORK Office of **DESIGN & CONSTRUCTION** 1. REFER TO STRUCTURAL, ARCHITECTURAL, MECHANICAL, PLUMBING, SECURITY AND SYSTEMS DRAWINGS FOR CONSULTANTS: CERTIFICATE OF AUTHORIZATION #: 0021745

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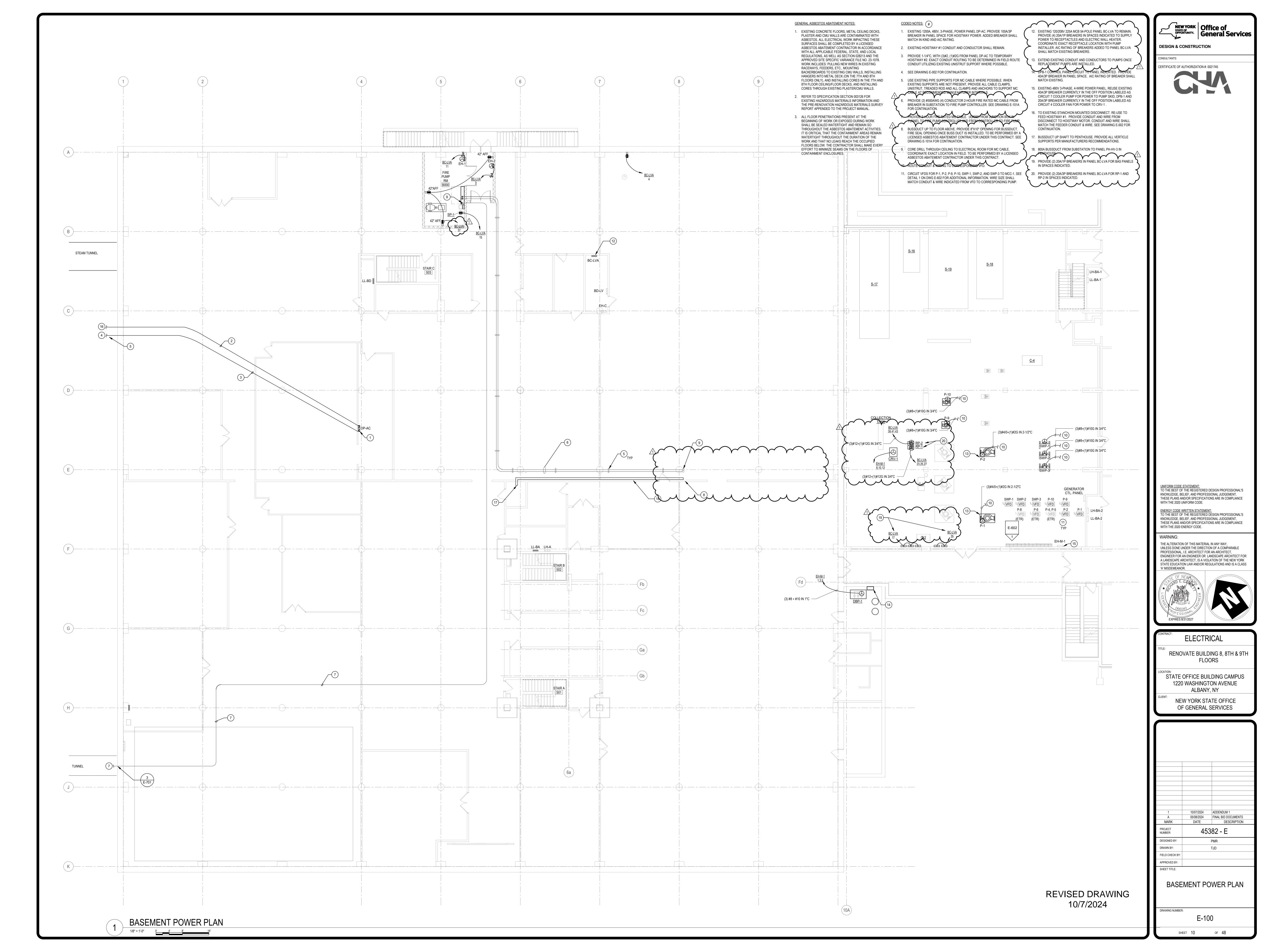
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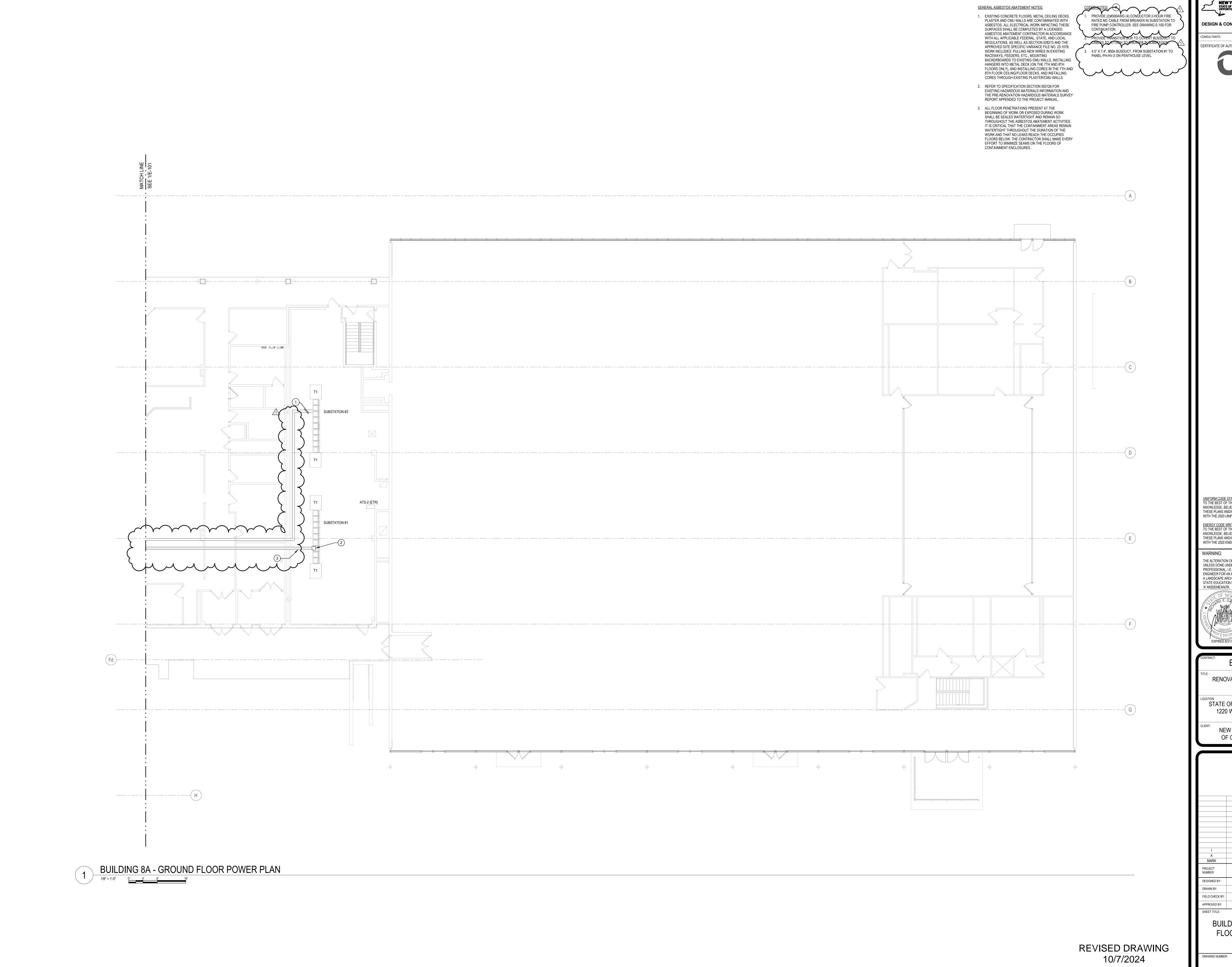
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RENOVATE BUILDING 8, 8TH & 9TH

STATE OFFICE BUILDING CAMPUS 1220 WASHINGTON AVENUE





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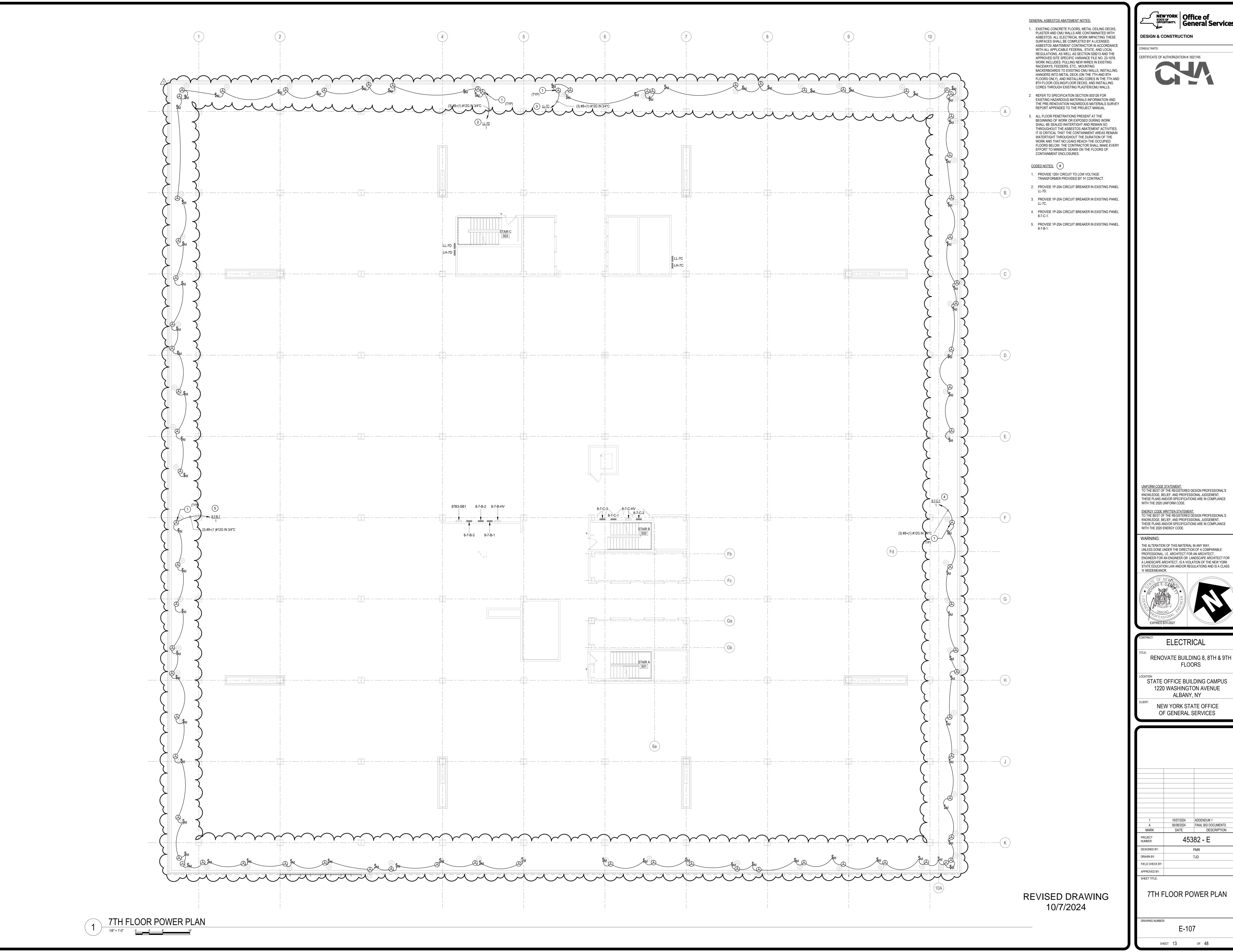
 
 10/07/2024
 ADDENDUM 1

 05/08/2024
 FINAL BID DOCUMENTS

 DATE
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 45382 - E FIELD CHECK BY:

**BUILDING 8A - GROUND** FLOOR POWER PLAN

E-101A



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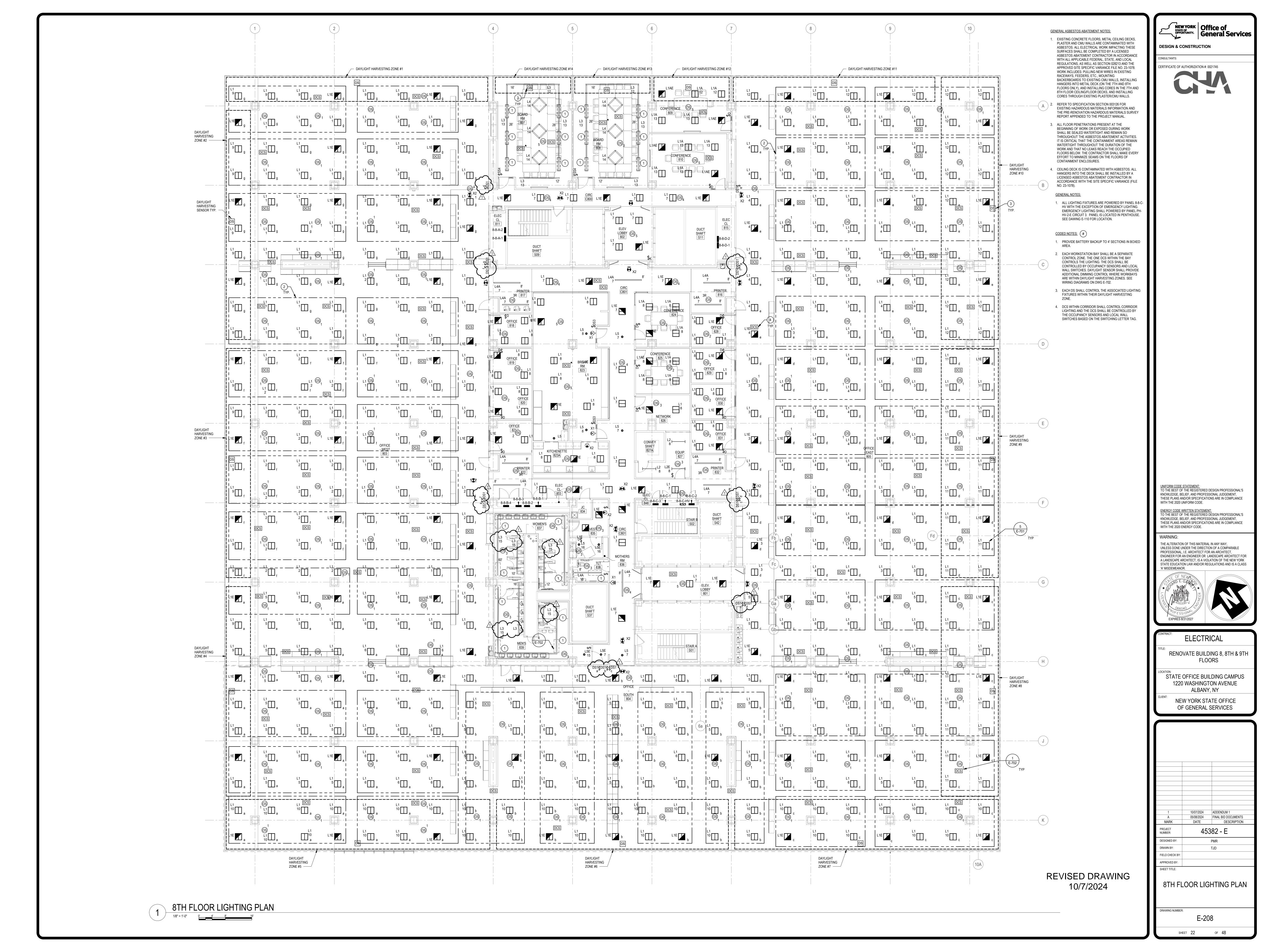


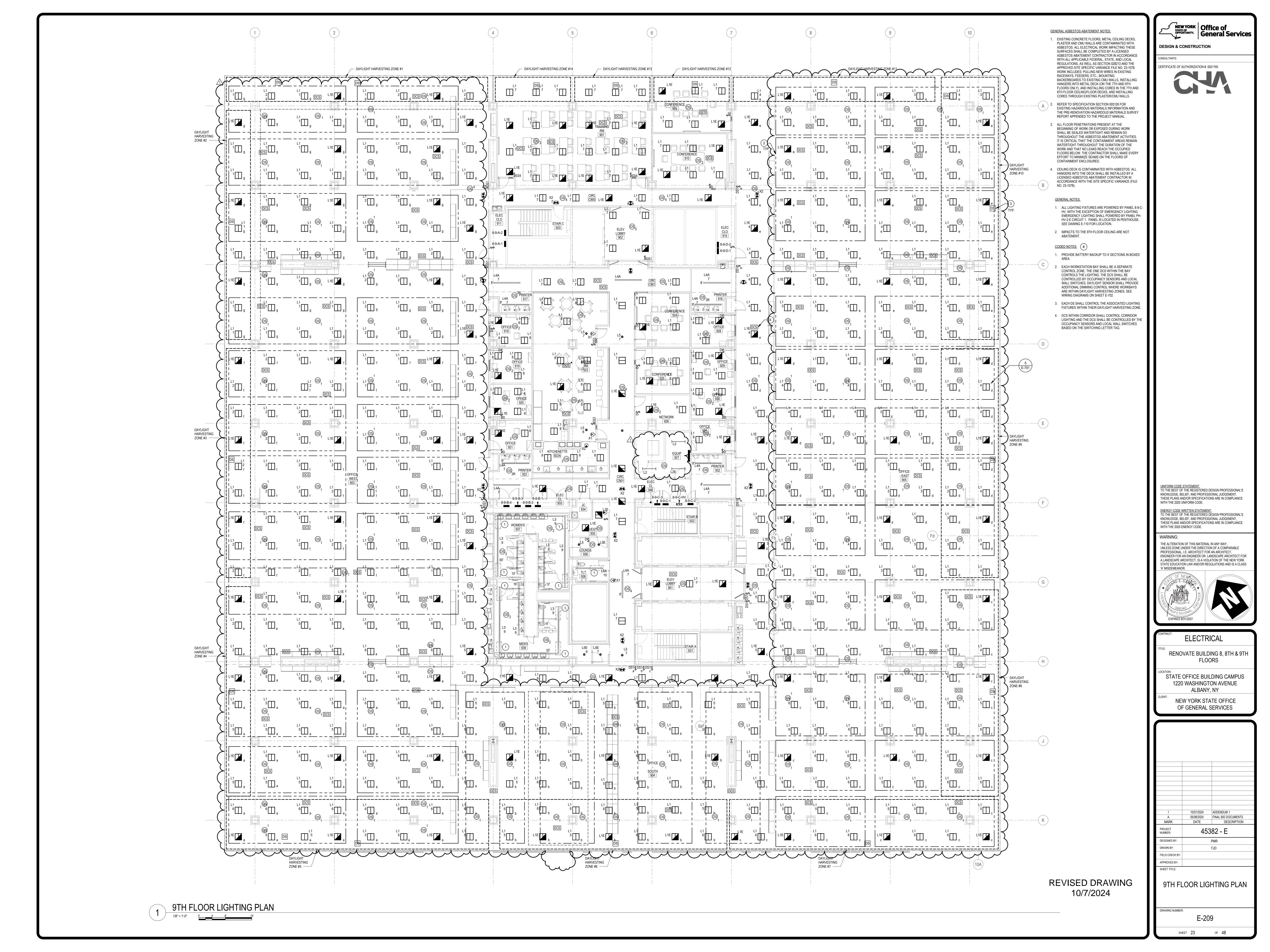
STATE OFFICE BUILDING CAMPUS

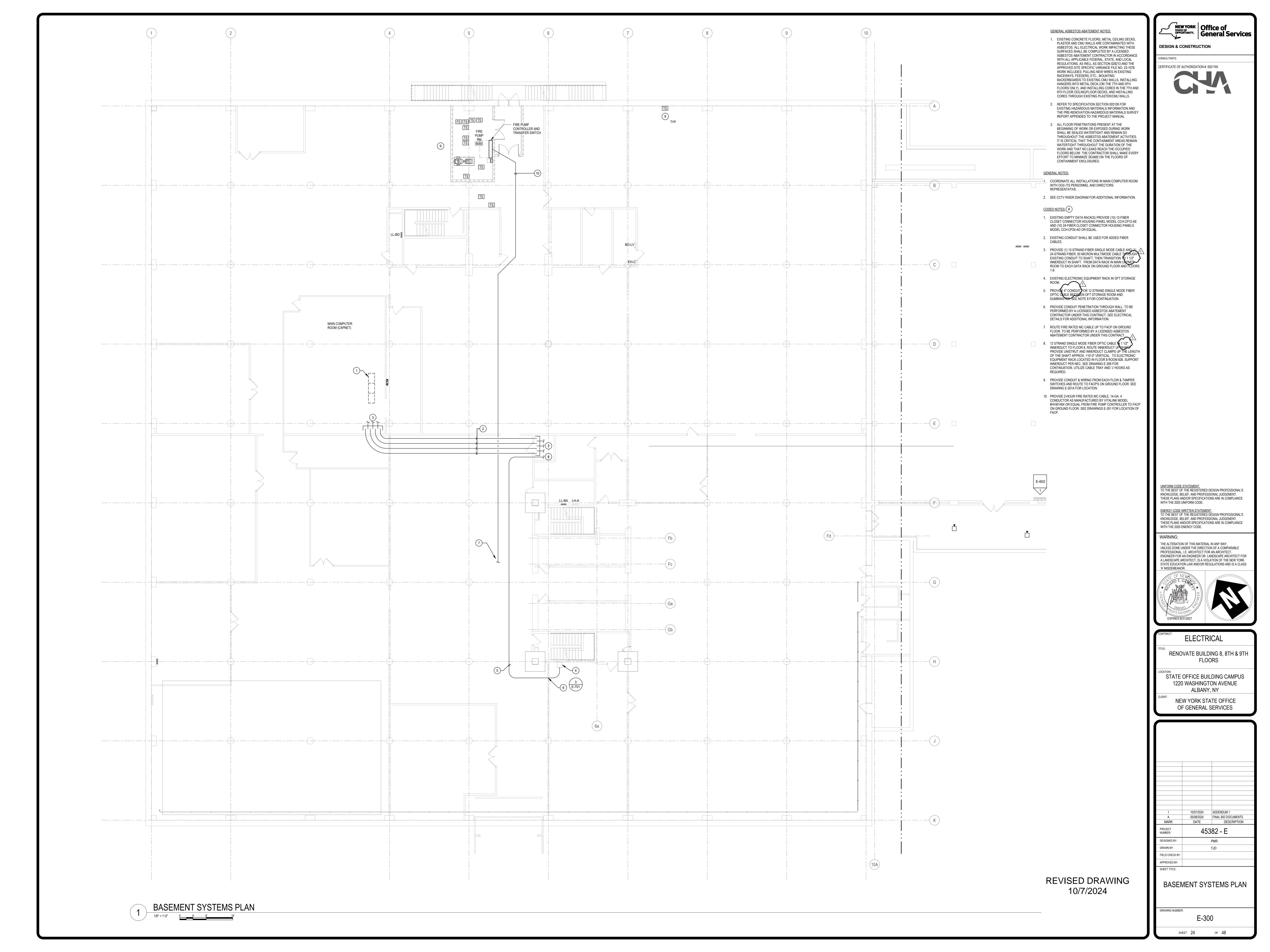
NEW YORK STATE OFFICE

05/08/2024 FINAL BID DOCUMENTS
DATE DESCRIPTION 45382 - E

7TH FLOOR POWER PLAN







## Revised Pre-Renovation Hazardous Materials Survey Report

**Building 8 & Building 8A** 

## Harriman Office Campus Albany, New York

CHA Project Number: 36038.1002.31000

Prepared for: New York State Office of General Services Empire State Plaza Albany, New York 12203

Prepared by:

III Winners Circle Albany, New York 12205

Albany, New York 12205 Phone: (518) 453-4500

Revised 10/07/2024

#### **QUALIFICATIONS AND CERTIFICATION STATEMENT**

This Revised Pre-Renovation Hazardous Materials Survey Report was compiled by a qualified environmental scientist who is also a EPA-trained and a NYSDOL certified asbestos building inspector employed by CHA.

This report has been prepared expressly for the use of The New York State Office of General Services. No other parties are entitled to rely upon this report unless our express written consent is first obtained. All conclusions drawn were based on CHA's review of available historical data, field inspection and analytical results from sampling performed during the course of this project. Recommendations are submitted based on CHA's knowledge, experience, and professional judgment.

Inspection and Report Completed By:

John Roche

Scientist III

Report Reviewed By:

_____

Henry Uhlig Principal Scientist VI



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#### 1.0 INTRODUCTION

CHA was retained by the New York State Office of General Services (OGS) to complete a prerenovation hazardous material survey of the basement through the 7th floor and exterior of Building 8 and the basement, ground floor and exterior of Building 8A, located at the Harriman Office Campus in Albany, New York. CHA previously surveyed the 8th floor, 9th floor, penthouse and main roof elevations. This survey, dated in June 12, 2017, is attached as Appendix H to this report. The areas inspected are shown on Figures 1-12 attached to this report. The basement through the seventh floor of Building 8 and basement and ground floor of Building 8A will be completely renovated. Renovations for the eighth floor, ninth floor, penthouse and roof of Building 8 are already underway. This survey was performed to facilitate the upcoming renovation project, ensuring that hazardous materials are properly identified prior to the work that will disturb them.

This survey report consists of five sections, including this Introduction. Section 2.0 presents the Scope of Work, which outlines the parameters by which this project was performed and the limitations that were encountered. Section 3.0 – Hazardous Materials Survey, details the findings of the building inspection and suspect materials identified. Section 4.0 presents a brief overview of the inspection results while Section 5.0 presents CHA's conclusions and recommendations regarding the areas in each building inspected.

#### 2.0 SCOPE OF WORK

CHA's survey of all accessible portions of the basement, ground floor and floors one through seven were completed per Chapter 9.8 – "Hazardous Materials Guide of the NYSOGS Design Procedures Manual". This includes the visual identification and sampling of suspect asbestos-containing materials (ACMs), lead-based paints (LBPs), PCB containing caulks/sealants, and a visual inspection for Mercury-containing items, PCB-containing items, (transformers/ballasts), Chlorofluorocarbons (CFCs), Bird Guano and Mold.

During the asbestos inspection, bulk samples of identified suspect asbestos-containing materials were collected based on the protocols referenced in 40 CFR Part 763.86 Subpart E (AHERA). All bulk samples collected by CHA were analyzed at AmeriSci New York, a laboratory accredited by the NYSDOH Environmental Laboratory Approval Program (ELAP).

Paint chip samples were collected at random locations throughout the basement through seventh floor and analyzed for percent lead content using Atomic Absorption Spectroscopy (AAS) at Atlas

CHA

Environmental Labs. Analysis was performed using ASTM Method D3335 for lead in paint.

CHA performed an inspection of the interior and exterior of the window systems for the presence of caulks and sealants suspected to contain PCBs. Samples were collected and analyzed for PCBs under EPA Method 8082 by CHEMTECH.

#### 2.1 LIMITATIONS

The figures attached to this report were drafted from AutoCAD base plans provided by OGS.

A limited number of electrical panels on the ground, second, fourth and sixth floors were opened and de-energized by OGS personnel. CHA visually inspected the interior of the panels and collected a representative bulk samples from each. Upon visual inspection of the interior of the panel boxes, CHA observed asbestos-containing spray-on fireproofing overspray applied to the interior sides of the electrical panel boxes, as well as debris that is suspect for asbestos on the bottom ledge within the electrical panel boxes. See Section 3.0 below for additional discussion of the electrical panel boxes.

There are five main duct shafts that travel vertically from the first floor up through the seventh floor continuing to penthouse level. These duct shafts which carry supply and return air to floors one through seven and are fully enclosed. CHA was able to inspect a limited number of duct shafts on floors that had an operable access door.

In-floor raceways systems are present within the floor slabs of the ground floor through seventh floor. Electrical and telecommunications cabling/wiring are installed in these raceway systems. Since all floors consist of occupied office space, numerous access points are covered by carpeting and work stations thereby making it difficult to locate many of the access points or the entire length of any given raceway in most locations. CHA was able to access a limited number of locations on each floor and collected samples of suspect debris if identified. See Section 3.0 below for additional discussion of the in-floor raceways.

#### 3.0 HAZARDOUS MATERIALS SURVEY

This Pre-Renovation Hazardous Material Survey Report was compiled by qualified environmental scientists who are also an Environmental Protection Agency (EPA) trained and New York State Department of Labor (NYSDOL) certified asbestos building inspectors (Thomas Bailly #03-02690

and John Roche #16-03885) employed by CHA, began the hazardous building survey for Building 8 & 8A on October 28, 2019 and finished November 21, 2019. CHA returned on January 23, 2020 to inspect the elevator shafts throughout Building 8. The survey of the basement, ground floor and floors one through seven of Building 8 was conducted from October 28, 2019 through November 20, 2019 and January 23, 2020. The 9th floor, penthouse and roof levels were previously surveyed by CHA on November of 2015 and the 8th floor in May of 2017. The survey of building 8A was conducted on November 18 through November 21, 2019. CHA's background research and field observations during each of the site inspections of building 8 & 8A with regard to suspect hazardous building materials are discussed below.

#### 3.1 RECORD REVIEW

CHA was provided a full set of record drawings for the subject buildings. CHA previously prepared a Pre-Renovation Hazardous Materials Survey Report, dated June 12, 2017, which identified ACMs, LBPs and PCB containing caulks and sealants on the 8th and 9th floors, penthouse and roof level at Building 8. CHA used the June 2017 report for reference and to supplement the bulk samples collected as part of this current survey as many of the suspect materials are consistent throughout the building. The record drawings and survey report were reviewed during the survey fieldwork, as well throughout the preparation of this report and can be found in Appendix H.

#### 3.2 BUILDING 8 - ACM SURVEY

CHA performed a pre-renovation asbestos-containing material survey of all accessible portions of the basement, ground floor and floors 1-7 of Building 8. The objective of this survey is to identify and sample all suspect ACMs prior to the planned renovation of the building. The following paragraphs detail the observations made and samples collected during the asbestos inspection. See Figures 1 - 9 for Building 8 floor plans, bulk sample locations and in-floor raceway locations indicating raceway layout and locations sampled and Figure 12 for exterior sample locations. All suspect materials were quantified and sampled for asbestos laboratory analysis. See Table A-1 for a summary of all samples collected and corresponding analytical results.

# 3.2.1 Basement Inspection

The basement of Building 8 consists of large open storage areas, mechanical rooms, maintenance rooms, elevator and duct shafts, boiler room, chiller/air conditioner rooms, telecommunication rooms, offices and bathrooms. The majority of the walls throughout the basement are concrete masonry unit (CMU) with suspect mortar or cast in place concrete foundation walls. Various rooms

were finished gypsum board and joint compound walls and the bathrooms were finished with 1" white ceramic wall tile with seam grout and adhesive. A concrete deck ceiling was observed throughout most of the basement. In various office and storage spaces, CHA observed a combination of 1'x 1' mineral fiberboard spline ceiling tiles and 2' x 4' ceiling tiles in a "T" suspension grid. The bathrooms ceilings were finished with. A cast in place concrete floor was observed throughout most of the basement. Beige 12"x 12" vinyl floor tile and mastic over concrete was observed in an office and 2" hexagonal ceramic floor tile with seam grout and thinset over concrete was observed in both bathrooms. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

Additional suspect materials identified throughout the basement included: paper/foil over foam glass pipe insulation, paper/foil over fiberglass pipe insulation, gray and white pre-molded plaster pipe insulation, gray and tan job-molded plaster pipe fitting insulation, cloth wrap over fiberglass pipe insulation, white pipe end cap sealant, cloth wrap over a paper/mastic layer over yellow/black sealant over fiberglass duct insulation, covebases with mastics, stair tread, black bituminous pipe and wall coating, fire door core, white door frame caulk and a black expansion joint sealant between concrete forms. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

### 3.2.2 Ground Floor Inspection

The ground floor of Building 8 consists of large open work areas, individual office spaces, conference rooms, corridors, lobby, men's & women's bathrooms, janitor's closet, duct and pipe chases and electrical closets. The walls throughout the ground floor are a combination of plaster, gypsum board & joint compound and modular gypsum panels. The men's & women's bathrooms and janitor's closet contain 1" white ceramic wall tiles with seam grout and thinset and/or bedding glue. The bathrooms in the nurses station contained suspect 4" yellow ceramic wall tile with seam grout and thinset. The ceilings are a combination of 1' x 1' spline ceiling tiles suspended from the corrugated metal deck above. See Section 3.2.2.1 below for a more in-depth discussion of the ceiling space throughout the ground floor. All materials described above are considered suspect ACMs and were sampled for laboratory analysis.

The floors throughout the central corridor were identified as black terrazzo. The main office areas are carpeted with underlying suspect 9" x 9" olive floor tile and mastic on concrete. Additional office spaces were finished with exposed 9"x 9" black floor tile with mastic and 12"x 12" blue marbled floor tile with mastic. The men's and women's bathrooms and janitor's closet contain 2"



hexagonal ceramic floor tile, seam grout and thinset and bathrooms in the nurses station contain 1" light brown ceramic floor tile, seam grout and thinset. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

An in-floor raceway system is cast into the concrete floor slab and serves to distribute electric, phone, and data cabling throughout the floor. See Section 3.2.5 below for further discussion of the inspection of the in-floor raceway systems identified throughout the building.

Additional suspect materials identified throughout the ground floor are as follows: vinyl covebase with mastic, vinyl wall corner guard with mastic, mesh wall paper with adhesive, foil/paper over fiberglass duct insulation with red and yellow sealant, red flex duct sealant, red fire stop sealant, window glazing compound and spray-on fireproofing. All suspect materials described above are considered suspect ACMs and were sampled for laboratory analysis.

CHA inspected the CMU walls of the elevator shafts within the ground floor for suspect spray-on fireproofing, overspray and spray-on fireproofing debris. None of the CMU walls in the elevator shafts contained the spray-on fireproofing material.

Electrical closet 8GA was opened by OGS personnel and CHA visually inspected for the presence of spray-on fireproofing, overspray and debris on interior surfaces. The corrugated metal deck ceiling and exposed structural steel beams are coated with spray-on fireproofing, overspray was observed on the interior CMU walls, conduit, electrical cables, electrical panel boxes and a considerable amount of debris on the floor. CHA also requested OGS personnel open and de-energize the electrical panel to visually inspect the interior for the presence of overspray and/or debris. Spray-on fireproofing overspray was observed in interior of the electric panel opened. CHA collected debris samples from the interior of the electrical panel interior and floor for laboratory analysis. See Section 5.0 for conclusions and recommendations regarding the electrical panel boxes.

#### 3.2.2.1 Ceiling Space and Structural Column Inspection

As stated in Section 3.2.2 above, ceilings consist of a combination of 1' x 1' spline ceiling tiles suspended from the corrugated metal deck above. CHA was able to investigate above the spline ceiling system from access hatches identified at various locations throughout the main corridor. The ceiling deck throughout the ground floor consists of corrugated metal deck with exposed steel beams. The deck, horizontal steel beams and vertical columns are protected with suspect asbestoscontaining spray-on fireproofing. In addition to surfaces that have a full application of the spray-on



fireproofing, CHA also observed spray-on fireproofing overspray on all HVAC ductwork, fiberglass-insulated pipes running within the ceiling space, plaster and CMU walls and on the top of the ceiling system. Based on the full application of spray-on fireproofing, extent of overspray observed on adjacent surfaces, loose spray-on fireproofing debris at various locations on the top of the ceiling spline system and light fixtures, CHA considers the entire ceiling space (including the top of the 1' x 1' spline ceiling tiles and light fixtures) to be contaminated with asbestos-containing sprayed-on fireproofing debris. As a result, CHA did not submit samples of ceiling tile materials for laboratory analysis. Representative bulk samples of the spray-on fireproofing were collected from the upper floors of the building for laboratory analysis. Due to the application of the sprayed-on fireproofing and the presence of overspray and fireproofing debris during the original construction, CHA assumes that the plaster and CMU walls, throughout the floor, are contaminated with the sprayed-on fireproofing.

# 3.2.3 1st Floor Inspection

The first floor of Building 8 consists of office spaces, a central corridor, men's and women's bathrooms, janitor's closets, kitchenette/break room, mechanical room (air conditioner 171), vertical duct chases, pipe chases, electrical closets, stairwells, elevators and a walkway around the perimeter of the floor. The majority of the walls in the central corridor, offices, bathrooms and structural column walls are suspect plaster over CMU while the walls of the perimeter walkway and offices contained suspect gypsum board and modular gypsum panels. The men's & women's bathrooms and janitor's closet contain 1" white ceramic wall tiles with seam grout and adhesive over plaster. The ceilings are a combination of 1' x 1' spline ceiling tiles suspended from the structural steel beams and concrete deck above. See Section 3.2.3.1 below for a more in-depth discussion of the ceiling space throughout the 1st Floor. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

Suspect 9"x 9" floor tiles and mastic on concrete were observed throughout the first floor. A raised access floor system was observed over the floor tiles in some of the larger office spaces while some conference rooms and offices are carpeted with underlying floor tile. Exposed 9"x 9" floor tile and mastic were identified in the kitchenette/break room, central corridor and computer room III. Suspect 12"x 12" floor tile and mastic was observed in a vacant room between the front lobby and ITS office. Terrazzo flooring was identified throughout the main lobby, security office and news stand. The men's and women's bathrooms and janitor's closet contain 2" hexagonal ceramic floor tile, seam grout and thinset. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.



An in-floor raceway system is cast into the concrete floor slab and serves to distribute electric, phone, and data cabling throughout the floor. See Section 3.2.5 below for further discussion of the inspection of the in-floor raceways throughout the building.

CHA also inspected the mechanical room (air conditioner 171) and vertical duct shafts on the first floor and identified the following suspect materials: gray and white plaster insulation under wire mesh on the air handler, paper/foil over fiberglass and foam glass pipe insulation, cloth wrap over fiberglass pipe insulation, job-molded plaster pipe fitting insulation, cloth wrap over a paper/mastic layer over yellow/black sealant over fiberglass duct insulation, red fire stop sealant, foil/paper with red and yellow sealant over fiberglass duct insulation, gray duct sealant and spray-on fireproofing. CHA observed spray-on fireproofing overspray on HVAC ductwork, CMU walls, conduit and fiberglass insulated pipes in the vertical duct shaft adjacent to the mechanical room. Suspect spray-on fireproofing debris was also identified on wall mounted light fixtures and floor in the duct shaft. CHA collected a sample of the spray-on fireproofing overspray observed on the wall and debris sample from the floor.

CHA observed window glazing compound on all windows throughout the first floor, window frame caulk on the double doors entering the payment processing office, covebase and mastic throughout a majority of offices and central corridor, vertical wall corner guards throughout the central corridor and yellow and black sealant under elevated floor stands. These suspect materials were quantified and sampled for laboratory analysis.

CHA inspected the CMU walls of the elevator shafts within the first floor for suspect spray-on fireproofing, overspray and spray-on fireproofing debris. None of the CMU walls in the elevator shafts contained the spray-on fireproofing material.

Electrical closets 81B and EC-3 in Computer Room III were opened by OGS personnel and CHA visually inspected for the presence of spray-on fireproofing, overspray and debris on interior surfaces. The corrugated metal deck ceiling and exposed structural steel beams were coated with spray-on fireproofing, overspray on the interior CMU walls, conduit, electrical cables, electrical panel boxes and debris on the floor. CHA did not request OGS personnel to open the electrical panels on this floor. CHA collected a debris sample from the floor of EC-3 in Computer Room III for laboratory analysis. See Section 5.0 for conclusions and recommendations regarding the electrical panel boxes.



# 3.2.3.1 Ceiling Space and Structural Column Inspection

As stated in Section 3.2.3 above, the ceilings consist of a combination of 1' x 1' spline ceiling tiles suspended from the corrugated metal deck above. CHA was able to investigate above the spline ceiling system from access hatches identified at various locations throughout the main corridor. The ceiling deck throughout the first floor consists of corrugated metal deck with exposed steel beams. The deck, horizontal steel beams and vertical columns are coated with suspect asbestos-containing spray-on fireproofing.

In addition to surfaces that have a full application of the spray-on fireproofing, CHA also observed spray-on fireproofing overspray on all HVAC ductwork, fiberglass-insulated pipes running within the ceiling space, plaster and CMU walls and on the top of ceiling spline system. Based on the full application of spray-on fireproofing, extent of overspray observed on adjacent surfaces, loose spray-on fireproofing debris at various locations on the top of the ceiling spline system and light fixtures, CHA considers the entire ceiling space (including the top of the 1' x 1' spline ceiling tiles and light fixtures) to be contaminated with presumed asbestos sprayed-on fireproofing debris. As a result, CHA did not submit samples of ceiling tile materials for laboratory analysis. A representative bulk sample of the spray-on fireproofing and debris sample was collected for laboratory analysis. Due to the application of the sprayed-on fireproofing and the presence of overspray and fireproofing debris during the original construction, CHA assumes that the plaster and CMU walls, throughout the floor, are contaminated with the sprayed-on fireproofing.

# 3.2.4 $2^{nd} - 7^{th}$ Floor Inspection

Floors 2-7 of Building 8 were found to have homogeneous materials throughout each floor. Each floor consists of large open office space with cubicles, individual offices, conference rooms, a central corridor, men's and women's bathroom's, janitor's closet, kitchenette's and/or break rooms, storage rooms, electrical closets, service rooms, stairwells and elevator lobbies. The majority of the office and conference room walls throughout each floor consist of gypsum board and modular gypsum panels while the remaining bathroom's, corridor and structural column walls are suspect plaster over CMU. The men's & women's bathrooms and janitor's closet contain 1" white ceramic wall tiles with seam grout and bedding glue. The ceilings are a combination of 1' x 1' spline ceiling tiles suspended from the structural steel beams and concrete deck above. See Section 3.2.4.1 below for a more in-depth discussion of the ceiling spaces throughout floors 2-7. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

The floors throughout the office areas are carpeted with underlying suspect 9" x 9" floor tile and

mastic on concrete, while at corridors there are exposed 9" x 9" floor tiles and mastic on concrete. Similar 9"x 9" floor tiles with different colors were observed in the corridors and elevator lobbies. CHA collected representative samples of the various 9"x 9" floor tiles and mastics. CHA also identified 12"x 12" floor tile with mastic at various bathroom entrances and in kitchenettes. These tiles were installed over the 9"x 9" tan floor tile observed throughout the building. The men's and women's bathrooms and janitor's closets contained 2" hexagonal ceramic floor tile, seam grout and thinset. Black terrazzo flooring was also observed throughout the stairwells in floors 2-7. All flooring materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

An in-floor raceway system is cast into the concrete floor slab and serves to distribute electric, phone, and data cabling throughout the floor. See Section 3.2.5 below for further discussion of the inspection of the in-floor raceways throughout the building.

CHA was able to inspect pipe chases with operable access hatches and vertical duct shafts with access doors. Suspect ACMs identified in pipe chases and duct chases throughout floors 2-7 include: fiberglass wrapped pipe insulation with suspect paper/foil, cloth wrap over fiberglass pipe insulation, job-molded plaster pipe fitting insulation, red fire stop sealant in wall penetrations, foil/paper over fiberglass duct insulation with red and yellow sealant, gray duct sealant and black pipe end cap sealant. Spray on fireproofing overspray was also observed on HVAC ductwork, pipes and CMU walls. All materials described above are considered suspect for asbestos and were quantified and sampled for laboratory analysis.

Additional suspect ACMs identified throughout floors 2-7 include: window glazing compound, covebases and mastics, vinyl wall corner guard with mastic, red flex duct sealant at induction vents, black sealant under induction vents, white vinyl wall paper with adhesive, vinyl covering on modular gypsum panel walls and masonry brick mortar walls and terrazzo flooring in the stairwells. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

CHA inspected the CMU walls of the elevator shafts throughout the 2nd through 7th floors for suspect spray-on fireproofing, overspray and spray-on fireproofing debris. None of the CMU walls in the elevator shafts contained the spray-on fireproofing material.

Electrical closets were opened by OGS personnel on each floor and visually inspected for the presence of spray-on fireproofing, overspray and debris on interior surfaces. The corrugated metal



deck ceilings and exposed structural steel beams are coated with spray-on fireproofing, overspray was observed on the interior CMU walls, conduit, electrical cables, top and sides of electrical panel boxes and debris on the floors. Debris samples were collected from the floor of electrical closets on the fourth, sixth and seventh floor for laboratory analysis. CHA also requested OGS personnel open the electrical panels boxes in electrical closets 82D (2nd floor), 84B (4th floor) and 86C (6th floor) to visually inspect the interior for the presence of overspray and/or debris. Spray-on fireproofing overspray and debris was observed in all interior panel boxes inspected. CHA collected debris samples from each of the interior electrical panel boxes opened for laboratory analysis. See Section 5.0 for conclusions and recommendations regarding the electrical panel boxes.

# 3.2.4.1 Ceiling Space Inspection and Structural Column Inspection

As stated in Section 3.2.4 above, the ceilings throughout floors 2-7 consist of a combination of 1' x 1' spline ceiling tiles suspended from the corrugated metal deck above. CHA was able to investigate above the spline ceiling systems from access hatches identified at various locations throughout the main corridor. The ceiling deck throughout these floors consists of corrugated metal deck with exposed steel beams. The deck, horizontal steel beams and vertical columns are coated with suspect asbestos-containing spray-on fireproofing.

In addition to surfaces that have a full application of the spray-on fireproofing, CHA also observed spray-on fireproofing overspray on all HVAC ductwork, fiberglass-insulated pipes running within the ceiling space, plaster and CMU walls and on the top of ceiling spline system. Based on the full application of spray-on fireproofing, extent of overspray observed on adjacent surfaces, loose spray-on fireproofing debris at various locations on the top of the ceiling spline system and light fixtures, CHA considers the entire ceiling space (including the top of the 1' x 1' spline ceiling tiles and light fixtures) to be contaminated with presumed asbestos sprayed-on fireproofing debris. As a result, CHA did not submit samples of ceiling tile materials for laboratory analysis. Representative bulk samples of the spray-on fireproofing were collected from the 3rd, 5th and 6th floors for laboratory analysis. Due to the application of the sprayed-on fireproofing and the presence of overspray and fireproofing debris during the original construction, CHA assumes that the plaster and CMU walls throughout the floor, and the concrete floor slabs are contaminated with the sprayed-on fireproofing. Bulk samples of the concrete slabs and columns throughout the 8th and 9th floor were collected and analyzed for asbestos.

# 3.2.5 Penthouse Inspection

CHA inspected the penthouse for suspect ACM in June 2022. Upon inspection, CHA observed

canvas-faced fiberglass insulation on all ductwork and fan units within the space. The pipe and fitting insulation was fiberglass (with suspect paper). All materials described above are considered suspect ACMs and were quantified by system and/or function and sampled for laboratory analysis. See the bulk sample summary in Appendix A for all samples collected within the penthouse and their analytical result.

# 3.2.6 In-Floor Raceway Inspection

There are in-floor raceways present within concrete slab/decks from the ground floor through 7th floor, which house electrical and telecommunications cabling/wiring. The in-floor raceway system consists of four main header ducts traveling southwest/northeast with shorter branch ducts services workstations to the northwest and southeast. There are a total of approximately 1,050 surface access points per floor to these raceway headers and ducts. The raceway system for each floor, along with sample locations, are shown on Figures 2-9 appended to this report. The majority of the raceway access plates were covered by carpeting and workstation desks at the time of this survey. CHA was able to remove carpet tiles not covered by workstations to inspect a representative number of raceway access points. Of the 30 raceway access points inspected, nine contained measurable amounts of dust and fireproofing debris. The dust and fireproofing debris are considered suspect materials and were sampled for analysis. A total of nine debris samples were collected from the raceways from the ground through the seventh floor. See Section 4.0 for a summary of the analytical results, as well as Table A-1, located in Appendix A, and the laboratory analytical report are included as Appendix D.

#### 3.2.7 HVAC System Inspection

The ground floor through seventh floor primary heating induction units system along the entire perimeter of the floor which is supplied conditioned air from the ceiling space of the floors below, as well as a secondary ducted heating/cooling system which is supplied via vertical duct shafts and ductwork running in the ceiling space of each floor.

The metal heating units associated with the perimeter induction system have duct seams that are coated with red sealant which was quantified and sampled for asbestos laboratory analysis. In addition to the suspect sealant, CHA also observed that the concrete floor slab does not extend to the exterior window wall. There is an approximately 2" wide opening to the ceiling space of the floors below. Suspect sprayed-on fireproofing debris was observed at these openings as well as in the induction units. Based on the visual inspection of these units and the suspect debris observed within, CHA considers the interior of the induction unit enclosures to be contaminated with presumed



asbestos-containing sprayed-on fireproofing. Bulk samples of the fiberglass insulation paper debris and presumed asbestos-containing sprayed-on fireproofing debris were collected for laboratory analysis.

The metal ductwork associated with the forced air system within the ceiling spaces is insulated with foil-wrapped fiberglass sealed with yellow duct sealant and red duct sealant, both of which are suspect for asbestos. These sealants were quantified and sampled per Section 2.0 of this report.

#### 3.2.8 Exterior

CHA performed an inspection of the exterior of Building 8 and loading dock area for the presence of suspect asbestos-containing materials. At ground level, CHA observed terrazzo decking and pre-cast concrete structural columns around the perimeter of the building with suspect caulks identified in the seams. These materials were not sampled as part of this survey since there are no renovations planned for the decking or structural columns. Multiple window glazing compounds were identified on the exterior window systems around the perimeter of the building and are considered suspect for asbestos. In some instances, CHA identified multiple layers of glazing compound on the windows at ground level. Its unclear whether or not multiple layers of widow glazing compound are present on the exterior window system on the upper floors. Cementitious board was identified as the ceiling at the main entrance vestibule with mosaic tiles bonded to it. Cementitious board over plywood constructed soffits was also identified at the loading dock area between Building's 8 and 8A. Suspect caulk was observed in the seams of these soffits. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

#### 3.3 BUILDING 8A – ACM SURVEY

CHA performed a pre-renovation asbestos-containing material survey of all accessible portions of the basement and ground floor of Building 8A. The objective of this survey is to identify and sample all suspect ACMs prior to the planned gut renovation of the building. The following paragraphs detail the observations made and samples collected at during the asbestos inspection. See Table A-1 for a summary of all samples collected and analytical results for Building 8A and Figures 10-12 for floor plans and bulk sample locations. All suspect materials were quantified and sampled for asbestos laboratory analysis.

#### 3.3.1 Basement

The basement of Building 8A consists of mechanical rooms, lobby, offices, conference rooms, utility



supply rooms, pipe chases, electrical closets, locker rooms, bathrooms and a large open office space. The majority of the walls throughout the basement are plaster and CMU with suspect mortar. Some rooms contained gypsum board and joint compound walls, modular gypsum panels and concrete foundation walls. The bathrooms contain suspect 1" white ceramic wall tile with seam grout and bedding glue. An exposed concrete ceiling was observed in both mechanical rooms and conference rooms. The bathrooms had a plaster ceiling finish while the rest of the basement consisted of a combination of suspect 1' x 1' mineral fiberboard spline ceiling tiles hung from the concrete deck above. CHA was able to investigate above the ceiling system from access hatches identified at various locations in the large open office area. CHA observed no suspect asbestos-containing sprayon fireproofing above the ceiling. HVAC ducts wrapped with suspect foil/paper with red sealant over fiberglass were identified running east/west across the basement and a piping system with fiberglass wrapped pipes with suspect paper foil running north/south.

A cast in place concrete floor was identified in both mechanical rooms, utility supply rooms and under carpet in the conference rooms. Suspect 12" x 12" off-white floor tile with mastic over concrete was observed throughout the main office space and part of the OGS plant utilities office and 12" x 12" brown marbled vinyl floor tile (self-adhearing) in the south corridors, offices, supply rooms and locker rooms. Suspect 9" x 9" gray vinyl floor tile with mastic was observed in the OGS custodial offices as well as the OGS plant utilities (engineers) office. The bathrooms contain 2" hexagonal ceramic floor tile with seam grout and thinset over concrete. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

The mechanical rooms in the basement contain various piping systems, air handlers, ductwork and chiller for the air conditioning system. Low/medium pressure steam, chilled water, condensate, cold water return and low/medium/high temperature hot water piping were observed throughout the mechanical rooms. Suspect materials identified include: paper/foil over foam glass and fiberglass pipe insulation, cloth wrap over fiberglass pipe insulation, pre-molded plaster pipe insulation and job-molded plaster pipe fitting insulation, pipe end cap sealants, plaster insulation over air handlers, cloth wrap over a paper/mastic layer over yellow/black sealant over fiberglass duct insulation, gray duct sealant, green flange gasket, red fire-stop sealant and black and white caulk at wall penetrations. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

#### 3.3.2 Ground Floor

The ground floor of Building 8A includes a large open work area with individual cubicles, lobby area, offices, cafeteria, men's and women's bathrooms, janitor's closet, storage rooms, electrical substation, electrical closets and pipe spaces. The walls throughout most of the ground floor consist of plaster over CMU, masonry brick and mortar and gypsum board, with some offices contain modular gypsum panels. The men's & women's bathrooms contain 1" white ceramic wall tiles with seam grout and bedding glue over plaster. An exposed concrete deck ceiling was observed in the cafeteria and adjacent rooms while a combination of 1' x 1' spline ceiling tiles suspended from the structural steel beams and metal deck ceiling were observed throughout the rest of the ground floor. All materials described above are considered suspect for asbestos and were quantified and sampled for laboratory analysis.

The open office space with cubicles was carpeted with underlying suspect 12" x12" cream floor tile with mastic. Adjacent office spaces were also carpeted with underlying suspect 9" x 9" gray floor tiles and mastic. Suspect 16" x 16" light brown floor tiles with mastic were observed over 9"x 9" gray floor tiles in the cafeteria. The entrance to the cafeteria from the loading dock was carpeted with suspect mastic and underlying 12" x12" green marbled floor tiles with mastic. The men's and women's restrooms adjacent to the cafeteria and lobby area both contained 2" hexagonal ceramic floor tiles with seam grout and thinset. Terrazzo was identified in the corridor connecting Building 8 to 8A as well as in the lobby at the south end of the building.

Vinyl covebase and mastic was observed throughout the cafeteria as well as offices located in the south end of the building. Window glazing compound was also identified on all windows throughout the ground floor. Pre-molded plaster pipe fitting insulation as well as plaster coated fiberglass insulated pipe fittings were identified in the cafeteria and fiberglass insulated ductwork was identified in electrical closets.

No in-floor raceway system was observed in the concrete slab floor and no suspect spray-on fireproofing above ceiling spaces or any other spaces throughout Building 8A were observed.

#### 3.3.3 Exterior

CHA performed an inspection of the exterior of Building 8A and loading dock area for the presence of suspect asbestos-containing materials. CHA did not inspect roofing materials as part of this survey. CHA observed masonry brick on the exterior walls around the perimeter of the building, however renovations are not planned for the exterior siding of the building and therefore not

sampled. Soffits observed at the loading dock were constructed of plywood, overlaid with suspect cementitious board panels and suspect seam caulk. Cementitious board was also identified on the ceiling at the main entrance vestibule. Multiple window glazing compounds were identified on the exterior window systems around the perimeter of the building and are also considered suspect for asbestos. In some instances, CHA identified multiple layers of glazing compound on the windows. Gray caulk was also observed under the window system and identified around the perimeter of the building. All materials described above are considered suspect ACMs and were quantified and sampled for laboratory analysis.

#### 3.4 BUILDING 8 & 8A LBP SURVEY

CHA inspected painted surfaces throughout Building 8 and 8A that may be impacted during renovation activities. Upon inspection, CHA collected fifteen paint chip samples from interior walls, door systems, floors and pipes throughout Building 8 and seven paint chip samples from Building 8A. The paint chip samples were transmitted to Atlas Environmental Labs (Atlas) in New York, New York for laboratory analysis via Flame AAS method (EPA 7000B). The survey is meant to assess the presence of lead-based paint throughout the buildings to facilitate the proper handling and management of painted materials during upcoming renovations.

#### 3.5 BUILDING 8 & 8A PCB CAULK/SEALANT INSPECTION

CHA performed an inspection of the basement, ground floor, floors 1-7 and exterior of Building 8, and basement, ground floor and exterior of Building 8A for the presence of caulks and sealants suspected to contain PCBs. At Building 8, CHA observed interior and exterior glazing compound on the window systems, caulks around door and window frames and sealants on concrete penetrations and under the elevated flooring systems. At Building 8A, CHA observed interior and exterior glazing compound on the window systems and caulk under windows around the perimeter of the building. CHA also identified seam caulk between concrete panels at the loading dock area that is between both buildings. Individual samples of each materials were collected from each building and analyzed for PCBs under EPA Method 8082. See Section 4.0 for analytical results as well as Appendix C appended to this report for a sample summary.

#### 3.6 ADDITIONAL HAZARDOUS MATERIALS INVENTORY

Fluorescent light fixtures were observed throughout the basement, ground floor and floors 1-7 of Building 8, and basement and ground floor of Building 8A. A representative number of light fixtures were inspected for labeling regarding PCB content. CHA observed "MagneTek" brand



ballasts with labeling indicating an "electronic ballast". Due to the consistency of the light fixtures throughout the floors, it is assumed that any ballasts that will be impacted by the renovation project will not require special handling and disposal for PCB content.

CHA observed fluorescent light tubes associated with the light fixtures throughout basement, ground floor and floors 1-7 of Building 8 and basement and ground floor of Building 8A. Fluorescent light tubes contain trace amounts of mercury and are typically handled as universal waste. See Section 5.1 for an estimated quantity of light tubes observed throughout each floor.

In addition to ballasts and fluorescent light tubes, CHA also inspected both buildings for mercury-containing thermostat switches and controls. Upon inspection, CHA observed that the heating and air conditioning are regulated via digital thermostat controls in Building 8 and 8A. However, one mercury-containing switch was observed in the Network Core Room (F-34) in the basement of Building 8. See Section 5.0 for conclusions and recommendations for handling of these thermostat controls and switches prior to the renovation project.

CHA inspected Building 8 and 8A for freezers, refrigerators, and/or window-mounted air conditioning units that could have CFC-containing refrigerant. In Building 8 and 8A, CHA observed small refrigerators at work stations and medium to large refrigerators in the kitchens, break rooms and break areas. See Section 5.0 for conclusions and recommendations for handling these refrigerators prior to the renovation project.

CHA observed no pigeon colonization nor any pigeon guano in the basement, ground floor and floors 1-7. Additionally, CHA observed no signs of mold growth throughout the inspected portions of the building.

# 4.0 RESULTS

CHA identified 89 suspect asbestos-containing materials during the asbestos survey of the basement through seventh floor and exterior of Building 8 and a total of 230 individual bulk samples were collected. Of the 230 individual bulk samples collected, 38 were suspect debris samples collected from various locations to further delineate the amount of possible contamination from spray on fireproofing. Of the 127 suspect asbestos-containing materials, 21 confirmed asbestos-containing materials were identified through laboratory analysis. Of the 38 suspect debris samples, 26 were confirmed asbestos-containing through laboratory analysis. In the basement, ground floor and exterior of Building 8A, CHA identified 68 suspect asbestos-containing materials and a total of 143



individual bulk samples were collected during the asbestos survey. Of the 68 suspect materials, 12 confirmed asbestos-containing materials were identified through laboratory analysis. All confirmed and assumed ACMs are summarized in Table 4-1 below.

Table 4-1 Confirmed Asbestos-Containing Material Bulk Summary

Material	Locations(s)	Estimated Quantity	Friability	
Building 8 – Confirmed ACM				
9" x 9" Floor Tile and Mastic elevated floor system or carpet tiles) and 36,200 throughout 2 nd Floor – 7 th Floor (75% of each 312,000 sf		$28,000 \text{ sf} = \text{Ground Floor}$ $36,200 \text{ sf} = 1^{\text{st}} \text{ Floor}$ $312,000 \text{ sf} = 2^{\text{nd}} - 7^{\text{th}} \text{ Floors}$ $(52,000 \text{ sf per floor})$	Non-Friable	
12" x 12" Floor Tile and Mastic	Basement: Office (A-37), 4 th & 7 th Floor: Entrance to Men's Bathroom	550 sf = Basement 40 sf = 4 th & 7 th Floor (20 sf per floor)	Non-Friable	
Gray Duct Sealant	Vertical Duct Shafts: Floors 1-7 and HVAC  Ductwork throughout Ceiling Space Above  9,040 If = Ground – 7 th Floor (640 If = Vertical Duct Shafts, 5 duct shafts per floor/ 16 If per duct shaft/ 8,400 If = HVAC Ductwork, 1,050 If per floor)		Non-Friable	
Black Pipe End Cap Sealant			Friable	
Black Sealant on Pipes	Dascincii – Maii Steaii Rooii		Friable	
Pre-molded Plaster Pipe Insulation	Basement – 16" High Pressure Steam Pipe	415 lf	Friable	
Job-Molded Plaster Pipe Fitting Insulation  Throughout entire Basement, in Ground Floor Duct Shafts and Plumbing/Pipe Chases, in 1 st Floor Duct Shafts, Plumbing/Pipe Chases and Mechanical Room, 2 nd – 7 th Floor in Duct Shafts, Plumbing/Pipe Chases		195 = Basement $55 = Ground Floor$ $130 = 1st Floor$ $330 = 2nd - 7th Floor (55 per floor)$	Friable	
Plaster Insulation under Chicken Wire on Air Handler	ire 1 st Floor (Air Conditioner – 171) 350 sf		Friable	



Window Glazing Compound	Exterior Windows  296 windows (42 lf per window) – Ground & 1st Floor 1,872 windows (24 lf per window) – Floors 2-7		Friable
Cementitious Board	Exterior – Soffits at Loading Dock between Building 8 & 8A, Vestibule Ceiling (Main Entrance)  900 sf		Non-Friable
Spray-on Fireproofing	Ground Floor & 1 st Floor Ceiling – Applied to Metal Deck throughout Entire Ceiling (including beams and columns) and oversprayed onto fiberglass-insulated HVAC ductwork and pipe insulation.  117,800sf (58,900 sf per floor – this quantity includes an additional 40% to account for sprayed beams throughout the space)		Friable
Spray-on Fireproofing	Fireproofing  2nd-7th Floor Ceiling – Applied to Metal Deck throughout Entire Ceiling (including beams and columns) and oversprayed onto fiberglassinsulated HVAC ductwork and pipe insulation.  467,880 sf (77,980 sf per floor – this quantity includes an additional 40% to account for sprayed beams throughout the space)		Friable
Spray-on Fireproofing	Applied to all Vertical Columns on the Ground Floor – 7 th Floor (As stated above, overspray is present on adjacent ceilings, walls, and deck within the footprint of each floor)  800 vertical chases total (100 chases per floor, 12' per chase)		Friable
Spray-on Fireproofing	All Interior Electrical Panel Boxes within Electrical Closets on Ground – 7 th Floor  32 Electrical Closets (4 electrical closets per floor)		Friable
Spray-on Fireproofing Debris			Friable
Spray-on Fireproofing Debris	All Enclosed Plaster Columns and Plumbing Chases on the Ground Floor – 7 th Floor	964 abases total (100 man floor)	
Spray-on Fireproofing		84,144 sf (ground & 1 st floor – 42,072 sf per floor)	Friable
Debris	Ceiling Space on the Ground – 7 th Floors	389,900 sf (2 nd – 7 th Floors – 55,700 sf per floor)	Friable
Spray-on Fireproofing Debris			Friable
Spray-on Fireproofing Debris	Ceiling Space on the $2^{nd} - 7^{th}$ Floor $ \begin{array}{c} 45,600 \text{ If of HVAC ductwork} \\ (2^{nd} - 7^{th} \text{ Floor} - 7,600 \text{ If per floor}) \end{array} $		Friable
Spray-on Fireproofing Debris			Friable
Spray-on Fireproofing Debris			Friable



ı		T	1	
Spray-on Fireproofing Debris	All Concrete Floor Slabs throughout the Building (excluding Penthouse)	55,700 sf per floor	Friable	
	Assumed ACM		<u>l</u>	
Ceramic Tile Floors Including Mud-set	8,930 SI (340 SI per baumooni, Eriable		Friable	
	Building 8A - Confirmed	ACM		
Gray Plaster Insulation	Basement: MER North Air Handlers (Mechanical Room)	1,550 sf Friable		
Pre-Molded Plaster Pipe Insulation	Pre-Molded Plaster  Basement: MER North – Generator Exhaust  Pipe, High Temp Hot Water Pipe (Mechanical 65 If		Friable	
Basement: MER North & MER South  Job-Molded Plaster Pipe Fitting Insulation Ceiling, Ground Floor - Cafeteria		225 fittings = Basement 10 fittings = Ground Floor	Friable	
Plaster Pipe End Cap Sealant Basement: MER North		15 lf	Friable	
Job-Molded Plaster Coating over Fiberglass Pipe Fitting Insulation	Ground Floor – Cafeteria	2 fittings	Friable	
Gray Duct Sealant	Basement Ductwork - MER North, MER South	700 lf	Friable	
9" x 9" Floor Tile with Black Mastic	700 SI – Baseillei		Non-Friable	
12" x 12" Floor Tile	Basement – Main Office Area with Cubicles, OGS Plant Utilities	18,225 sf	Non-Friable	
Window Glazing Compound	Exterior Windows	104 vertical windows (42 lf per window) 36 horizontal windows (16 lf per window)	Friable	
Cementitious Panels  Exterior – Soffits at Loading Dock between  Building 8A & 8, Vestibule Ceiling (Main  Entrance)		600 sf	Non-Friable	

 $sf-square\ feet$ 

All bulk samples that were collected throughout the basement, ground floor, floors 1-7 and exterior of Building 8 and basement, ground floor and exterior of Building 8A are summarized in Table A-1

lf – linear feet



located in Appendix A and laboratory analytical reports are included as Appendix D. Table A-1 lists each bulk sample, the location from which it was collected, and also provides the analytical result for each sample. Table A-1 is not intended to outline all locations throughout the floor or roof level where ACMs exist. Table A-2, the Room by Room Inventory, summarizes all suspect, assumed, and confirmed asbestos materials that were observed. For each suspect material in each room, the asbestos content is provided. If the asbestos content is greater than 1.0% asbestos by weight the material is considered an asbestos-containing material. An estimated quantity is provided in Table A-2 for each confirmed or assumed asbestos-containing material in each room or area. A photo log of confirmed asbestos-containing materials identified in Buildings 8 and 8A can be found in Appendix I.

Fifteen lead-based paint chip samples were collected from Building 8 and seven paint chip samples were collected from Building 8A and analyzed for % lead by weight. Of the fifteen lead-based paint chip samples collected from Building 8, five samples were found to contain measurable amounts of lead and one paint chip sample was found to contain lead greater than 0.5% by weight. Of the seven lead-based paint chip samples collected from Building 8A, two samples were found to contain measurable amounts of lead. Table 4-2 represents detectable quantities of lead-based paints in both buildings and a summary of all the results is provided as Table B-1, located in Appendix B. The laboratory analytical reports are included as Appendix E of this report.

Table 4-2
Detectable Lead-based Paint Sample Summary

	Detectable Lead based I aim bamp	v	Lead
Sample Number	Paint Chip Description	Sample Location	Content (% weight)
Building 8			
LBP-121219-01	Beige Wall Paint	Basement - F Room Storage	0.08
LBP-121219-04	Yellow Wall Paint  Basement - Room 17 Adjacent to C7 (Secure Storage)		0.09
LBP-121219-08	2-08 Light Green Wall Paint 1st Floor – Computer Room III		0.06
LBP-121219-12	121219-12 Gray Floor Paint 1st Floor - Air Conditioner (171)		0.60
LBP-121219-14	White Door Frame Paint	4th Floor – Men's Bathroom	0.29
Building 8A			
LBP-121219-20	Red Floor Paint	Basement: MER South	0.13



LBP-121219-22 Red Wall Paint Ground Floor: Cafeteria 0.04
-----------------------------------------------------------

 $0.03\% = reporting\ limit$ 

CHA collected a total of nine caulks, glazing compounds and sealants from the interior and exterior of Building 8 and eight caulk and glazing compounds from the interior and exterior of Building 8A for PCB analysis per EPA Method 8082. Of those nine samples collected from Building 8, seven had detectable concentrations of PCB aroclors. Four of those samples were detected above the Toxic Substances Control Act (TSCA) regulatory threshold of 50 parts per million (ppm). All eight samples collected from Building 8A had detectable concentrations of PCB aroclors and six samples were above the TSCA regulatory threshold of 50 ppm. Table 4-3 below shows the caulks, glazing compounds and sealants above the TSCA regulatory threshold from both buildings and a summary of all results is provided as Table C-1, located in Appendix C. The laboratory analytical reports are included as Appendix F of this report.

Table 4-3
Detectable PCB Sample Summary

Sample	Samula Description	Comple Leastion	PCB Content
Number	Sample Description	Sample Location	(mg/Kg) (ppm)
Building 8			
PCB-121619-05	Interior Window Glazing Compound	3rd Floor - Column A5	4,800
PCB-121619-07	Gray Window Glazing Compound (Brittle)	Exterior - East Side/Loading Dock	1,600
PCB-121619-08	Gray Window Glazing Compound (Soft)	Exterior - South Entrance	770
PCB-121619-09	Black Window Glazing Compound	Exterior - North Side	110
Building 8A			
PCB-121719-01	White Caulk around Duct Wall Penetration	Basement - MER - North (North Wall)	320



PCB-121719-02	Black Expansion Joint Caulk	Basement - MER - North	117
PCB-121719-04	Gray Glazing around window Frame in Door	Ground Floor - Hallway (NE Corner)	150,000
PCB-121719-05	Gray Caulk under Window (Perimeter)	Exterior - West side of Building	68,000
PCB-121719-06	Black Window Glazing Compound (Outer Layer)	Exterior - East side of Building	390
PCB-121719-07	Gray Window Glazing Compound (inner Layer)	Exterior - West side of Building	370,000

# 5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the scope of work outlined in Section 2.0 of this report and CHA's review of the analytical results and observations made during the inspection, the following conclusions and recommendations have been developed.

#### 5.1 CONCLUSIONS

- Twenty-one asbestos-containing materials and one assumed asbestos-containing material was identified upon laboratory analysis throughout the basement, ground floor, floors 1-7 and exterior of Building 8 and twelve asbestos-containing materials were identified throughout the basement, ground floor and exterior of Building 8A. All confirmed and assumed asbestos-containing materials that will be impacted by the building renovations and will require abatement by a licensed contractor prior to any renovation activities that would disturb them.
- Six materials were found to contain 1.0% or less asbestos at Building 8 and three materials at Building 8A. They are as follows:
  - o Building 8
    - Red Flex Duct Sealant at Induction Vents
    - Interior Window Glazing Compound
    - Black Mastic to Tan 9"x 9" Floor Tile
    - Black Mastic to Off-White Marbled 12"x 12" Floor Tile
    - Exterior Gray Seam Caulk on Soffits at Loading Dock
    - Exterior Gray Window Glazing Compound



- o Building 8A
  - Black Mastic to 12"x 12" Off-White Floor Tile w/ Gray Swirl
  - Interior Gray Window Glazing Compound
  - Gray Seam Caulk to Cementitious Panels (Soffits) at Loading Dock

While these materials are not considered an ACM, OSHA requires workers to be protected from any concentration of asbestos under the OSHA Asbestos in Construction Standard Title 29 CFR 1926.1101.

- All surfaces within the ground floor through 7th floor ceiling spaces are considered contaminated with asbestos-containing spray-on fireproofing debris. Asbestos spray-on fireproofing is spray applied to the metal deck (including beams and columns) throughout the entire ground floor through 7th floor ceiling space. Spray-on fireproofing overspray was observed on HVAC ductwork and piping within these ceiling spaces and is also present on the tops of walls extending up to the deck. Spray-on debris was also observed on top of the 1' x 1' spline ceiling tiles and light fixtures.
- Portions of the in-floor raceway were inspected to the extent possible as discussed in Section 3.2.5 That limited inspection found asbestos-containing sprayed-on fireproofing debris within select raceway access points. Due to the identification of confirmed asbestos debris and the limited ability to thoroughly inspect all of the in-floor raceway, combined with the previous survey report of the 8th and 9th floors of Building 8, CHA considers the entire infloor raceway throughout Building 8 to be fully contaminated with asbestos-containing sprayed-on fireproofing debris.
- Induction units were inspected around the perimeter of the ground floor through 7th floor of Building 8 as discussed in Section 3.2.6. The inspection confirmed asbestos-containing sprayed-on fireproofing debris was present within the induction units. Due to the identification of confirmed asbestos debris, combined with the previous survey report of the 8th and 9th floors, CHA considers the perimeter induction units throughout Building 8 to be contaminated with asbestos-containing sprayed-on fireproofing debris.
- CHA inspected a limited number of vertical duct shafts, elevator shafts and pipe chases throughout the ground floor through 7th floor of Building 8 as discussed above. The inspection identified spray on fireproofing overspray on HVAC ductwork, pipes and CMU walls in the vertical duct shafts and pipe chases. The CMU walls and structural steel beams

in the elevator shafts observed did not contain any spray on fireproofing overspray. Due to the identification of confirmed asbestos debris, combined with the previous survey report of the 8th and 9th floors, CHA considers the vertical duct shafts and pipe chases throughout Building 8 to be fully contaminated with asbestos-containing sprayed-on fireproofing debris.

- Of the fifteen lead-based paint chip samples collected from Building 8, five samples were found to contain measurable amounts of lead and one paint chip sample (gray floor paint) was found to contain lead greater than 0.5% lead by weight. Of the seven lead-based paint chip samples collected from Building 8A, two samples were found to contain measurable amounts of lead. The EPA and HUD considers paint greater than 0.5% lead by weight to be a lead-based paint, therefore, the one paint chip sample identified in Building 8 is considered to be lead-based paint by the EPA and HUD. In addition, any measurable amount of lead in paint is enough to trigger the requirements of the OSHA Lead in Construction Standard. The lead paint chip analytical report is provided as Appendix E.
- CHA collected a total of nine caulks, glazing compounds and sealants from the interior and exterior of Building 8 and eight caulk and glazing compound samples from the interior and exterior of Building 8A for PCB analysis per EPA Method 8082. Of those nine samples collected from Building 8, seven had detectable concentrations of PCB aroclors. Four of those samples were detected above the Toxic Substances Control Act (TSCA) regulatory threshold of 50 parts per million (ppm). All eight samples collected from Building 8A had detectable concentrations of PCB aroclors and six of those samples were above the TSCA regulatory threshold of 50 ppm. A summary of all results is provided in Appendix C.
- CHA observed approximately 13,000 fluorescent light tubes throughout basement, ground floor and floors 1-7 of Building 8 and approximately 1,750 fluorescent light tubes throughout the basement and ground floor of Building 8A. Light fixtures identified throughout both buildings contained electronic ballasts. Due to the consistency of the light fixtures throughout the floors, it is assumed that any ballasts that will be impacted by the renovation project will not require special handling and disposal.
- Free-standing refrigerators in kitchen's, break rooms and break areas were observed throughout Building 8 and 8A. It is CHA's assumption that all free-standing refrigerators will be removed by the building tenants prior to the renovations.

#### 5.2 **RECOMMENDATIONS**

Based on the site inspection and analysis of samples, CHA has developed the following recommendations:

- A number of confirmed ACMs were identified throughout the basement, ground floor, floors 1-7 and exterior of Building 8 and basement, ground floor and exterior of Building 8A. Any confirmed ACMs that would be impacted or disturbed by the upcoming renovation project will require removal prior to that work by a licensed asbestos abatement contractor.
- Asbestos-containing sprayed-on fireproofing debris was observed throughout the ceiling spaces, within wall cavities and chases, in the perimeter induction unit enclosures and within the in-floor raceway system and concrete floor slabs throughout the ground floor through 7th floor of Building 8. There is a statewide variance for O&M handling of the asbestos-contaminated in-floor raceways (File No. 22-0628) which provides relief from Code Rule 56 during future work that impacts the in-floor raceways. No other surfaces or asbestos-contaminated areas are covered by the statewide variance.
- New York State Industrial Code Rule 56 (Code Rule 56) Section 1.5 entitled "Responsibility for Cleanup of Uncontrolled Disturbance" states that "If there is an incidental disturbance or other disturbance (not as part of a controlled asbestos project) of ACM, at a building or structure, upon discovery of the disturbance, the property owner shall be responsible for contracting with a licensed asbestos abatement contractor for immediate isolation of the disturbance and cleanup in accordance with all provisions of this Part." CHA hereby notifies the owner of the presence of asbestos debris and the requirements of Code Rule 56. Due to the quantity of the asbestos debris present (greater than 10 square feet) a site specific variance must be applied for from the NYSDOL Asbestos Control Bureau and approved prior to removal of the asbestos debris by a licensed asbestos abatement contractor.
- If additional suspect materials are discovered during the Building 8 and 8A renovation project that have not been identified within this pre-renovation hazardous materials survey report, those materials should be assumed to be asbestos-containing and treated as such until they have been sampled for laboratory analysis.
- OSHA requires workers be protected from any concentration of asbestos. Therefore, while removing or demolishing materials that contain <1.0% asbestos, workers must wear

respiratory protection. In order for workers not to wear respiratory protection a negative exposure assessment (Title 29 CFR 1926.1101(f)) would need to be performed to determine if workers will be exposed to asbestos fibers above the OSHA permissible exposure limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) or the short term exposure limit (STEL) of 1.0 f/cc while removing any of the trace materials described above.

- EPA and HUD considers paint greater than 0.5% lead by weight to be a lead-based paint. In addition, any measurable amount of lead in paint requires compliance with the OSHA Lead in Construction Standard. As a result, any work that impacts painted surfaces containing lead, the OSHA Lead in Construction Standard must be followed by the contractor and all waste should be characterized to determine lead content for disposal.
- The PCB-containing materials (greater than 50 ppm) identified within this report that will be impacted by building renovations at Building 8 and 8A should be handled and removed as a PCB bulk product waste per the USEPA Toxic Substances Control Act (TSCA) as well as applicable OSHA standards.
- The approximately 13,000 fluorescent light tubes observed throughout Building 8 and 1,750 fluorescent light tubes observed throughout Building 8A should be managed as hazardous waste/universal waste in accordance with applicable state and federal regulations prior to renovation activities that could impact them.
- Per New York State Code Rule 56-5.1(g) *Transmittal of Building/Structure Asbestos Survey Information*, information from the building survey shall be immediately transmitted by the government or the Contracting Officer to the entity charged with issuing a permit for such demolition, renovation, remodeling, or repair work under applicable State or local laws. New York State considers any removal of load bearing structural supports as a demolition activity. If load bearing structural supports are to be impacted by the current project, it is also the building owner's responsibility to transmit this report to the local asbestos control bureau district office.

Asbestos Control Bureau District Office

New York State Department of Labor

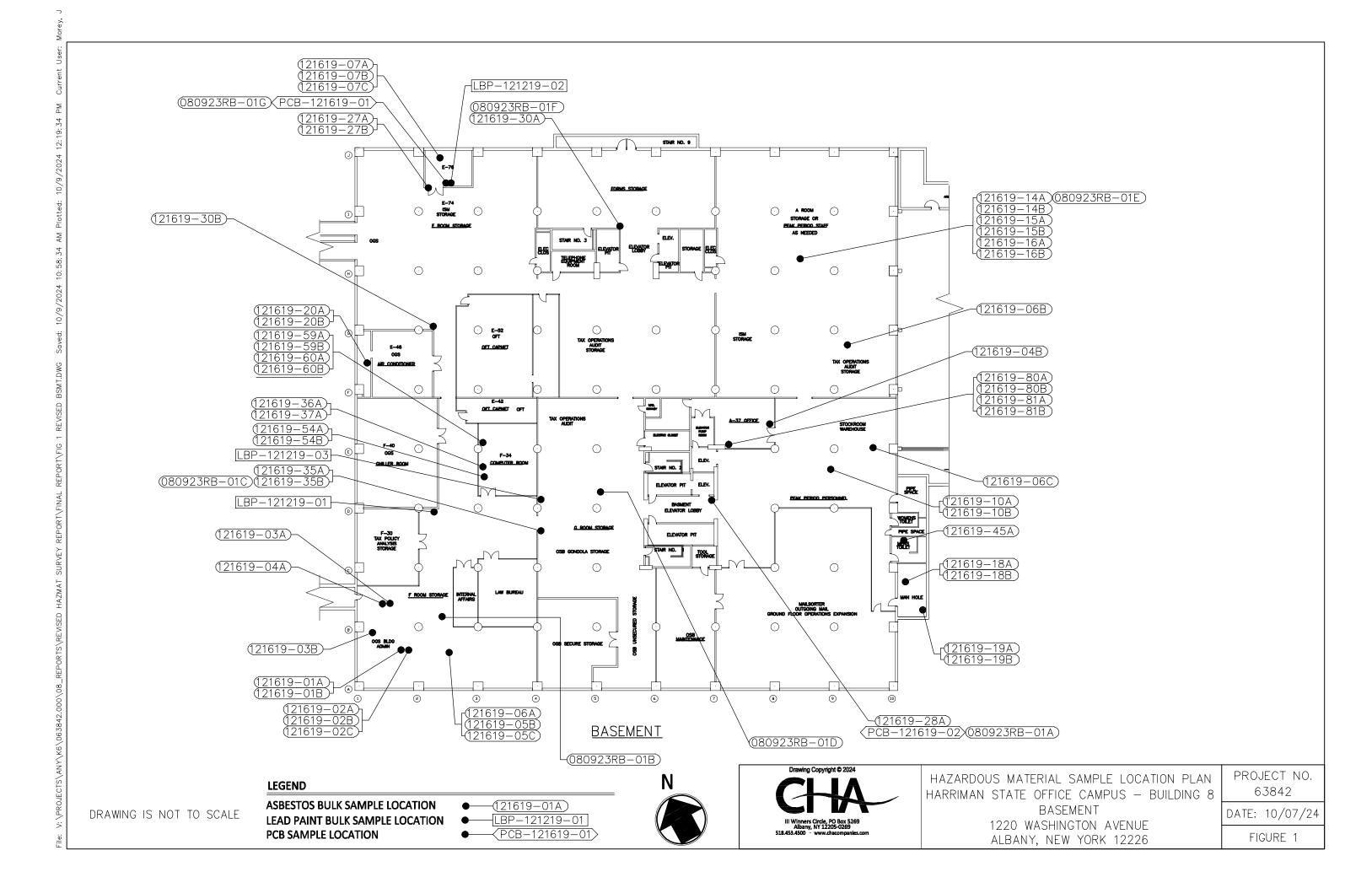
Division of Safety and Health

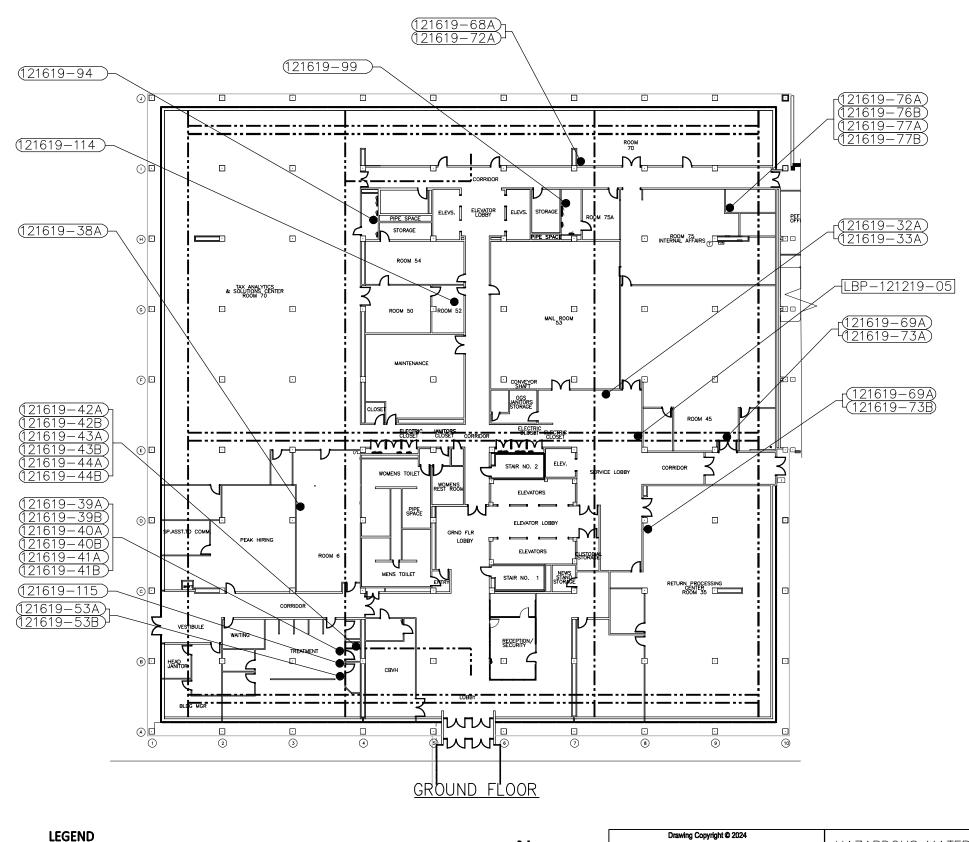
State Office Campus, Room 157, Albany, NY 12240



• This inspection report shall not solely serve as an asbestos abatement design document for obtaining bids from abatement contractors. It is recommended that specific abatement design documents be prepared in order to specify procedures and protocols that must be observed in order to ensure that abatement activities are completed in a manner consistent with local, state and federal regulations and requirements prior to the planned renovation project.







DENU

ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION
IN-FLOOR ELECTRICAL RACEWAYS

● (21619-01A) ● LBP-121219-01 ● PCB-121619-01

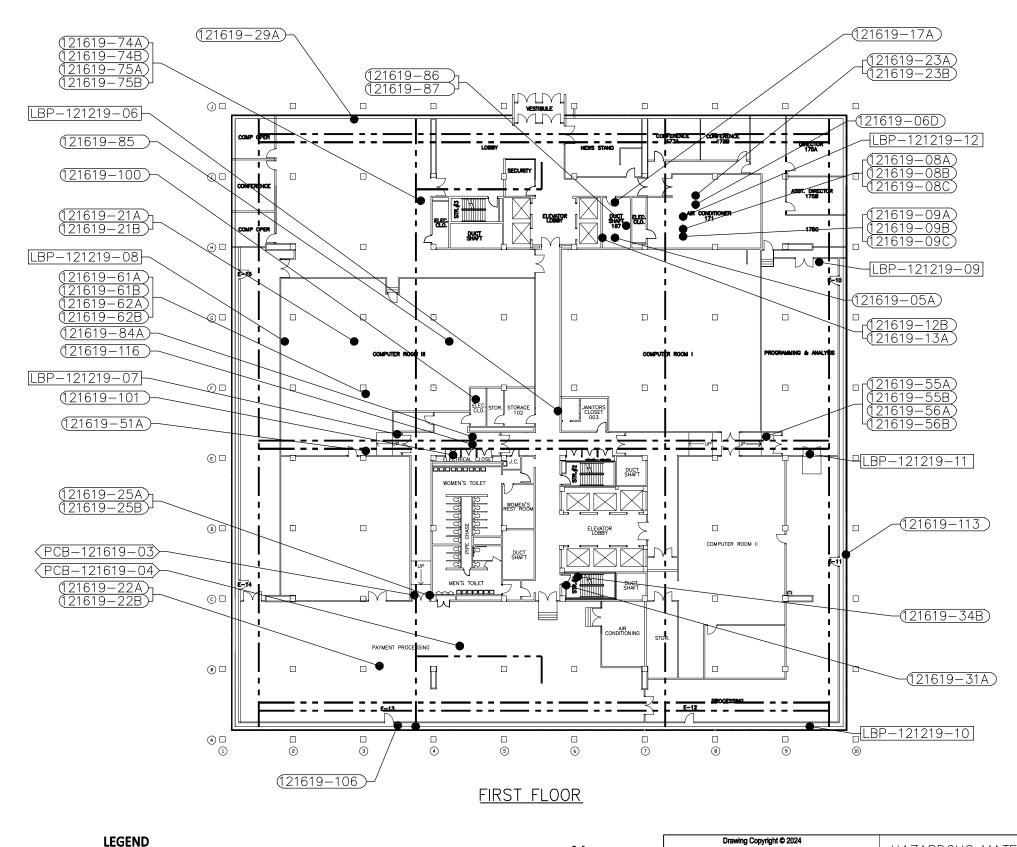




HAZARDOUS MATERIAL SAMPLE LOCATION PLAN
HARRIMAN STATE OFFICE CAMPUS — BUILDING 8
GROUND FLOOR
1220 WASHINGTON AVENUE
ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/24



ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION
IN-FLOOR ELECTRICAL RACEWAYS

● (21619-01A) ● LBP-121219-01 ● PCB-121619-01

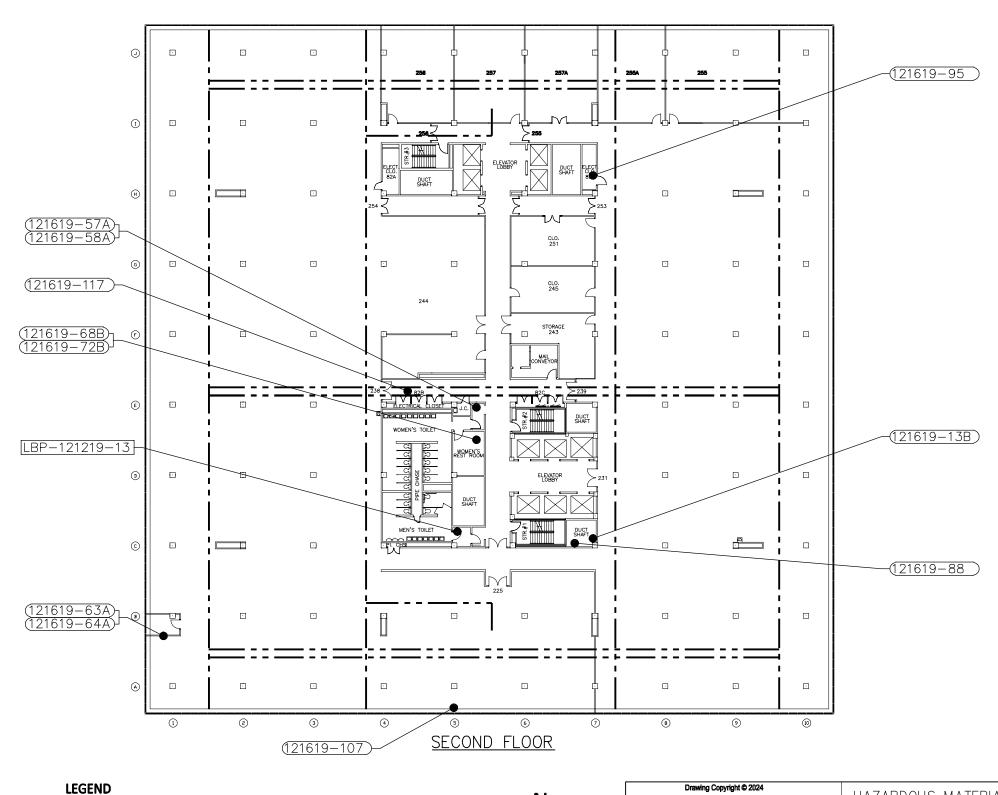




HAZARDOUS MATERIAL SAMPLE LOCATION PLAN
HARRIMAN STATE OFFICE CAMPUS — BUILDING 8
FIRST FLOOR
1220 WASHINGTON AVENUE
ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/24



ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION
IN-FLOOR ELECTRICAL RACEWAYS

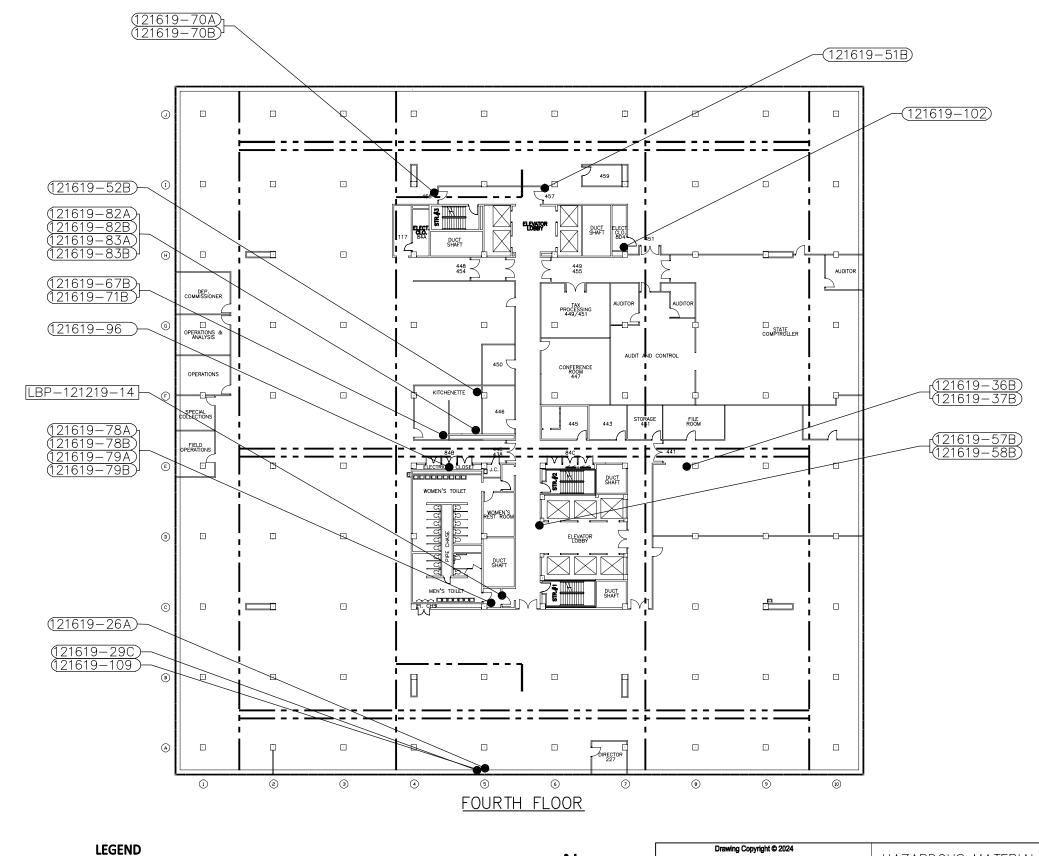




HAZARDOUS MATERIAL SAMPLE LOCATION PLAN
HARRIMAN STATE OFFICE CAMPUS — BUILDING 8
SECOND FLOOR
1220 WASHINGTON AVENUE
ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/20



ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION
IN-FLOOR ELECTRICAL RACEWAYS

(21619-01A) (LBP-121219-01) (PCB-121619-01)

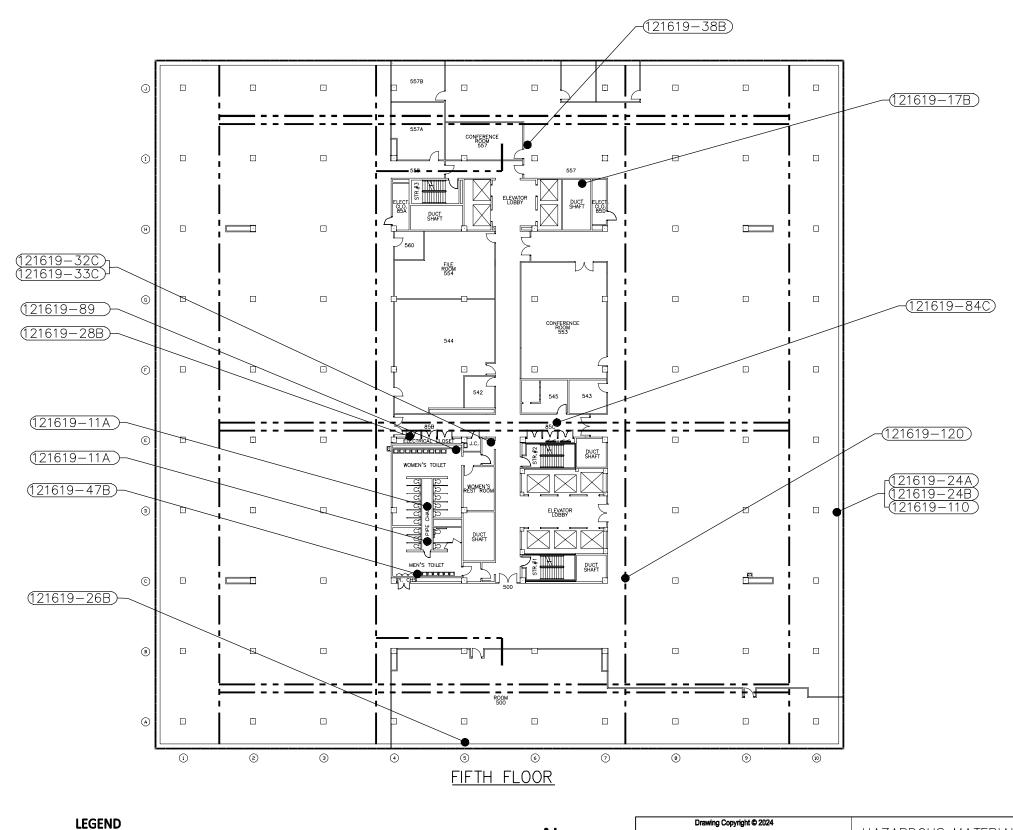




HAZARDOUS MATERIAL SAMPLE LOCATION PLAN
HARRIMAN STATE OFFICE CAMPUS — BUILDING 8
FOURTH FLOOR
1220 WASHINGTON AVENUE
ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/24



ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION
IN-FLOOR ELECTRICAL RACEWAYS

(21619-01A) (EBP-121619-01) (PCB-121619-01)

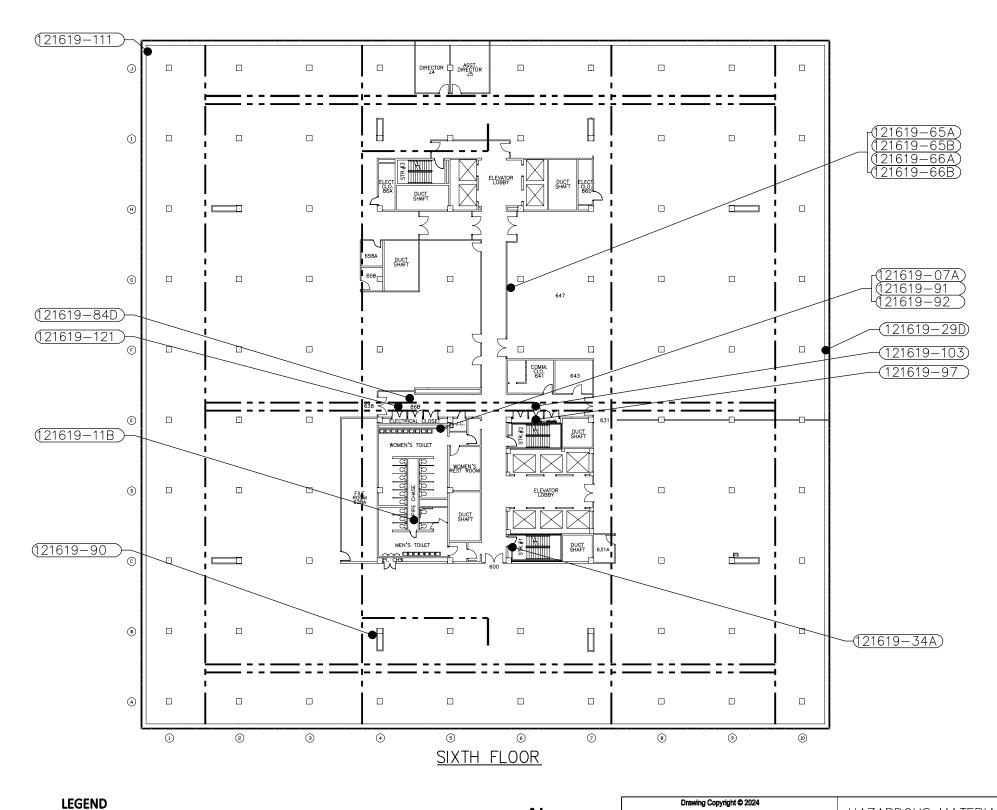




HAZARDOUS MATERIAL SAMPLE LOCATION PLAN
HARRIMAN STATE OFFICE CAMPUS — BUILDING 8
FIFTH FLOOR
1220 WASHINGTON AVENUE
ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/24



ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION
IN-FLOOR ELECTRICAL RACEWAYS

(21619-01A) (LBP-121619-01) (PCB-121619-01)

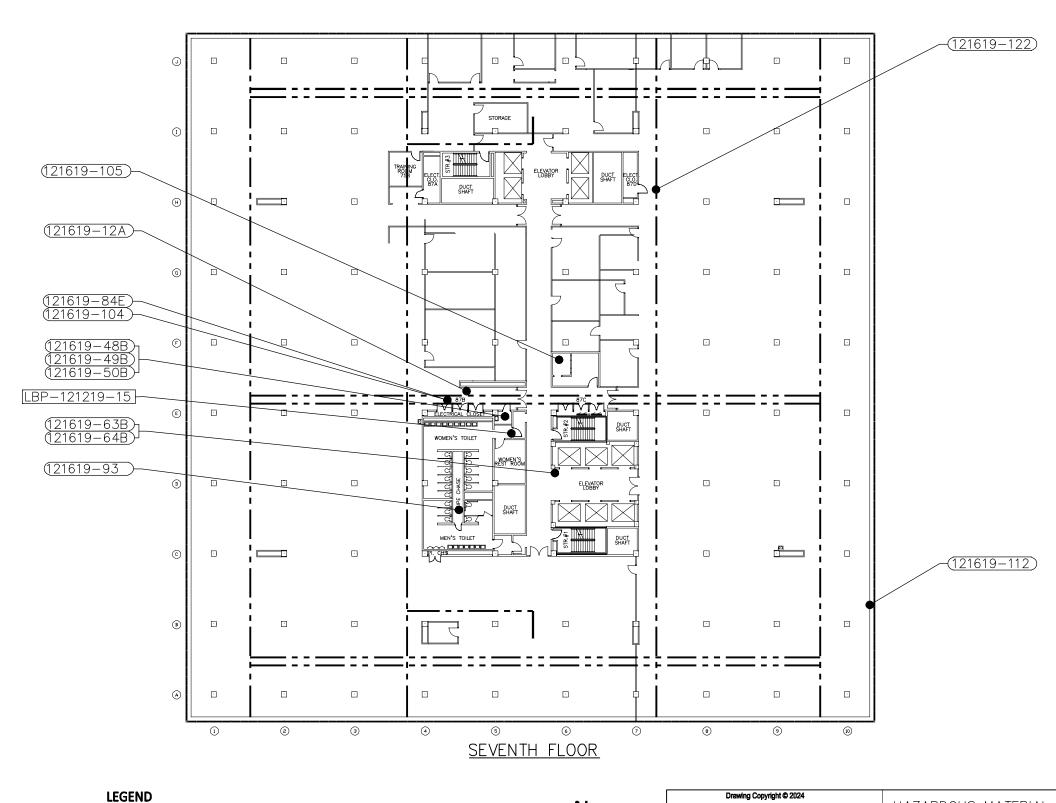




HAZARDOUS MATERIAL SAMPLE LOCATION PLAN
HARRIMAN STATE OFFICE CAMPUS — BUILDING 8
SIX FLOOR
1220 WASHINGTON AVENUE
ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/24



ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION
IN-FLOOR ELECTRICAL RACEWAYS

● (21619-01A) • LBP-121219-01 • PCB-121619-01

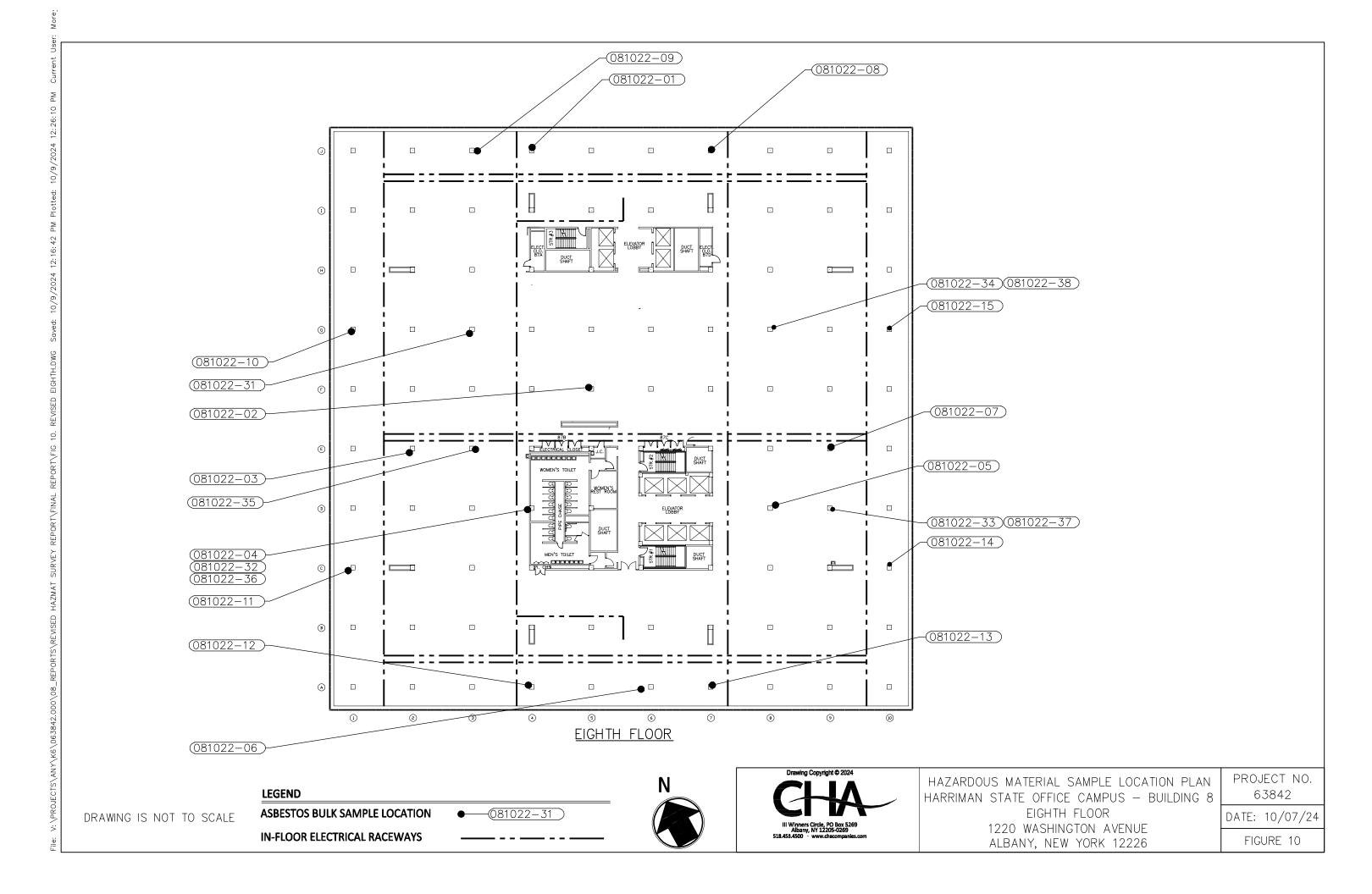


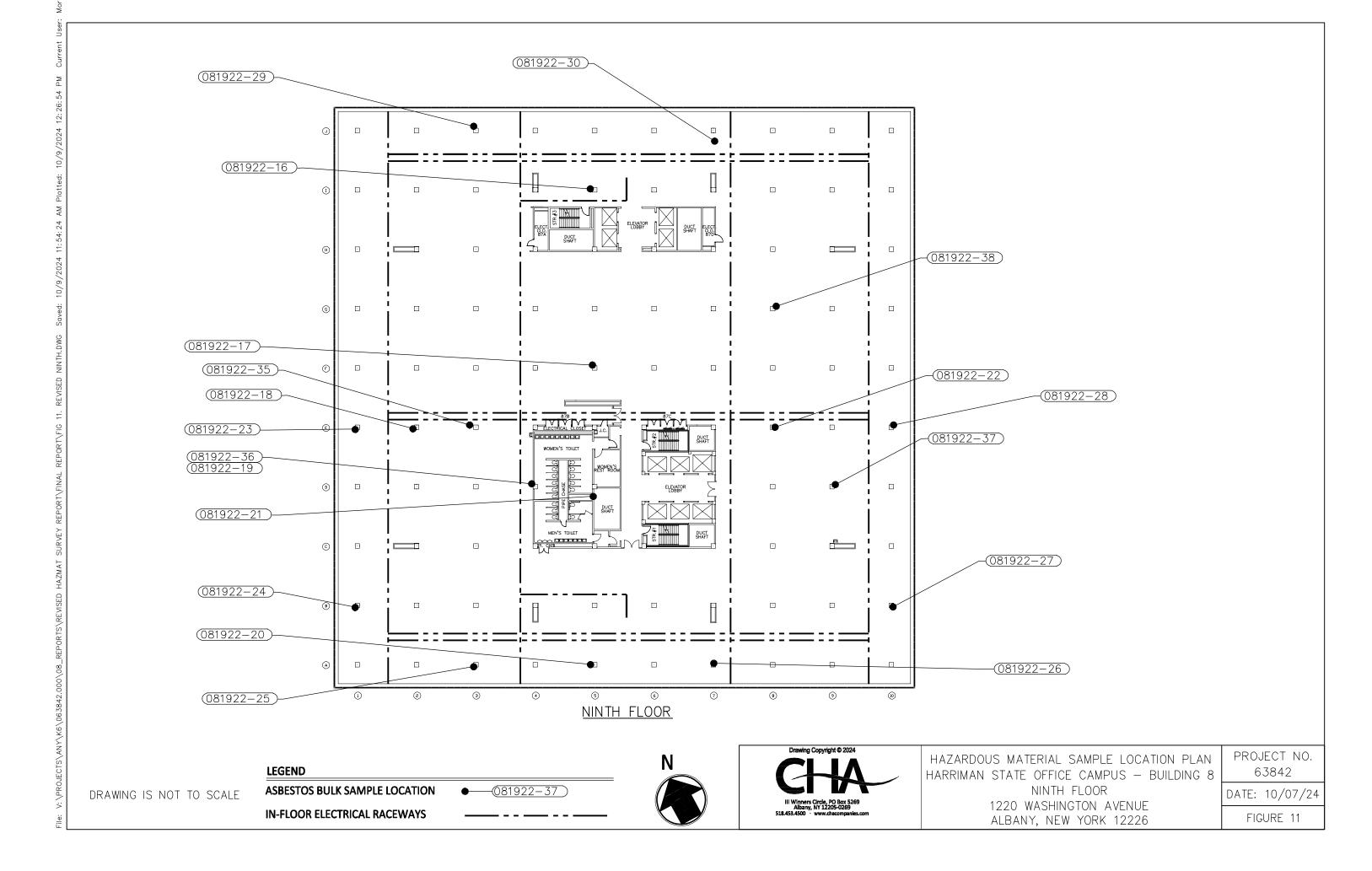


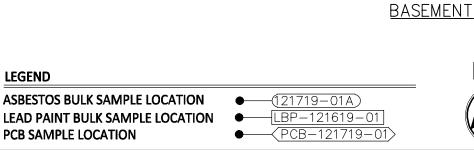
HAZARDOUS MATERIAL SAMPLE LOCATION PLAN
HARRIMAN STATE OFFICE CAMPUS — BUILDING 8
SEVENTH FLOOR
1220 WASHINGTON AVENUE
ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/24









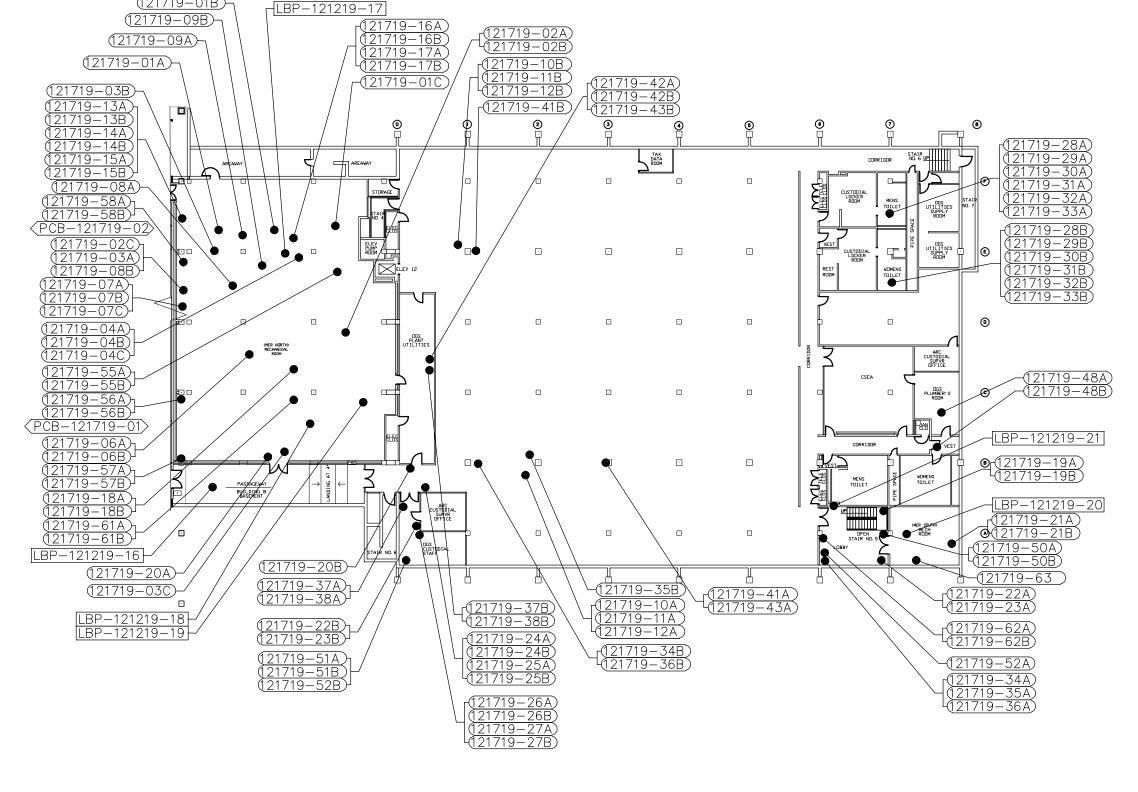


HAZARDOUS MATERIAL SAMPLE LOCATION PLAN HARRIMAN STATE OFFICE CAMPUS — BUILDING 8A BASEMENT 1220 WASHINGTON AVENUE ALBANY, NEW YORK 12226

PROJECT NO. 63842

DATE: 10/07/24

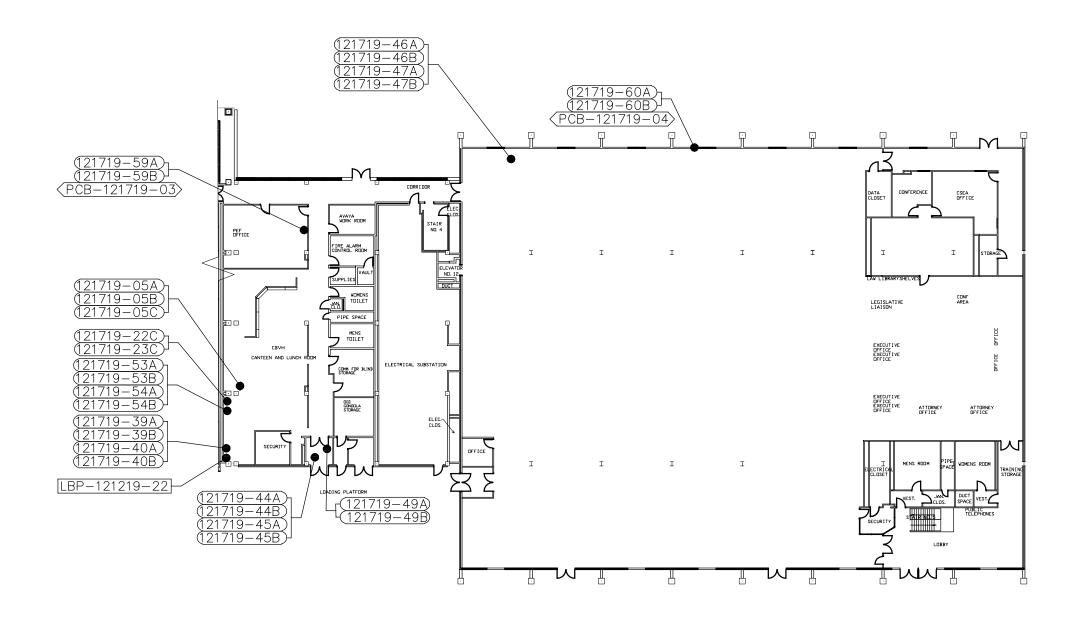
FIGURE 12



DRAWING IS NOT TO SCALE

ASBESTOS BULK SAMPLE LOCATION

(121719-01B)

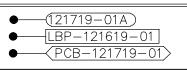


## GROUND FLOOR

LEGEND

DRAWING IS NOT TO SCALE

ASBESTOS BULK SAMPLE LOCATION
LEAD PAINT BULK SAMPLE LOCATION
PCB SAMPLE LOCATION



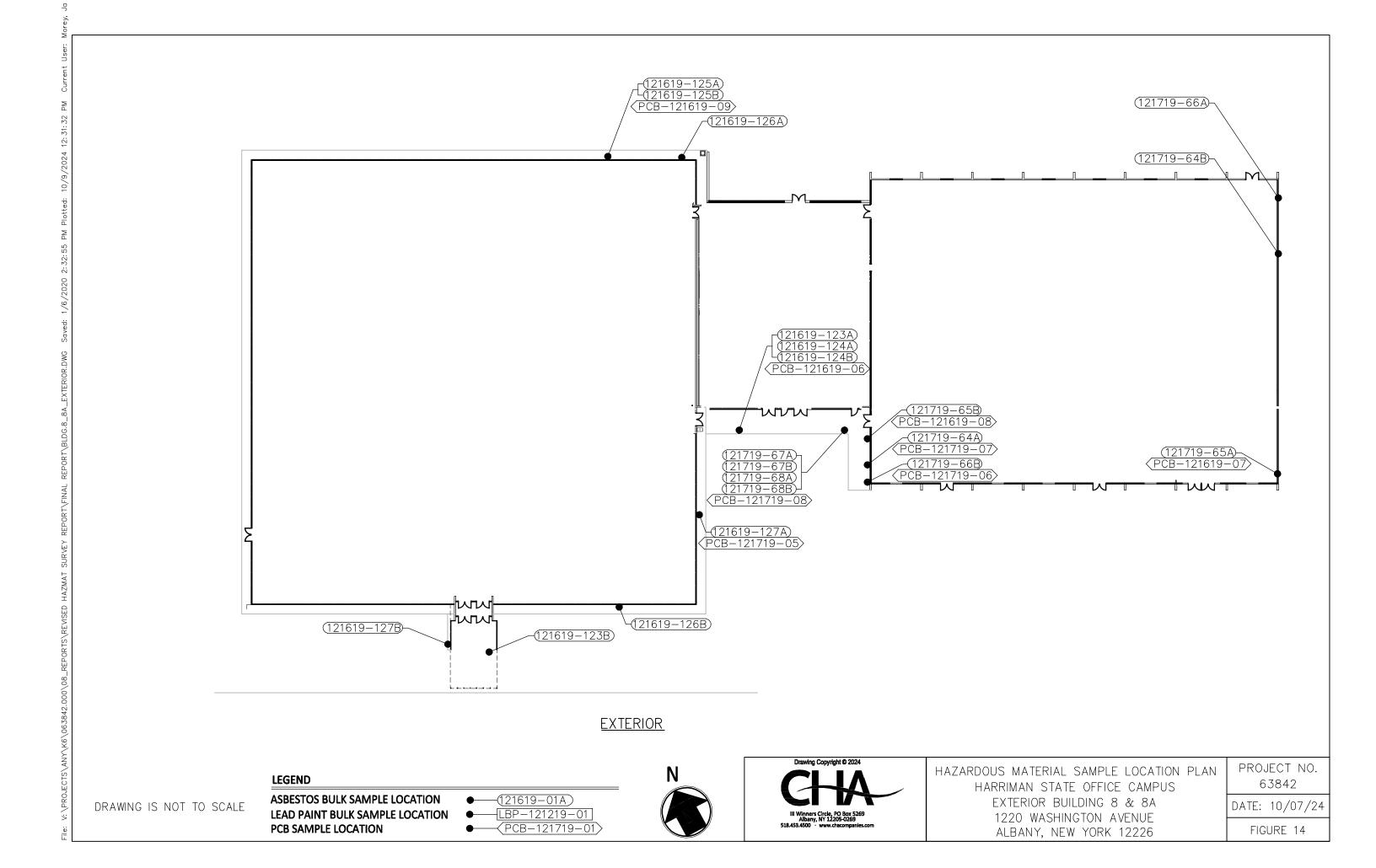




HAZARDOUS MATERIAL SAMPLE LOCATION PLAN HARRIMAN STATE OFFICE CAMPUS — BUILDING 8A GROUND FLOOR 1220 WASHINGTON AVENUE ALBANY, NEW YORK 12226 PROJECT NO. 63842

DATE: 10/07/24

FIGURE 13





# **APPENDIX A-1**

**Asbestos Bulk Sample Summary Table** 

# Building 8 - Basement through 9th Floor and Building 8A

	7 iibariy, 11011		
SAMPLE ID	SUSPECT MATERIAL DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT (%)
	Buildi	ng 8	
121819-01A	Paper/Foil over Styrofoam Pipe Insulation	Basement - 24" Lt. Blue Chilled Water Return	NAD
121819-01B	Paper/Foil over Styrofoam Pipe Insulation	Basement - 24" Lt. Blue Chilled Water Return	NAD
121819-02A	Gray Job-Molded Plaster Pipe Fitting Insulation	Basement - 24" Lt. Blue Chilled Water Return	18.2% Chrysotile
121819-02B	Gray Job-Molded Plaster Pipe Fitting Insulation	Basement - 24" Lt. Blue Chilled Water Return	NA/PS
121819-02C	Gray Job-Molded Plaster Pipe Fitting Insulation	Basement - 24" Lt. Blue Chilled Water Return	NA/PS
121819-03A	Paper/Foil over FG Pipe Insulation	Basement - 8" Orange Condensate Pipe	NAD
121819-03B	Paper/Foil over FG Pipe Insulation	Basement - 4" Cold Water Return pipe	NAD
121819-04A	Cloth wrap over FG Pipe Insulation	Basement - A37 (above Ceiling)	NAD
121819-04B	Cloth wrap over FG Pipe Insulation	1st Floor - North Duct Chase	NAD
121819-05A	Pre-molded Plaster Pipe Insulation	Basement - 16" High Pressure Steam Pipe (Yellow)	6.3% Chrysotile 6.3% Amosite
121819-05B	Pre-molded Plaster Pipe Insulation	Basement - 16" High Pressure Steam Pipe (Yellow)	3.2% Chrysotile 9.7% Amosite
121819-05C	Pre-molded Plaster Pipe Insulation	Basement - 16" High Pressure Steam Pipe (Yellow)	3.2% Chrysotile 9.7% Amosite
121819-06A	Tan Job-Molded Plaster Pipe Fitting Insulation	Basement - 2" Med Pressure Return Pipe (Room A)	NAD
121819-06B	Tan Job-Molded Plaster Pipe Fitting Insulation	Basement - 16" High Pressure Steam Pipe (Yellow)	14.8% Chrysotile
121819-06C	Tan Job-Molded Plaster Pipe Fitting Insulation	1st Floor - Achilled Water Ret Pipe: Air Conditioner (171)	NAD
121819-06D	Tan Job-Molded Plaster Pipe Fitting Insulation	6th Floor - Womens Room: Plumbing Chase	2.5% Chrysotile
121819-07A	White Plaster Pipe Fitting Insualtion	Basement - Generator Room (E-76)	NAD
121819-07B	White Plaster Pipe Fitting Insualtion	Basement - Generator Room (E-76)	NAD
121819-07C	White Plaster Pipe Fitting Insualtion	Basement - Generator Room (E-76)	NAD
121819-08A	White Plaster Insulation under Chicken Wire on Air Handler (Inner)	1st Floor - Air Conditioner (171)	3.3% Chrysotile 10.0% Amosite
121819-08B	White Plaster Insulation under Chicken Wire on Air Handler (Inner)	1st Floor - Air Conditioner (171)	NA/PS
121819-08C	White Plaster Insulation under Chicken Wire on Air Handler (Inner)	1st Floor - Air Conditioner (171)	NA/PS
121819-09A	Gray Plaster Insulation under Chicken Wire on Air Handler (Outer)	1st Floor - Air Conditioner (171)	NA/PS
121819-09B	Gray Plaster Insulation under Chicken Wire on Air Handler (Outer)	1st Floor - Air Conditioner (171)	NA/PS
121819-09C	Gray Plaster Insulation under Chicken Wire on Air Handler (Outer)	1st Floor - Air Conditioner (171)	NA/PS
121819-10A	White Pipe End Cap Sealant	Basement - 24" Lt. Blue Chilled Water Return	NAD
121819-10B	White Pipe End Cap Sealant	Basement - 24" Lt. Blue Chilled Water Return	NAD
121819-11A	Black Pipe End Cap Sealant	5th Floor - Mens Room: Plumbing Chase	2.2% Chrysotile
121819-11B	Black Pipe End Cap Sealant	6th Floor - Mens Room: Plumbing Chase	2.1% Chrysotile
121819-12A	Foil/Yellow Paper over FG Duct Insulation	7th Floor - above Hatch near EC 87B	NAD
121819-12B	Foil/Yellow Paper over FG Duct Insulation	1st Floor - North Duct Chase	NAD
121819-13A	Foil/Red Paper over FG Duct Insulation	1st Floor - North Duct Chase	NAD
121819-13B	Foil/Red Paper over FG Duct Insulation	2nd Floor - Duct Chase near Water Fountain	NAD

# Building 8 - Basement through 9th Floor and Building 8A

	Albany, New		
121819-14A	Black Sealant over FG Duct Insulation (Inner Layer)	Basement - A Room	NAD
121819-14B	Black Sealant over FG Duct Insulation (Inner Layer)	Basement - A Room	NAD
121819-15A	Paper/Yellow/Black Mastic under Cloth Wrap (Middle)	Basement - A Room	NAD
121819-15B	Paper/Yellow/Black Mastic under Cloth Wrap (Middle)	Basement - A Room	NAD
121819-16A	Cloth Wrap over FG Duct Insulation (Outer Layer)	Basement - A Room	NAD
121819-16B	Cloth Wrap over FG Duct Insulation (Outer Layer)	Basement - A Room	NAD
121819-17A	Gray Duct Sealant	1st Floor - North Duct Chase	1.9% Chrysotile
121819-17B	Gray Duct Sealant	5th Floor - North Duct Chase	2.1% Chrysotile
121819-18A	Black Sealant on Pipes	Basement - Main Steam Room	5.3% Chrysotile
121819-18B	Black Sealant on Pipes	Basement - Main Steam Room	5.6% Chrysotile
121819-19A	Black Bituminous Sealant between Concrete Forms	Basement - Main Steam Room	NAD
121819-19B	Black Bituminous Sealant between Concrete Forms	Basement - Main Steam Room	NAD
121819-20A	Black Bituminous Wall Coating	Basement - E46 (Storage)	NAD
121819-20B	Black Bituminous Wall Coating	Basement - E46 (Storage)	NAD
121819-21A	Black Adhesive under Elevated Floor Stand	1st Floor - Computer Room 3	NAD
121819-21B	Black Adhesive under Elevated Floor Stand	1st Floor - Computer Room 3	NAD
121819-22A	Yellow Adhesive under Elevated Floor Stands	1st Floor - Payment Processing (Column B)	NAD
121819-22B	Yellow Adhesive under Elevated Floor Stands	1st Floor - Payment Processing (Column B)	NAD
121819-23A	Yellow Sealant over FG Panels under Air Handler	1st Floor - Air Conditioner (171)	NAD
121819-23B	Yellow Sealant over FG Panels under Air Handler	1st Floor - Air Conditioner (171)	NAD
121819-24A	Black Sealant under Induction Vent	5th Floor - Induction Vent (Column D10)	NAD
121819-24B	Black Sealant under Induction Vent	5th Floor - Induction Vent (Column D10)	NAD
121819-25A	Gray Window Frame Caulk (Double Doors)	1st Floor - Payment Processing	NAD
121819-25B	Gray Window Frame Caulk (Double Doors)	1st Floor - Payment Processing	NAD
121819-26A	Red Flex Duct Sealant at Induction Vents	4th Floor - Room 400 (Column A5)	Trace < 1.0%
121819-26B	Red Flex Duct Sealant at Induction Vents	5th Floor - Room 400 (Column A5)	Trace < 1.0%
121819-27A	White Door Frame Caulk	Basement - Generator Room (E-76)	NAD
121819-27B	White Door Frame Caulk	Basement - Generator Room (E-76)	NAD
121819-28A	Red Fire-Stop Sealant	Basement - Outside Elevators	NAD
121819-28B	Red Fire-Stop Sealant	5th Floor - Electrical Closet (84B)	NAD
121819-29A	Window Glazing Compound	1st Floor - ITS Office (I3 Column)	Trace < 0.25%
121819-29B	Window Glazing Compound	3rd Floor - Column A5	Trace < 0.25%
121819-29C	Window Glazing Compound	4th Floor - Room 400 (Column A5)	Trace < 0.25%
121819-29D	Window Glazing Compound	6th Floor - Column F10	Trace < 0.25%
121819-30A	CMU Mortar	Basement	NAD
121819-30B	CMU Mortar	Basement	NAD
121819-31A	Brick Mortar	1st Floor - Stairwell B	NAD
121819-31B	Brick Mortar	3rd Floor - Stairwell C	NAD
121819-32A	Plaster Wall (Base Coat)	Ground Floor - Service Lobby	NAD
121819-32B	Plaster Wall (Base Coat)	3rd Floor - Entrance to Womens Room	NAD
121819-32C	Plaster Wall (Base Coat)	5th Floor - Entrance to Womens Room	NAD
121819-33A	Plaster Wall (Skim Coat)	Ground Floor - Service Lobby	NAD
121819-33B	Plaster Wall (Skim Coat)	3rd Floor - Entrance to Womens Room	NAD
121819-33C	Plaster Wall (Skim Coat)	5th Floor - Entrance to Womens Room	NAD
121819-34A	Black Terrazzo Flooring	6th Floor - Stairwell B	NAD

# ASBESTOS BULK SAMPLE SUMMARY Building 8 - Basement through 9th Floor and Building 8A

	rubarry, we	W 101K 12200	
121819-34B	Black Terrazzo Flooring	1st Floor - Stairwell B	NAD
121819-35A	Fire Door Core	Basement - Sliding Door b/t F-Room/O-Room Storage	NAD
121819-35B	Fire Door Core	Basement - Sliding Door b/t F-Room/O-Room Storage	NAD
121819-36A	Joint Compound (Walls)	Basement - Network Core Room (F34)	NAD
121819-36B	Joint Compound (Walls)	4th Floor - Room 443 (Column E8)	NAD
121819-37A	Gypsum Board Wall	Basement - Network Core Room (F34)	NAD
121819-37B	Gypsum Board Wall	4th Floor - Room 443 (Column E8)	NAD
121819-38A	Partition Wall Gypsum Board	Ground Floor - Conference Room 6	NAD
121819-38B	Partition Wall Gypsum Board	5th Floor - Column I6	NAD
121819-39A	Thinset to 4" Yellow CWT	Ground Floor - Nurses Station (14)	NAD
121819-39B	Thinset to 4" Yellow CWT	Ground Floor - Nurses Station (14)	NAD
121819-40A	Seam Grout to 4" Yellow CWT	Ground Floor - Nurses Station (14)	NAD
121819-40B	Seam Grout to 4" Yellow CWT	Ground Floor - Nurses Station (14)	NAD
121819-41A	4" Yellow CWT	Ground Floor - Nurses Station (14)	NAD
121819-41B	4" Yellow CWT	Ground Floor - Nurses Station (14)	NAD
121819-42A	Thinset to 1" Light Brown CFT	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-42B	Thinset to 1" Light Brown CFT	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-43A	Seam Grout to 1" Light Brown CFT	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-43B	Seam Grout to 1" Light Brown CFT	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-44A	1" Light Brown CFT	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-44B	1" Light Brown CFT	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-45A	Mastic/Thinset to 1" White CWT	Basement - Mens Bathroom	NAD
121819-45B	Mastic/Thinset to 1" White CWT	3rd Floor - Mens Bathroom	NAD
121819-46A	Seam Grout to 1" White CWT	2nd Floor - Mens Bathroom	NAD
121819-46B	Seam Grout to 1" White CWT	3rd Floor - Mens Bathroom	NAD
121819-47A	1" White CWT	3rd Floor - Mens Bathroom	NAD
121819-47B	1" White CWT	5th Floor - Mens Bathroom	NAD
121819-48A	Thinset to 2" Hexagonal CFT	3rd Floor - Janitors Closet	NAD
121819-48B	Thinset to 2" Hexagonal CFT	7th Floor - Janitors Closet	NAD
121819-49A	Seam Grout to 2" Hexagonal CFT	3rd Floor - Janitors Closet	NAD
121819-49B	Seam Grout to 2" Hexagonal CFT	7th Floor - Janitors Closet	NAD
121819-50A	2" Hexagonal CFT	3rd Floor - Janitors Closet	NAD
121819-50B	2" Hexagonal CFT	7th Floor - Janitors Closet	NAD
121819-51A	Vinyl Covering on Partition Wall	1st Floor - Computer Room 3	NAD
121819-51B	Vinyl Covering on Partition Wall	4th Floor - Column I-6	NAD
121819-52A	White Vinyl Wall Paper w/ Yellow Adhesive	3rd Floor - Canteen	NAD
121819-52B	White Vinyl Wall Paper w/ Yellow Adhesive	4th Floor - Canteen	NAD
121819-53A	Mesh Wall Paper w/ Yellow Adhesive	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-53B	Mesh Wall Paper w/ Yellow Adhesive	Ground Floor - Nurses Office Bathroom (14)	NAD
121819-54A	Maroon Stair Tread	Basement - Network Core Room (F-34)	NAD
121819-54B	Maroon Stair Tread	Basement - Network Core Room (F-34)	NAD
121819-55A	Yellow Mastick to Black Vinyl Flooring	1st Floor - Ramp into Programming & Analytics	NAD
121819-55B	Yellow Mastick to Black Vinyl Flooring	2nd Floor - Ramp into Programming & Analytics	NAD
121819-56A	Black Vinyl Flooring	1st Floor - Ramp into Programming & Analytics	NAD

### Building 8 - Basement through 9th Floor and Building 8A

	Albany, New	10111 12200	
121819-56B	Black Vinyl Flooring	1st Floor - Ramp into Programming & Analytics	NAD
121819-57A	Yellow/Brown Mastic to Black Vinyl Wall Corner Guard	2nd Floor - Entrance to Women's Bathroom	NAD
121819-57B	Yellow/Brown Mastic to Black Vinyl Wall Corner Guard	4th Floor - Elevator Lobby (16)	NAD
121819-58A	Black Vinyl Wall Corner Guard	2nd Floor - Entrance to Women's Bathroom	NAD
121819-58B	Black Vinyl Wall Corner Guard	4th Floor - Elevator Lobby (16)	NAD
121819-59A	Yellow Mastic to 4" Maroon Covebase	Basement - Network Core Room (F-34)	NAD
121819-59B	Yellow Mastic to 4" Maroon Covebase	Basement - Network Core Room (F-34)	NAD
121819-60A	4" Maroon Covebase	Basement - Network Core Room (F-34)	NAD
121819-60B	4" Maroon Covebase	Basement - Network Core Room (F-34)	NAD
121819-61A	Yellow Mastic to 4" Brown Covebase	1st Floor - Computer Room III	NAD
121819-61B	Yellow Mastic to 4" Brown Covebase	1st Floor - Computer Room III	NAD
121819-62A	4" Brown Covebase	1st Floor - Computer Room III	NAD
121819-62B	4" Brown Covebase	1st Floor - Computer Room III	NAD
121819-63A	Brown Mastic to 4" Black Covebase	2nd Floor - Room 226	NAD
121819-63B	Brown Mastic to 4" Black Covebase	7th Floor - Elevator Lobby (16)	NAD
121819-64A	4" Black Covebase	2nd Floor - Room 226	NAD
121819-64B	4" Black Covebase	7th Floor - Elevator Lobby (16)	NAD
121819-65A	Yellow Mastic to 4" Gray Covebase	6th Floor - Room 647 (Column G6)	NAD
121819-65B	Yellow Mastic to 4" Gray Covebase	6th Floor - Room 647 (Column G6)	NAD
121819-66A	4" Gray Covebase	6th Floor - Room 647 (Column G6)	NAD
121819-66B	4" Gray Covebase	6th Floor - Room 647 (Column G6)	NAD
121819-67A	Black Mastic to Tan 9"x9" FT	3rd Floor - Room 354	Trace < 0.25%
121819-67B	Black Mastic to Tan 9"x9" FT	4th Floor - Kitchenette (440)	Trace < 0.25%
121819-68A	Black Mastic to Olive 9"x9" FT	Ground Floor - Tax Analytics (70)	2.3% Chrysotile
121819-68B	Black Mastic to Olive 9"x9" FT	2nd Floor - Room adjacent to Womens Bathroom	NA/PS
121819-69A	Black Mastic to Black 9"x9" FT	Ground Floor - Room 75A	NA/PS
121819-69B	Black Mastic to Black 9"x9" FT	Ground Floor - Returns & Processing (35)	NA/PS
121819-70A	Light Brown 9"x9" FT	4th Floor - Entrance to Room 458	NA/PS
121819-70B	Light Brown 9"x9" FT	4th Floor - Entrance to Room 458	NA/PS
121819-71A	Tan 9"x9" FT w/ White Swirl	3rd Floor - Room 354	NA/PS
121819-71B	Tan 9"x9" FT w/ White Swirl	4th Floor - Kitchenette (440)	NA/PS
121819-72A	Olive 9"x9" FT w/ White Swirl	Ground Floor - Tax Analytics (70)	NA/PS
121819-72B	Olive 9"x9" FT w/ White Swirl	2nd Floor - Room adjacent to Womens Bathroom	NA/PS
121819-73A	Black 9"x9" FT	Ground Floor - Room 75A	NA/PS
121819-73B	Black 9"x9" FT	Ground Floor - Returns & Processing (35)	NA/PS
121819-74A	Black Mastic to Blue 12"x12" FT w/White Swirl	1st Floor - Room adjacent to Security Check In	NAD
121819-74B	Black Mastic to Blue 12"x12" FT w/White Swirl	1st Floor - Room adjacent to Security Check In	NAD
121819-75A	Blue 12"x12" FT w/White Swirl	1st Floor - Room adjacent to Security Check In	NAD
121819-75B	Blue 12"x12" FT w/White Swirl	1st Floor - Room adjacent to Security Check In	NAD
121819-76A	Yellow Mastic to Blue Marbled 12"x12" FT	Ground Floor - Internal Affairs (75)	NAD
121819-76B	Yellow Mastic to Blue Marbled 12"x12" FT	Ground Floor - Internal Affairs (75)	NAD
121819-77A	Blue Marbled 12"x12" FT	Ground Floor - Internal Affairs (75)	NAD

### Building 8 - Basement through 9th Floor and Building 8A $\,$

	Albaity, New	TOTK 12203	
121819-77B	Blue Marbled 12"x12" FT	Ground Floor - Internal Affairs (75)	NAD
121819-78A	Black Mastic to Off-White Marbled 12"x12" FT	4th Floor - Outside Men's Bathroom	Trace < 0.25%
121819-78B	Black Mastic to Off-White Marbled 12"x12" FT	4th Floor - Outside Men's Bathroom	1.5% Chrysotile
121819-79A	Off-White Marbled 12"x12" FT	4th Floor - Outside Men's Bathroom	NA/PS
121819-79B	Off-White Marbled 12"x12" FT	4th Floor - Outside Men's Bathroom	NA/PS
121819-80A	Brown Mastic to Beige 12"x12" FT w/White Swirl	Basement - Room A-37	NAD
121819-80B	Brown Mastic to Beige 12"x12" FT w/White Swirl	Basement - Room A-37	NAD
121819-81A	Beige 12"x12" FT w/White Swirl	Basement - Room A-37	7.2% Chrysotile
121819-81B	Beige 12"x12" FT w/White Swirl	Basement - Room A-37	NA/PS
121819-82A	Yellow/Brown Mastic to Light Green Marbled 12"x12" FT	4th Floor - Kitchenette (440)	NAD
121819-82B	Yellow/Brown Mastic to Light Green Marbled 12"x12" FT	4th Floor - Kitchenette (440)	NAD
121819-83A	Light Green Marbled 12"x12" FT	4th Floor - Kitchenette (440)	NAD
121819-83B	Light Green Marbled 12"x12" FT	4th Floor - Kitchenette (440)	NAD
121819-84A	Spray-On Fireproofing	1st Floor - Above Ceiling (Electrical Closet 81B)	2.8% Chrysotile
121819-84B	Spray-On Fireproofing	3rd Floor - Above Ceiling (Electrical Closet 83B)	2.8% Chrysotile
121819-84C	Spray-On Fireproofing	5th Floor - Above Ceiling (Electrical Closet 85C)	3.5% Chrysotile
121819-84D	Spray-On Fireproofing	6th Floor - Above Ceiling (Electrical Closet 86B)	2.8% Chrysotile
121819-84E	Spray-On Fireproofing	7th Floor - Wall (Electrical Closet 87B)	3.0% Chrysotile
121819-85	Above Ceiling - Bulk Dust/Debris	1st Floor (Hatch) - Computer Room III (Column G4)	3.8% Chrysotile
121819-86	Wall - Bulk Dust/Debris	1st Floor - North Duct Chase	36.4% Chrysotile
121819-87	Floor - Bulk Dust/Debris	1st Floor - North Duct Chase	2.5% Chrysotile
121819-88	Bulk Debris - Paper	2nd Floor - Duct Chase near Water Fountain	NAD
121819-89	Bulk Dust/Debris	5th Floor - Plumbing Chase (Womens Room)	2.8% Chrysotile
121819-90	Bulk Dust/Debris	6th Floor - Plumbing Chase (Column B4)	3.5% Chrysotile
121819-91	Bulk Debris - Pipe Wrap	6th Floor - Plumbing Chase (Womens Room)	NAD
121819-92	Bulk Dust/Debris	6th Floor - Plumbing Chase (Womens Room)	2.3% Chrysotile
121819-93	Bulk Dust/Debris	7th Floor - Plumbing Chase (Mens Room)	4.0% Chrysotile
121819-94	Interior - Bulk Dust/Debris	Ground Floor - Electrical Panel 8GA	4.8% Chrysotile
121819-95	Interior - Bulk Dust/Debris	2nd Floor - Electrical Panel 82D	5.0% Chrysotile
121819-96	Interior - Bulk Dust/Debris	4th Floor - Electrical Panel 84B	4.0% Chrysotile
121819-97	Interior - Bulk Dust/Debris	6th Floor - Electrical Panel 86C	4.5% Chrysotile
121819-98	Floor - Bulk Dust/Debris	Ground Floor - Electrical Closet 8GA	4.3% Chrysotile
121819-99	Floor - Bulk Dust/Debris	Ground Floor - Electrical Closet 8GD	3.0% Chrysotile
121819-100	Floor - Bulk Dust/Debris	1st Floor - Electrical Closet/Computer Room III	0.8% Chrysotile
121819-101	Floor - Bulk Dust/Debris	1st Floor - Electrical Closet 81B	3.3% Chrysotile
121819-102	Floor - Bulk Dust/Debris	4th Floor - Electrical Closet 84D	4.3% Chrysotile
121819-103	Floor - Bulk Dust/Debris	6th Floor - Electrical Closet 86C	Trace <0.25%
121819-104	Floor - Bulk Dust/Debris	7th Floor - Electrical Closet 87B	3.0% Chrysotile
121819-105	Floor - Bulk Dust/Debris	7th Floor - Conveyor Shaft Room	2.5% Chrysotile
121819-106	Induction Vent - Bulk Dust/Debris	1st Floor -Perimeter Walkway (Payment Processing)	1.8% Chrysotile

## Building 8 - Basement through 9th Floor and Building 8A

	/ libarry, rec		
121819-107	Induction Vent - Bulk Dust/Debris	2nd Floor - Column A5	Trace < 0.25%
121819-108	Induction Vent - Bulk Dust/Debris	3rd Floor - Column A4	7.7% Chrysotile
121819-109	Induction Vent - Bulk Dust/Debris	4th Floor - Room 400 (Column A5)	NAD
121819-110	Induction Vent - Bulk Dust/Debris	5th Floor - Column D10	3.8% Chrysotile
121819-111	Induction Vent - Bulk Dust/Debris	6th Floor - Column J1	3.3% Chrysotile
121819-112	Induction Vent - Bulk Dust/Debris	7th Floor - Column B10	3.0% Chrysotile
121819-113	Induction Vent - Bulk Dust/Debris	1st Floor - Processing & Analytics (Door E11)	3.5% Chrysotile
121819-114	Raceway - Bulk Dust/Debris	Ground Floor - Room 52	NAD
121819-115	Raceway - Bulk Dust/Debris	Ground Floor - Nurses Office	NAD
121819-116	Raceway - Bulk Dust/Debris	1st Floor - Electrical Closet/Computer Room III	4.8% Chrysotile
121819-117	Raceway - Bulk Dust/Debris	2nd Floor - adjacent to EC 82B	NAD
121819-118	Raceway - Bulk Dust/Debris	2nd Floor - adjacent to EC 82A	0.3% Chrysotile
121819-119	Raceway - Bulk Dust/Debris	3rd Floor - Data Closet 83C	1.5% Chrysotile
121819-120	Raceway - Bulk Dust/Debris	5th Floor - Column C8	6.0% Chrysotile
121819-121	Raceway - Bulk Dust/Debris	6th Floor - adjacent to EC 86C	Trace < 0.25%
121819-122	Raceway - Bulk Dust/Debris	7th Floor - adjacent to EC 87D	NAD
121819-123A	Cementitious Board	Exterior - Loading Dock (Soffit)	21.1% Chrysotile
121819-123B	Cementitious Board	Exterior - Main Entrance (Vestibule Ceiling)	20.0% Chrysotile
121819-124A	Gray Seam Caulk	Exterior - Loading Dock (Soffit)	Trace < 0.25%
121819-124B	Gray Seam Caulk	Exterior - Loading Dock (Soffit)	Trace < 0.25%
121819-125A	Black Window Glazing Compound	Exterior - North Side	3.6% Chrysotile
121819-125B	Black Window Glazing Compound	Exterior - North Side	5.8% Chrysotile
121819-126A	Gray Window Glazing Compound (Brittle)	Exterior - North Side	NAD
121819-126B	Gray Window Glazing Compound (Brittle)	Exterior - South Side	Trace < 0.25%
121819-127A	Gray Window Glazing Compound (Soft)	Exterior - East Side	8.3% Chrysotile
121819-127B	Gray Window Glazing Compound (Soft)	Exterior - Main Entrance (South Side)	7.1% Chrysotile
063022-01A	Abandoned Chilled H ₂ O Insulation	Penthouse	NAD
063022-01B	Abandoned Chilled H ₂ O Insulation	Penthouse	NAD
063022-01C	Abandoned Chilled H ₂ O Insulation	Penthouse	NAD
063022-02A	Return Duct Work Jacketing	Penthouse	NAD
063022-02B	Return Duct Work Jacketing	Penthouse	NAD
063022-02C	Return Duct Work Jacketing	Penthouse	NAD
063022-03A	Steam Pipe Insulation	Penthouse	NAD
063022-03B	Steam Pipe Insulation	Penthouse	NAD
063022-03C	Steam Pipe Insulation	Penthouse	NAD
063022-04A	Supply Duct Work Insulation (SF-1)	Penthouse	NAD
063022-04B	Supply Duct Work Insulation (SF-3)	Penthouse	NAD
063022-04C	Supply Duct Work Insulation (SF-7)	Penthouse	NAD
063022-04D	Supply Duct Work Insulation (SF-9)	Penthouse	NAD
063022-04E	Supply Duct Work Insulation (SF-14)	Penthouse	NAD
081022-01	Concrete Floor Slab	8th Floor - Column J4	NAD
081022-02	Concrete Floor Slab	8th Floor - Column F5	NAD
081022-03	Concrete Floor Slab	8th Floor - Column E2	NAD
081022-04	Concrete Floor Slab	8th Floor - Column D4	NAD
081022-05	Concrete Floor Slab	8th Floor - Column D7	NAD
081022-06	Concrete Floor Slab	8th Floor - Column A6	NAD

# Building 8 - Basement through 9th Floor and Building 8A Harriman State Campus Albany, New York 12203

081022-07	Concrete Floor Slab	8th Floor - Column E8	NAD
081022-08	Concrete Floor Slab	8th Floor - Column J7	NAD
081022-09	Concrete Floor Slab	8th Floor - Column J3	Trace <1%
081022-10	Concrete Floor Slab	8th Floor - Column G1	NAD
081022-11	Concrete Floor Slab	8th Floor - Column C1	NAD
081022-12	Concrete Floor Slab	8th Floor - Column A4	Trace <1%
081022-13	Concrete Floor Slab	8th Floor - Column A7	NAD
081022-14	Concrete Floor Slab	8th Floor - Column C10	NAD
081022-15	Concrete Floor Slab	8th Floor - Column G10	NAD
081022-16	Concrete Floor Slab	9th Floor - Column I5	NAD
081022-17	Concrete Floor Slab	9th Floor - Column F5	NAD
081022-18	Concrete Floor Slab	9th Floor - Column E2	NAD
081022-19	Concrete Floor Slab	9th Floor - Column D4	NAD
081022-20	Concrete Floor Slab	9th Floor - Column A5	NAD
081022-21	Concrete Floor Slab	9th Floor - Column D6	NAD
081022-22	Concrete Floor Slab	9th Floor - Column E8	NAD
081022-23	Concrete Floor Slab	9th Floor - Column E1	NAD
081022-24	Concrete Floor Slab	9th Floor - Column B1	NAD
081022-25	Concrete Floor Slab	9th Floor - Column A3	NAD
081022-26	Concrete Floor Slab	9th Floor - Column A7	NAD
081022-27	Concrete Floor Slab	9th Floor - Column B10	NAD
081022-28	Concrete Floor Slab	9th Floor - Column E10	NAD
081022-29	Concrete Floor Slab	9th Floor - Column J3	Trace <1%
081022-30	Concrete Floor Slab	9th Floor - Column J7	NAD
081022-31	Column Concrete	8th Floor - Column G3	Trace <1%
081022-32	Column Concrete	8th Floor - Column D4	Trace <1%
081022-33	Column Concrete	8th Floor - Column D9	1.1% Chrysotile
081022-34	Column Concrete	8th Floor - Column G8	NAD
081022-35	Column Concrete	9th Floor - Column E3	NAD
081022-36	Column Concrete	9th Floor - Column D4	NAD
081022-37	Column Concrete	9th Floor - Column D9	1.3% Chrysotile
081022-38	Column Concrete	9th Floor - Column G8	NAD
080923RB-01A	Concrete Floor Slab	Basement - South Center	NAD
080923RB-01A	Concrete Floor Slab	Basement - South Center	Trace <1%
080923RB-01B	Concrete Floor Slab	Basement - South West	NAD
080923RB-01C	Concrete Floor Slab	Basement - West Center	NAD
080923RB-01D	Concrete Floor Slab	Basement - Center	NAD
080923RB-01E	Concrete Floor Slab	Basement - North East	NAD
080923RB-01F	Concrete Floor Slab	Basement - North Center	NAD
080923RB-01G	Concrete Floor Slab	Basement - North West Corner	NAD
	Buildir	ng 8A	
121719-01A	Gray Plaster Insulation	Basement: MER (North) - Air Handler A	14.3% Chrysotile
121719-01B	Gray Plaster Insulation	Basement: MER (North) - Air Handler B	NA/PS
121719-01C	Gray Plaster Insulation	Basement: MER (North) - Air Handler C	NA/PS

# Building 8 - Basement through 9th Floor and Building 8A Harriman State Campus Albany, New York 12203

	Tilburiy, New	TOTA TEEGO	
121719-02A	Gray Pre-Molded Plaster Pipe Insulation	Basement: MER (North) 6" Gray Generator Exhaust Pipe	12.5% Amosite
121719-02B	Gray Pre-Molded Plaster Pipe Insulation	Basement: MER (North) 6" Gray Generator Exhaust Pipe	NA/PS
121719-02C	Gray Pre-Molded Plaster Pipe Insulation	Basement: MER (North) 6" Yellow High Temp Pipe	NA/PS
121719-03A	Gray Job-molded Plaster Pipe Fitting Insulation	Basement: MER (North) 6" Yellow High Temp Pipe	6.0% Chrysotile
121719-03B	Gray Job-molded Plaster Pipe Fitting Insulation	Basement: MER (North) 2" Orange Low Pressure Steam Pipe	NA/PS
121719-03C	Gray Job-molded Plaster Pipe Fitting Insulation	Basement: MER (South) 2" Yellow Low Pressure Steam Pipe	NA/PS
121719-04A	Gray Pre-molded Plaster Coating	Basement: MER (North) - 3" Blue Chilled Water Pipe adjacent to Air Handler B	NAD
121719-04B	Gray Pre-molded Plaster Coating	Basement: MER (North) - 3" Blue Chilled Water Pipe adjacent to Air Handler B	NAD
121719-04C	Gray Pre-molded Plaster Coating	Basement: MER (North) - 3" Blue Chilled Water Pipe adjacent to Air Handler B	NAD
121719-05A	Gray Job-Molded Plaster Coating over Pipe Fitting FG Insulation	Ground Floor: Cafeteria	3.0% Chrysotile
121719-05B	Gray Job-Molded Plaster Coating over Pipe Fitting FG Insulation	Ground Floor: Cafeteria	NA/PS
121719-05C	Gray Job-Molded Plaster Coating over Pipe Fitting FG Insulation	Ground Floor: Cafeteria	NA/PS
121719-06A	Pipe End Cap Sealant (FG PI)	Basement: MER (North) 2" Orange Low Pressure Steam Pipe	NAD
121719-06B	Pipe End Cap Sealant (FG PI)	Basement: MER (North) 2" Orange Low Pressure Steam Pipe	NAD
121719-07A	Plaster Pipe End Cap Sealant	Basement : MER North - 6" Yellow High Temp Pipe	2.8% Chrysotile
121719-07B	Plaster Pipe End Cap Sealant	Basement : MER North - 6" Yellow High Temp Pipe	NA/PS
121719-07C	Plaster Pipe End Cap Sealant	Basement : MER North - 6" Yellow High Temp Pipe	NA/PS
121719-08A	Cloth Wrap over FG Pipe Insualtion	Basement: MER (North) - 2" Orange Low Pressure Steam Pipe	NAD
121719-08B	Cloth Wrap over FG Pipe Insualtion	Basement: MER (North) - 6" Yellow - High Temp Pipe	NAD
121719-09A	Paper/Foil over Styrofoam Pipe Insualtion	Basement: MER (North) - 4" Light Blue Pipe.	NAD
121719-09B	Paper/Foil over Styrofoam Pipe Insualtion	Basement: MER (North) 3" Blue/Gray Hot Water Return Pipe	NAD
121719-10A	Brown Paper/Foil over FG Pipe Insulation	Basement - Main Area above Suspended Ceiling (Column B2)	NAD
121719-10B	Brown Paper/Foil over FG Pipe Insulation	Basement: Main Area - above Suspended Ceiling (Column E2)	NAD
121719-11A	Foil/Red Paper over FG Duct Insulation	Basement - Main Area above Suspended Ceiling (Column B2)	NAD
121719-11B	Foil/Red Paper over FG Duct Insulation	Basement: Main Area - above Suspended Ceiling (Column E2)	NAD
121719-12A	Foil/Brown Paper over FG Duct Insulation	Basement - Main Area above Suspended Ceiling (Column B2)	NAD
121719-12B	Foil/Brown Paper over FG Duct Insulation	Basement: Main Area - above Suspended Ceiling (Column E2)	NAD

# Building 8 - Basement through 9th Floor and Building 8A Harriman State Campus Albany, New York 12203

121719-13A	Black Sealant over FG Duct Insulation (Inner Layer)	Basement: MER (North)	NAD
121719-13B	Black Sealant over FG Duct Insulation (Inner Layer)	Basement: MER (North)	NAD
121719-14A	Brown Paper/ Mastic under Cloth Wrap (Middle Layer)	Basement: MER (North)	NAD
121719-14B	Brown Paper/ Mastic under Cloth Wrap (Middle Layer)	Basement: MER (North)	NAD
121719-15A	Cloth Wrap over FG Duct Insulation (Outer Layer)	Basement: MER (North)	NAD
121719-15B	Cloth Wrap over FG Duct Insulation (Outer Layer)	Basement: MER (North)	NAD
121719-16A	Black Sealant over FG Pipe Insulation (Inner Layer)	Basement: MER (North)	NAD
121719-16B	Black Sealant over FG Pipe Insulation (Inner Layer)	Basement: MER (North)	NAD
121719-17A	White Paper/Foil over FG Pipe Insulation Outer Layer)	Basement: MER (North)	NAD
121719-17B	White Paper/Foil over FG Pipe Insulation Outer Layer)	Basement: MER (North)	NAD
121719-18A	Green Flange Gasket	Basement: MER (North) - Pump Transmission	NAD
121719-18B	Green Flange Gasket	Basement: MER (North) - Pump Transmission	NAD
121719-19A	Black Terrazzo Flooring	Basement: South Lobby	NAD
121719-19B	Black Terrazzo Flooring	Basement: South Lobby	NAD
121719-20A	CMU Mortar	Basement: MER (North)	NAD
121719-20B	CMU Mortar	Basement: OGS Plant Utilities (Engineer's Office)	NAD
121719-21A	Lag Cloth Wrap over FG Pipe Insulation	Basement: MER South	NAD
121719-21B	Lag Cloth Wrap over FG Pipe Insulation	Basement: MER South	NAD
121719-22A	Plaster Wall (Base Coat)	Basement: Lobby	NAD
121719-22B	Plaster Wall (Base Coat)	Basement: OGS Custodial Staff	NAD
121719-22C	Plaster Wall (Base Coat)	Ground Floor: Cafeteria	NAD
121719-23A	Plaster Wall (Skim Coat)	Basement: Lobby	NAD
121719-23B	Plaster Wall (Skim Coat)	Basement: OGS Custodial Staff	NAD
121719-23C	Plaster Wall (Skim Coat)	Ground Floor: Cafeteria	NAD
121719-24A	Vinyl Wall Paper over Partition Wall Gypsum Board	Basement: Outside OGS Custodial Staff	NAD
121719-24B	Vinyl Wall Paper over Partition Wall Gypsum Board	Basement: Outside OGS Custodial Staff	NAD
121719-25A	Partition Wall Gypsum Board	Basement: Outside OGS Custodial Staff	NAD
121719-25B	Partition Wall Gypsum Board	Basement: Outside OGS Custodial Staff	NAD
121719-26A	Joint Compound (Wall)	Basement: OGS Custodial Staff	NAD
121719-26B	Joint Compound (Wall)	Basement: OGS Custodial Staff	NAD
121719-27A	Gypsum Board (Wall)	Basement: OGS Custodial Staff	NAD
121719-27B	Gypsum Board (Wall)	Basement: OGS Custodial Staff	NAD
121719-28A	Thinset to 2" White Hexagonal CFT	Basement: Men's Bathroom	NAD
121719-28B	Thinset to 2" White Hexagonal CFT	Basement: Women's Bathroom	NAD

### Building 8 - Basement through 9th Floor and Building 8A

	Albaity, New	TOTA TEEOO	
121719-29A	Seam Grout to 2" White Hexagonal CFT	Basement: Men's Bathroom	NAD
121719-29B	Seam Grout to 2" White Hexagonal CFT	Basement: Women's Bathroom	NAD
121719-30A	2" White Hexagonal CFT	Basement: Men's Bathroom	NAD
121719-30B	2" White Hexagonal CFT	Basement: Women's Bathroom	NAD
121719-31A	Bedding Glue to 1" White CWT	Basement: Men's Bathroom	NAD
121719-31B	Bedding Glue to 1" White CWT	Basement: Women's Bathroom	NAD
121719-32A	Seam Grout to 1" White CWT	Basement: Men's Bathroom	NAD
121719-32B	Seam Grout to 1" White CWT	Basement: Women's Bathroom	NAD
121719-33A	1" White CWT	Basement: Men's Bathroom	NAD
121719-33B	1" White CWT	Basement: Women's Bathroom	NAD
121719-34A	1'x1' Mineral Fiberboard CT (Pinhole)	Basement: South Lobby	NAD
121719-34B	1'x1' Mineral Fiberboard CT (Pinhole)	Basement: Main Area - Column B1	NAD
121719-35A	1'x1' Mineral Fiberboard CT (pinhole/crevasse)	Basement: South Lobby	NAD
121719-35B	1'x1' Mineral Fiberboard CT (pinhole/crevasse)	Basement: Main Area - Column B2	NAD
121719-36A	1'x1' Mineral Fiberboard CT (deep crevasse)	Basement: South Lobby	NAD
121719-36B	1'x1' Mineral Fiberboard CT (deep crevasse)	Basement: Main Area - Column B1	NAD
121719-37A	Black Mastic to 9"x9" Gray FT w/ Black Streaks	Basement: OGS Custodial Staff	2.4% Chrysotile
121719-37B	Black Mastic to 9"x9" Gray FT w/ Black Streaks	Basement: OGS Plant Utilities (Engineer's Office)	NA/PS
121719-38A	9"x9" Gray FT w/ Black Streaks	Basement: OGS Custodial Staff	5.3% Chrysotile
121719-38B	9"x9" Gray FT w/ Black Streaks	Basement: OGS Plant Utilities (Engineer's Office)	NA/PS
121719-39A	Yellow/Brown Mastic to 16"x16" Light Brown Vinyl FT (over Gray 9x9 FT)	Ground Floor: Cafeteria	NAD
121719-39B	Yellow/Brown Mastic to 16"x16" Light Brown Vinyl FT (over Gray 9x9 FT)	Ground Floor: Cafeteria	NAD
121719-40A	16"x16" Light Brown Vinyl FT (over Gray 9x9 FT)	Ground Floor: Cafeteria	NAD
121719-40B	16"x16" Light Brown Vinyl FT (over Gray 9x9 FT)	Ground Floor: Cafeteria	NAD
121719-41A	Black Mastic to 12"x12" Off-White FT w/ Gray Swirl	Basement: Main Area - Column B3	Trace < 0.25%
121719-41B	Black Mastic to 12"x12" Off-White FT w/ Gray Swirl	Basement: Main Area - Column E1	Trace < 0.25%
121719-42A	Yellow Mastic to 12"x12" Off-White FT w/ Gray Swirl	Basement: OGS Plant Utilities (Engineer's Office)	NAD
121719-42B	Yellow Mastic to 12"x12" Off-White FT w/ Gray Swirl	Basement: OGS Plant Utilities (Engineer's Office)	NAD
121719-43A	12"x12" Off-White FT w/ Gray Swirl	Basement: Main Area - Column B3	2.2% Chrysotile
121719-43B	12"x12" Off-White FT w/ Gray Swirl	Basement: OGS Plant Utilities (Engineer's Office)	NA/PS
121719-44A	Black Mastic to 12x12" Green Marbled FT	Ground Floor: South Exit Vestibule (Cafeteria)	NAD
121719-44B	Black Mastic to 12x12" Green Marbled FT	Ground Floor: South Exit Vestibule (Cafeteria)	NAD
121719-45A	12x12" Green Marbled FT	Ground Floor: South Exit Vestibule (Cafeteria)	NAD
121719-45B	12x12" Green Marbled FT	Ground Floor: South Exit Vestibule (Cafeteria)	NAD

### Building 8 - Basement through 9th Floor and Building 8A $\,$

	Albarry, Net	1011112200	
121719-46A	Yellow/Brown Mastic to 12"x12" Cream FT	Ground Floor: Main Area	NAD
121719-46B	Yellow/Brown Mastic to 12"x12" Cream FT	Ground Floor: Main Area	NAD
121719-47A	12"x12" Cream FT	Ground Floor: Main Area	NAD
121719-47B	12"x12" Cream FT	Ground Floor: Main Area	NAD
121719-48A	12"x12" Brown Marbled FT	Basement: OGS Plumbers Room	NAD
121719-48B	12"x12" Brown Marbled FT	Basement" Hallway off OGS Plumbers Room	NAD
121719-49A	Yellow Carpet Mastic under Gray Carpet	Ground Floor: South Exit Vestibule (Cafeteria)	NAD
121719-49B	Yellow Carpet Mastic under Gray Carpet	Ground Floor: South Exit Vestibule (Cafeteria)	NAD
121719-50A	Brown Mastic to 4" Black Covebase	Basement: Lobby	NAD
121719-50B	Brown Mastic to 4" Black Covebase	Basement: Lobby	NAD
121719-51A	Yellow Mastic to 4" Black Covebase	Basement: OGS Custodial Staff	NAD
121719-51B	Yellow Mastic to 4" Black Covebase	Basement: OGS Custodial Staff	NAD
121719-52A	4" Black Covebase	Basement: South Lobby	NAD
121719-52B	4" Black Covebase	Basement: OGS Custodial Staff	NAD
121719-53A	Yellow Mastic to 6" Black Covebase	Ground Floor: Cafeteria	NAD
121719-53B	Yellow Mastic to 6" Black Covebase	Ground Floor: Cafeteria	NAD
121719-54A	6" Black Covebase	Ground Floor: Cafeteria	NAD
121719-54B	6" Black Covebase	Ground Floor: Cafeteria	NAD
121719-55A	Gray Duct Sealant	Basement: MER - North	6.5% Chrysotile
121719-55B	Gray Duct Sealant	Basement: MER - North	NA/PS
121719-56A	White Caulk around Duct Wall Penetration	Basement: MER - North (North Wall)	NAD
121719-56B	White Caulk around Duct Wall Penetration	Basement: MER - North (North Wall)	NAD
121719-57A	Black Expansion Joint Caulk	Basement: MER - North	NAD
121719-57B	Black Expansion Joint Caulk	Basement: MER - North	NAD
121719-58A	Red Fire-Stop Sealant	Basement: MER - North (North Wall)	NAD
121719-58B	Red Fire-Stop Sealant	Basement: MER - North (North Wall)	NAD
121719-59A	Gray Window Glazing Compound	Ground Floor: Room 80 adjacent to Cafeteria	NAD
121719-59B	Gray Window Glazing Compound	Ground Floor: Room 80 adjacent to Cafeteria	NAD
121719-60A	Gray Window Glazing Compound	Ground Floor - Main Area (North Side)	Trace < 0.25%
121719-60B	Gray Window Glazing Compound	Ground Floor - Main Area (North Side)	Trace < 0.25%
121719-61A	Gray Pipe Coating	Basement: MER - North	NAD
121719-61B	Gray Pipe Coating	Basement: MER - North	NAD
121719-62A	Glue Dabs on Concrete Wall (Old Sign)	Basement: South Lobby	NAD
121719-62B	Glue Dabs on Concrete Wall (Old Sign)	Basement: South Lobby	NAD
121719-63	Floor Debris	Basement: MER South (SW Wall by Air Handler)	NAD
121719-64A	Gray Caulk under Window (Window Perimeter)	Exterior: West Side of Building	NAD
121719-64B	Gray Caulk under Window (Window Perimeter)	Exterior: East Side of Building	NAD
121719-65A	Black Window Glazing Compound	Exterior: East Side of Building	6.2% Chrysotile

### Building 8 - Basement through 9th Floor and Building 8A Harriman State Campus Albany, New York 12203

121719-65B	Black Window Glazing Compound	Exterior: West Side of Building	NA/PS
121719-66A	Gray Window Glazing Compound	Exterior: East Side of Building	4.9% Chrysotile
121719-66B	Gray Window Glazing Compound	Exterior: West Side of Building	NA/PS
121719-67A	Gray Seam Caulk to Cementitious Panels	Exterior: Loading Dock (Soffit)	Trace < 0.25%
121719-67B	Gray Seam Caulk to Cementitious Panels	Exterior: Loading Dock (Soffit)	Trace < 0.25%
121719-68A	Cementitious Panels	Exterior: Loading Dock (Soffit)	21.1% Chrysotile
121719-68B	Cementitious Panels	Exterior: Loading Dock (Soffit)	NA/PS

Notes:

NAD = No Asbestos Detected NA/PS = Not Analyzed/Positive Stop



# **APPENDIX A-2**

Room x Room Table

# TABLE A-2 ROOM BY ROOM INVENTORY

Building 8 - Basement through 7th Floor and Building 8A

Harriman State Campus

ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
				BUIL	DING 8				
BASEMENT		0.50/.01	1	50.000	1				
	Spray-on Fireproofing Debris in Concrete Floor Slab Paper/Foil over Foam Glass Pipe Insulation	3.5% Chrysotile NAD		58,900					
	Paper/Foil over Fiberglass Pipe Insulation	NAD							
	Gray Job-Molded Plaster Pipe Fitting Insulation	18.2% Chrysotile						175 fittings	
	Tan Job-Molded Plaster Pipe Fitting Insulation	14.8% Chrysotile						20 fittings	
Storage Spaces (Room A-G), E-	Dro Moldad Diaster Dina Insulation	3.2% Chrysotile 9.7% Amosite						415 lf	
46 Storage	Fire Door Core	NAD							
,	Cloth Wrap, Paper/Mastic and Yellow/Black Sealant over Fiberglass Duct Insulation	NAD							
	CMU Mortar	NAD							
	Red Fire Stop Sealant	NAD							
	Plaster Walls	NAD							
	Black Bituminous W+B550all Coating	NAD							
	Gypsum Board/Joint Compound Walls	NAD							
Network Core Room	4" Covebase and mastic	NAD							
	Maroon Stair Tread	NAD							
Telecom Switch Rooms	4" Covebase and mastic	NAD							
Telecom Switch Rooms	2' x 4' Mineral Fiberboard Ceiling Tiles	NAD							
	Black Mastic to 12" x 12" Beige Floor Tile	NAD							
Office (A 37)	12" x 12" Beige Floor Tile	7.2% Chrysotile	550						
Office (A 37)	2' x 4' Mineral Fiberboard Ceiling Tiles	NAD							
	Gypsum Board/Joint Compound Walls	NAD							
Generator Room (E 76)	Door Frame Caulk	NAD							
Concrator Noom (2 70)	White Plaster Pipe Fitting Insualtion	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Women's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Men's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
Main Steam Room	Black Sealant on Pipes	5.6% Chrysotile						45 lf	
	Black Bituminous Sealant between Concrete Forms	NAD							
GROUND FLOOR			1	50.000					
	Spray-on Fireproofing Debris in Concrete Floor Slab			58,900	100.01				
	Spray-On Fireproofing on Structural Columns				100 Chases				
	Spray-on Fireproofing on Metal Deck & Structural Beams Throughout Ground Floor	3.5% Chrysotile		58,900					
	Spray-On Fireproofing Debris Throughout the Ceiling Space (HVAC Ductwork)						42,000 (6,100 lf)		
	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)
Entire Ground Floor	All Concrete Block and Plaster Wall Cavities Contaminated with Sprayon Fireproofing	3.5% Chrysotile			11,700				
	Plumbing Chases Contaminated with Spray-On Fireproofing Overspray	2.8% - 3.5% Chrysotile			8 Chases (J4, J7, H2, H9, C2, C9, B4, B7)				
	Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							944 sf (Entire Perimeter of Floor along Window Walls)
	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						45 fittings	
	Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Ceiling Space Above	2.1% Chrysotile							1,130 If (Vertical duct shafts = 80 If, HVAC ductwork throughout ceiling space = 1,050 If)

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# TABLE A-2 ROOM BY ROOM INVENTORY

ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	9" x 9" Floor Tile (Multiple Colors) Beneath Stick-down Carpet Tiles	NA/PS	1,800						
Offices 16, 45, 60, 65, 66, 70 (Tax	Modular Gypsum Panels	NAD							
Analytics), 73, 75A, 77, Storage,	Wall Plaster	NAD							
Building Manager. Conference	1' x 1' Spline Ceiling Tiles	NAD							
Rooms 50 and 54	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Window Glazing Compound  Mastic to 9" x 9" Floor Tiles	Trace < 0.25%							
	Olive 9" x 9" Floor Tile	2.3% Chrysotile NA/PS	1,460						
	Gypsum Board/Joint Compound Walls	NAD							
	Modular Gypsum Panels	NAD							
	Mesh Wall Paper with Yellow Adhesive	NAD							
	Red Flex Duct Sealant at Induction Vents	Trace <1.0%							
	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
Nurses Station	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	4" Yellow Ceramic Wall Tile with Grout and Thinset	NAD							
	1" Light Brown Ceramic Wall Tile with Grout and Thinset	NAD							
	Window Glazing Compound	Trace < 0.25%							
_	Yellow Mastic to Blue Marbled 12" x 12" Floor Tile	NAD							
Internal Affairs (Room 75)	Blue Marbled 12" x 12" Floor Tile	NAD							
	Cloth Wrapped Fiberglass Duct Insulation with Paper/Mastic and Yellow/Black Sealant	NAD							
	Yellow Sealant over Fiberglass Panels Inside Air Handler	NAD							
	Terrazzo Flooring	NAD							
	Wall Plaster	NAD							
Main Corridor, Security and News	1' x 1' Spline Ceiling Tiles	NAD							
Stand	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
-	4" Cove Base and Mastic Wall Corner Guard and Mastic	NAD NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
-	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Women's Toilet/Rest Room	Wall Plaster	NAD							
	Wall Plaster  Ceiling Plaster	NAD NAD							
	Mastic to 9" x 9" Floor Tiles								
	Tan 9" x 9" Floor Tile	2.3% Chrysotile NA/PS	160						
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Men's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Paper/Foil and Cloth Wrap over Fiberglass Pipe Insulation	NAD							
Bathroom Chase Between	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						10 fittings	
Women's and Men's Bathrooms	Black Pipe End Cap Sealant	2.2% Chrysotile						2 lf	
Training and World Butting Offis	Spray-On Fireproofing Debris on Concrete Floor	3.5% Chrsotile			One Shared Chase (60 sf)			211	
	Spray-Off freproofing Debris off Conditiete Floor	3.370 GHI 30 HIC			One shared chase (00 st)			l	

#### ROOM BY ROOM INVENTORY

		1		Harriman S	tate Campus			•	
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Janitor's Closet	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				25			
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
Electrical Closets 8GA, 8GB, 8GC,	Floor Bulk Dust/Debris	2.5% - 4.3% Chrysotile	220						
8GD	Bulk Dust/Debris on Interior Electrical Panel Boxes	4.0% - 5.0% Chrysotile						60 sf	
FIRST FLOOR	Bulk Dust/Debits of Title for Electrical Parier Boxes	4.0% - 5.0% CHTySOTHE						00.21	
FIRST FLOOR	Spray-on Fireproofing Debris in Concrete Floor Slab			58,900				1	
				30,700	400.01				
	Spray-On Fireproofing on Structural Columns				100 Chases				
	Spray-on Fireproofing on Metal Deck & Structural Beams Throughout 1st Floor	3.5% Chrysotile		58,900					
	Spray-On Fireproofing Debris Throughout the Ceiling Space (HVAC Ductwork)						42,000 (6,100 lf)		
		1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)
Entire First Floor	All Concrete Block and Plaster Wall Cavities Contaminated with Spray- on Fireproofing	3.5% Chrysotile			11,700				
	Plumbing Chases Contaminated with Spray-On Fireproofing Overspray	2.8% - 3.5% Chrysotile			8 Chases (J4, J7, H2, H9, C2, C9, B4, B7)				
	Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							944 sf (Entire Perimeter of Floor along Window Walls)
	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						130 fittings	
	Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Ceiling Space Above	2.1% Chrysotile							1,130 lf (Vertical duct shafts = 80 lf, HVAC ductwork throughout ceiling space = 1,050 lf)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	Tan 9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	1,800						
	Modular Gypsum Panels	NAD							
Offices 173A/B, 175 A/B/C,	Wall Plaster	NAD							
Offices 173A/B, 173 A/B/C,	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Window Glazing Compound	Trace <0.25%							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	31,400						
	Tan 9" x 9" Floor Tile Beneath Elevated Floor  Gypsum Board/Joint Compound Walls	NA/PS NAD							
	Modular Gypsum Panels	NAD							
	Red Flex Duct Sealant at Induction Vents	Trace <1.0%							
Computer Room I-III, ITS Office,	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Yellow Adhesive under Elevated Floor Stands	NAD							
	Black Adhesive under Elevated Floor Stands	NAD							<del> </del>
	Window Glazing Compound	Trace < 0.25%						1	

#### ROOM BY ROOM INVENTORY

				Harriman S	tate Campus				
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	Plaster Insulation on Air Handler	3.3% Chrysotile 10.0% Amosite						350 sf	
Air Conditioner	Cloth Wrapped Fiberglass Duct Insulation with Paper/Mastic and Yellow/Black Sealant	NAD							
	Yellow Sealant over Fiberglass Panels Inside Air Handler	NAD							
	Job-Molded Plaster Pipe Fitting Insulation	18.2% Chrysotile						80 fittings	
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	9" x 9" Floor Tiles (Multiple Colors)	NA/PS	3,000						
	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
Main Corridor	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	Trace <1.0%							
	4" Cove Base and Mastic	NAD							
	Wall Corner Guard and Mastic	NAD							
	Terrazzo Flooring	NAD							
	Black Mastic to Blue 12" x 12" Floor Tile	NAD							
Security, Front Lobby, Elevator	Blue 12" x 12" Floor Tile	NAD							
Lobby and News Stand	Plaster Walls	NAD							
Looply and Nows stand	4" Covebase and Mastic	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD						+	
Women's Toilet/Rest Room	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Trainerra renegritost neem	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	1/0						
	Olive 9" x 9" Floor Tile	NA/PS	160						
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Men's Toilet	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
I I I I I I I I I I I I I I I I I I I	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Paper/Foil over Fiberglass Pipe Insulation	NAD							
Bathroom Chase Between	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						10 fittings	
Women's and Men's Bathrooms	Black Pipe End Cap Sealant	2.2% Chrysotile						2 lf	
	Spray-On Fireproofing Debris on Concrete Floor	3.5% Chrsotile			One Shared Chase (60 sf)				
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Janitor's Closet	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				25			
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
Electrical Closets 81A, 81B, 81C,	Floor Bulk Dust/Debris	2.5% - 4.3% Chrysotile	220						
81D	Bulk Dust/Debris on Interior Electrical Panel Boxes	4.0% - 5.0% Chrysotile							60 sf

# TABLE A-2 ROOM BY ROOM INVENTORY

ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
SECOND FLOOR		T				T		T	
	Spray-on Fireproofing Debris in Concrete Floor Slab	-		58,900	100 Chassa				
	Spray-On Fireproofing on Structural Columns	-			100 Chases				
	Spray-on Fireproofing on Metal Deck & Structural Beams 2nd Floor	3.5% Chrysotile		77,980					
	Spray-On Fireproofing Debris Throughout the Ceiling Space (HVAC Ductwork)						55,700 sf (7,600 lf)		
	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)
Entire Second Floor	All Concrete Block and Plaster Wall Cavities Contaminated with Spray on Fireproofing	3.5% Chrysotile			11,700 sf				
	Plumbing Chases Contaminated with Spray-On Fireproofing Overspray	2.8% - 3.5% Chrysotile			8 Chases (J4, J7, H2, H9, C2, C9, B4, B7)				
	Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							944 sf (Entire Perimeter of Floor along Window Walls)
	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						45 fittings	
	Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Ceiling Space Above	2.1% Chrysotile							1,130 If (Vertical duct shafts = 80 If, HVAC ductwork throughout ceiling space = 1,050 If)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	Tan 9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	45,000						
	Modular Gypsum Panels	NAD							
North, East, South, and West	Wall Plaster	NAD							
Cubicle Areas	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Window Glazing Compound	Trace < 0.25%							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	4,000						
	9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	.,						
Offices 225, 226, 231, 238, 239,	Modular Gypsum Panels	NAD							
243, 244, 245, 251, 254, 255,	Gypsum Board/Joint Compound Walls	NAD							
255A, 256, 257, 257A Room 31	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation  4" Cove Base and Mastic	NAD NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile			+				
	9" x 9" Floor Tiles (Multiple Colors)	NA/PS	3,000						
	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
Main Corridor	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Gray Duct Sealant								
	Wall Corner Guard and Mastic	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
Women's Toilet/Rest Room	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Women's Tolled/Nest Noon	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Mastic to Olive 9" x 9" Floor Tiles	2.3% Chrysotile	140						
	Olive 9" x 9" Floor Tile	NA/PS	160						

#### ROOM BY ROOM INVENTORY

Building 8 - Basement through 7th Floor and Building 8A

MONE   STATEST MATERIALS   SAMEWOOD   CRILING SO   CRIL					Harriman S	state Campus				
Part   Table     Part		SUSPECT MATERIALS	CONTENT	FLOORING (SF)	CEILING (SF)			CEILING DEBRIS (SF)		
Project Content   Project   Projec		2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Productions Defined   Fig.	Marsia Tailat	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Page	ivien's rollet	1" White Ceramic Wall Tile w/Grout, Thinset	NAD							
Figure Follow Reference Free Institution		Wall Plaster	NAD							
Mark Subsect   Mark										
State   Stat										
Surge On Finger-United Biological Patrick and Execute Place (2012)   Surge On Finger-United Biological Plant (2012)   Surge On Finger-Plant (2012)   Surg										
2   Transport White Central Title will can lart Times   1903   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905   1905	Women's and Men's Bathrooms								2 lf	
First   Mark   County   Mark						One Shared Chase (60 sf)				
Spring On Trapscorting Descrit Assumed Servatic Events Excellent Floor   1856 Chrystotile   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860   1860										
Mail Tester		1" White Ceramic Wall Tile W/Grout, Thinset	NAD			_				
Collis Clouds 83A 80R 80   Collis pleaser   SAS Schopenits   25% Schopenits   250   SAS Chopenits   25% Schopenits   25% Sc	Janitor's Closet						25			
Exercise   Country   24, 258, 257, 257, 257, 257, 257, 257, 257, 257										
Entire Third Floor  Entire Third Floor  Entire Third Floor  Entire Third Floor  Floor Published Floor Published Floor State of Percenting Percenting Desires in Concrete Floor State Systems of Floor State Sy										
Entire Third Floor	Electrical Closets 82A, 82B, 82C,	Floor Bulk Dust/Debris	2.5% - 4.3% Chrysotile	220						
Stray-on Fireprodring Dehrs in Concrete Floor Sub   Seyon (in Fireprodring on Stratutural Items 3rd Floor   Seray-On Fireprodring on Metal Deak & Structural Items 3rd Floor   Seray-On Fireprodring on Metal Deak & Structural Items 3rd Floor   Seray-On Fireprodring Dehrs Throughout the Colling Space (INVAC   Death of	82D	Bulk Dust/Debris on Interior of Electrical Panel Boxes	4.0% - 5.0% Chrysotile							60 sf
Spray-on Fireproofing on Metal Deck & Structural Beams and Floor Spray-On Fireproofing Debris Throughout the Ceiling Space (MAC Ductority)  Underfloor Recovery Contamination  1.5% - 6.0% Chrysotile  All Concrete Block and Pilestor Woll Cavillac Contaminated with Spray on Fireproofing Plumbing Chases Contaminated with Spray on Fireproofing Plumbing Chases Contaminated with Spray on Fireproofing Oversigns  Household International Spray on Fireproofing Oversigns  Induction fund Endosures Debris Induction fun	THIRD FLOOR									
Spray-on Firegroufing on Metal Deck & Structural Beams and Floor Spray-On Firegroufing Dubris Throughout the Ceiling Space (HVAC  Underfloor Recovery Contamination 15% - 60% Chrysotile  Underfloor Recovery Contamination 15% - 60% Chrysotile  Underfloor Recovery Contamination 15% - 60% Chrysotile  All Concrete Black and Plaster Wall Cavrities Contaminated with Spray On Firegroufing Plumbing Chaese Contaminated with Spray On Firegroufing Plumbing Chaese Contaminated with Spray On Firegroufing Plumbing Chaese Contaminated with Spray Induction Unit Enclosures Debris Induction Unit Enclosures					58,900					
Spray On Fireproofing Debris Throughout the Celling Space (IPVAD Ductwork)		Spray-On Fireproofing on Structural Columns				100 Chases				
Entire Third Floor  All Concrete Blinck and Plaster Wall Cavilies Contaminated with Spray on Fireproofing Overspray  Industrial Dust Plumbing Chasses Contaminated with Spray on Fireproofing Overspray  Industrial Dust Spray on Fireproofing Overspray on Fireproofing Overspray on Fireproofing Overspray  Industrial Dust Spray on Fireproofing Overspray on Fireproofi		Spray-on Fireproofing on Metal Deck & Structural Beams 3rd Floor	3.5% Chrysotile		77,980					
Entire Third Floor  All Concrete Block and Plaster Wall Cavities Contaminated with Spray on Fireproofing Plumbing Chases Contaminated with Spray on Fireproofing Oversproy on								55,700 sf (7,600 lf)		
Plumbing Chases Contaminated with Spray-On Fireproofing Overspray   2.8% - 3.5% Chrysotile   8 Chases (4, 17, 142, 149, C2, C9, B4, B7)   944 sf (Entire Perimeter of Floor along Window Walls)   1.8% - 7.7% Chrysotile   1.7% Chrysotile		Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							
Overspray   268-3-3-0 tripsofte   B4, B7	Entire Third Floor		3.5% Chrysotile							
Modular Gysum Panels   MAD   Modular Gysum Panels   Made Gysu			2.8% - 3.5% Chrysotile							
Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Celling Space Above   2.1% Chrysotile   2.1% Chrysotile   1,130 If (Vertical duct shafts = 80 If, HVAC ductwork throughout celling space = 1,050 If)		Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							
Sealant in Vertical Duct Sealant over Fiberglass Duct Insulation NAD		Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						45 fittings	
North, East, South, and West Cubicle Areas  North, East, South, and West Wall Plaster  NAD  NAD  NAD  Yellow Duct Sealant over Fiberglass Duct Insulation  Red Duct Sealant over Fiberglass Duct Insulation  NAD  NAD  NAD  NAD  NAD  NAD  NAD  NA			2.1% Chrysotile							ductwork throughout ceiling space = 1,050
North, East, South, and West Cubicle Areas  North, East, South, and West Wall Plaster  NAD  NAD  NAD  NAD  Yellow Duct Sealant over Fiberglass Duct Insulation  Red Duct Sealant over Fiberglass Duct Insulation  NAD  NAD  NAD  NAD  NAD  NAD  NAD  NA		Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
North, East, South, and West Cubicle Areas    National Plaster		Tan 9" x 9" Floor Tile Beneath Stick-down Carpet Tiles		42,200						
Cubicle Areas  1' x 1' Spline Ceiling Tiles NAD Yellow Duct Sealant over Fiberglass Duct Insulation NAD Red Duct Sealant over Fiberglass Duct Insulation NAD 4" Cove Base and Mastic NAD										
Cubicle Areas  1' x 1' Spline Ceiling Tiles NAD NAD Yellow Duct Sealant over Fiberglass Duct Insulation NAD Red Duct Sealant over Fiberglass Duct Insulation NAD 4" Cove Base and Mastic NAD	North, East, South, and West					_				
Yellow Duct Sealant over Fiberglass Duct Insulation     NAD     NAD       Red Duct Sealant over Fiberglass Duct Insulation     NAD     NAD       4" Cove Base and Mastic     NAD     NAD		1' x 1' Spline Ceiling Tiles	NAD			_				
4" Cove Base and Mastic NAD		Yellow Duct Sealant over Fiberglass Duct Insulation	NAD			_				
		Red Duct Sealant over Fiberglass Duct Insulation								
Window Glazing Compound Trace < 0.25%										
		Window Glazing Compound	Trace < 0.25%							

#### ROOM BY ROOM INVENTORY

		T		Harriman S	tate Campus	T T			
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	6,800						
	9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS							
Offices 310, 320, 331A/B, , 331A,	Modular Gypsum Panel Walls	NAD							
338-341, 342 (Canteen), 344, 346-	Gypsum Board/Joint Compound Walls	NAD							
348, 350-352, 354, 356, 358,	Wall Plaster	NAD							
Confererence Rm 123, Kitchenette	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	3,000						
	9" x 9" Floor Tiles (Multiple Colors)	NA/PS	3,000						
	Wall Plaster	NAD							
Main Corridor	1' x 1' Spline Ceiling Tiles	NAD							
Main Comidoi	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Wall Corner Guard and Mastic	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Women's Toilet/Rest Room	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	160						
	Olive 9" x 9" Floor Tile	NA/PS	100						
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Janitor's Closet	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Paper/Foil over Fiberglass Pipe Insulation	NAD							
Bathroom Chase Between	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						10 fittings	
Women's and Men's Bathrooms	Black Pipe End Cap Sealant	2.2% Chrysotile						2 lf	
	Spray-On Fireproofing Debris on Concrete Floor	3.5% Chrsotile			One Shared Chase (60 sf)				
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Janitor's Closet	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				25			
Janitor 3 Cluset	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
Electrical Closets 83A, 83B, 83C,	Floor Bulk Dust/Debris	2.5% - 4.3% Chrysotile	220						
83D	Bulk Dust/Debris on Interior Electrical Panel Boxes	4.0% - 5.0% Chrysotile							60 sf
			,		•			•	

#### ROOM BY ROOM INVENTORY

ROOM		ASBESTOS			CONTAMINATED WALLS /	CONTAMINATED FLOOR		THERMAL SYSTEM	MISCELLANEOUS MATERIALS
NUMBER	SUSPECT MATERIALS	CONTENT (%)	FLOORING (SF)	CEILING (SF)	CHASES (SF)	(SF)	CEILING DEBRIS (SF)	INSULATION (LF/EA)	QUANTITIES (SF/LF/EA)
FOURTH FLOOR		` ,							
	Spray-on Fireproofing Debris in Concrete Floor Slab			58,900					
	Spray-On Fireproofing on Structural Columns	_			100 Chases				
	Spray-on Fireproofing on Metal Deck & Structural Beams 4th Floor	3.5% Chrysotile		77,980					
	Spray-On Fireproofing Debris Throughout the Ceiling Space (HVAC Ductwork)						55,700 sf (7,600 lf)		
	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)
Entire Fourth Floor	All Concrete Block and Plaster Wall Cavities Contaminated with Spray- on Fireproofing	3.5% Chrysotile			11,700				
	Plumbing Chases Contaminated with Spray-On Fireproofing Overspray	2.8% - 3.5% Chrysotile			8 Chases (J4, J7, H2, H9, C2, C9, B4, B7)				
	Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							944 sf (Entire Perimeter of Floor along Window Walls)
	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						45 fittings	
	Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Ceiling Space Above	2.1% Chrysotile							1,130 If (Vertical duct shafts = 80 If, HVAC ductwork throughout ceiling space = 1,050 If)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	Tan 9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	38,600						
	Modular Gypsum Panels	NAD							
North, East, South, and West Cubicle Areas	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Window Glazing Compound	Trace < 0.25%							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	10,100						
Office/Conference Room 438, 441,	Yellow/Brown Mastic to 12" x 12" Light Green Marbled Floor Tile	NAD							
444, 445, 447-451, 453-459,	12" x 12" Light Green Marbled Floor Tile	NAD							
Director (227), Deputy	Gypsum Board/Joint Compound Walls	NAD							
Commissioner, Field Operations,	Modular Cuncum Danala	NAD							
File Room, Operations & Analytics,	Wall Plaster	NAD							
Operations, Special Collections,	1' x 1' Spline Ceiling Tiles	NAD							
State Comptroller. Kitchenette	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
(440)	Red Duct Sealant over Fiberglass Duct Insulation	Trace <1.0%							
	4" Cove Base and Mastic	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	9" x 9" Floor Tiles (Multiple Colors)	NA/PS	3,000						
	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
Main Corridor	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Wall Corner Guard and Mastic	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
		NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive					E 47			
Momonis Toilet/Dest Des-	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Women's Toilet/Rest Room	Wall Plaster	NAD			<u> </u>				
	Ceiling Plaster	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	160						
	Olive 9" x 9" Floor Tile	NA/PS							

#### ROOM BY ROOM INVENTORY

Building 8 - Basement through 7th Floor and Building 8A

				Harriman S	tate Campus				
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Men's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD				540			
ivien's rollet	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Black Mastic to 12" x 12" Off-White Marbled Floor Tile								
	12" x 12" Off-White Marbled Floor Tile	1.5% Chrysotile NA/PS	20						
Mens Toilet Vestibule	4" Cove Base and Mastic	NAD							
Wens foliet vestibule	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
_	Paper/Foil and Cloth Wrap over Fiberglass Pipe Insulation	NAD							
Bathroom Chase Between	Job-Molded Plaster Pipe Fitting Insulation							10 fittings	
Women's and Men's Bathrooms	Black Pipe End Cap Sealant	2.5% Chrysotile 2.2% Chrysotile						2 If	
Women's and Wen's Datin Coms	Spray-On Fireproofing Debris on Concrete Floor	3.5% Chrsotile			One Shared Chase (60 sf)			2 11	
_	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD			Offe Stiated Chase (60 st)				
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				25			
Janitor's Closet	Wall Plaster	NAD				25			
		NAD							
Floatrical Classic OAA OAD OAC	Ceiling Plaster		220						
Electrical Closets 84A, 84B, 84C, 84D	Floor Bulk Dust/Debris	2.5% - 4.3% Chrysotile	220						(0 of
FIFTH FLOOR	Bulk Dust/Debris on Interior Electrical Panel Boxes	4.0% - 5.0% Chrysotile							60 sf
FIFTH FLOOR	Consulta Financia fina Dalada in Consulta Finan Ciale			F0.000				T	
	Spray-on Fireproofing Debris in Concrete Floor Slab			58,900	100 Chases				
	Spray-On Fireproofing on Structural Columns				100 Chases				
	Spray-on Fireproofing on Metal Deck & Structural Beams Throughout 5th Floor	3.5% Chrysotile		77,980					
	Spray-On Fireproofing Debris Throughout the Ceiling Space (HVAC Ductwork)						55,700 sf (7,600 lf)		
	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)
Entire Fifth Floor	All Concrete Block and Plaster Wall Cavities Contaminated with Spray- on Fireproofing	3.5% Chrysotile			11,700				
	Plumbing Chases Contaminated with Spray-On Fireproofing Overspray	2.8% - 3.5% Chrysotile			8 Chases (J4, J7, H2, H9, C2, C9, B4, B7)				
	Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							944 sf (Entire Perimeter of Floor along Window Walls)
	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						45 fittings	
	Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Ceiling Space Above	2.1% Chrysotile							1,130 If (Vertical duct shafts = 80 If, HVAC ductwork throughout ceiling space = 1,050 If)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	Tan 9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	39,900						
	Modular Gypsum Panels	NAD							
North Fact South and West	Wall Plaster	NAD							
North, East, South, and West Cubicle Areas	1' x 1' Spline Ceiling Tiles	NAD							
Cubicle Al eas	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							+
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							+
	4" Cove Base and Mastic	NAD							
	Window Glazing Compound	Trace < 0.25%							+
	vviriuow Giazing Compound	11ate <0.23%							

#### ROOM BY ROOM INVENTORY

				Harriman S	tate Campus				
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	0.400						
	9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	9,100						
	Gypsum Board/Joint Compound Walls	NAD							
Offices and Conference Rooms:	Modular Gypsum Panels	NAD							
500, 542, 543, 545, 553-554, 557,	Wall Plaster	NAD							
557A/B, 560	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	3,000						
	9" x 9" Floor Tiles (Multiple Colors)	NA/PS	3,000						
	Wall Plaster	NAD							
Main Corridor	1' x 1' Spline Ceiling Tiles	NAD							
Walli Corridoi	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Wall Corner Guard and Mastic	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Women's Toilet/Rest Room	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	160						
	Olive 9" x 9" Floor Tile	NA/PS	100						
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Men's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Paper/Foil and Cloth Wrap over Fiberglass Pipe Insulation	NAD							
Bathroom Chase Between Women's and Men's Bathrooms	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile					<u> </u>	10 fittings	
	Black Pipe End Cap Sealant	2.2% Chrysotile						2 lf	
	Spray-On Fireproofing Debris on Concrete Floor	3.5% Chrsotile			One Shared Chase (60 sf)				

#### ROOM BY ROOM INVENTORY

				Harriman S	itate Camnus				
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				25			
Janitor's Closet	Wall Plaster	NAD							
		NAD							
Electrical Closets 85A, 85B, 85C,	Ceiling Plaster Floor Bulk Dust/Debris		220						
85D	Bulk Dust/Debris on Interior Electrical Panel Boxes	2.5% - 4.3% Chrysotile 4.0% - 5.0% Chrysotile	220						60 sf
SIXTH FLOOR	Bulk Dust/ Debits of Hitleflor Electrical Fairer Boxes	4.0% - 5.0% CITI ysottle							00.21
SIXTITIEGOK	Spray-on Fireproofing Debris in Concrete Floor Slab			58,900					
	Spray-On Fireproofing on Structural Columns			30,700	100 Chases				
	Spray-on Fireproofing on Metal Deck & Structural Beams Throughout	0.50/.01			Too shases				
	6th Floor	3.5% Chrysotile		77,980					
	Spray-On Fireproofing Debris Throughout the Ceiling Space (HVAC Ductwork)						55,700 sf (7,600 lf)		
	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)
Entire Sixth Floor	All Concrete Block and Plaster Wall Cavities Contaminated with Spray- on Fireproofing	3.5% Chrysotile			11,700				
	Plumbing Chases Contaminated with Spray-On Fireproofing Overspray	2.8% - 3.5% Chrysotile			8 Chases (J4, J7, H2, H9, C2, C9, B4, B7)				
	Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							944 sf (Entire Perimeter of Floor along Window Walls)
	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						45 fittings	
	Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Ceiling Space Above	2.1% Chrysotile							1,130 lf (Vertical duct shafts = 80 lf, HVAC ductwork throughout ceiling space = 1,050 lf)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	Tan 9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	47,250						
	Modular Gypsum Panels	NAD							
North, East, South, and West	Wall Plaster	NAD							
Cubicle Areas	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	Trace <1.0%							
	4" Cove Base and Mastic	NAD							
	Window Glazing Compound	Trace < 0.25%							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	1,750						
	9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS							
Office and Conference Decree	Gypsum Board/Joint Compound Walls  Modular Gypsum Panels	NAD NAD							
Office and Conference Rooms 631A, 638A, 642, 647, 658, 658A,	Wall Plaster	NAD							
Assistant Director, Director	1' x 1' Spline Ceiling Tiles	NAD							
Assistant birector, birector	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	9" x 9" Floor Tiles (Multiple Colors)	NA/PS	3,000						
	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
Main Corridor	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Wall Corner Guard and Mastic	NAD							
	ANAIL COLLICT ORGIN GLIN INIGERIC	INAU						1	

#### ROOM BY ROOM INVENTORY

<u> </u>				Harriman St	ate Campus			1	
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Women's Toilet/Rest Room	Wall Plaster	NAD				0.10			
Women's relieuritest neem	Ceiling Plaster	NAD							
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	Olive 9" x 9" Floor Tile	NA/PS	160						
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546			
Men's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD				340			
iviens rollet	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
		NAD							
Dethers on Chara Details	Paper/Foil and Cloth Wrap over Fiberglass Pipe Insulation							10	
Bathroom Chase Between	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						10	
Women's and Men's Bathrooms	Black Pipe End Cap Sealant	2.2% Chrysotile			0 0 10 (0 0			2 lf	
	Spray-On Fireproofing Debris on Concrete Floor	3.5% Chrsotile			One Shared Chase (60 sf)				
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Janitor's Closet	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				25			
	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
Electrical Closets 86A, 86B, 86C,	Floor Bulk Dust/Debris	2.5% - 4.3% Chrysotile	220						
86D	Bulk Dust/Debris on Interior Electrical Panel Boxes	4.0% - 5.0% Chrysotile							60 sf
SEVENTH FLOOR									
	Spray-on Fireproofing Debris in Concrete Floor Slab			58,900					
	Spray-On Fireproofing on Structural Columns				100 Chases				
	Spray-on Fireproofing on Metal Deck & Structural Beams Throughout 7th Floor	3.5% Chrysotile		77,980					
	Spray-On Fireproofing Debris Throughout the Ceiling Space (HVAC Ductwork)						55,700 sf (7,600 lf)		
	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)
Entire Seventh Floor	All Concrete Block and Plaster Wall Cavities Contaminated with Spray- on Fireproofing	3.5% Chrysotile			11,700				
	Plumbing Chases Contaminated with Spray-On Fireproofing Overspray	2.8% - 3.5% Chrysotile			8 Chases (J4, J7, H2, H9, C2, C9, B4, B7)				
	Induction Unit Enclosures Debris	1.8% - 7.7% Chrysotile							944 sf (Entire Perimeter of Floor along Window Walls)
	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						45	
	Gray Duct Sealant in Vertical Duct Shaftsand HVAC Ductwork throughout Ceiling Space Above	2.1% Chrysotile							1,130 If (Vertical duct shafts = 80 If, HVAC ductwork throughout ceiling space = 1,050 If)
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile							
	Tan 9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	43,400						
	Modular Gypsum Panels	NAD							
N. H. E. I. G	Wall Plaster	NAD							
North, East, South, and West	1' x 1' Spline Ceiling Tiles	NAD							<del> </del>
Cubicle Areas	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	Red Flex Duct Sealant at Induction Vents	Trace <1.0%							
	Window Glazing Compound	Trace < 0.25%							

#### ROOM BY ROOM INVENTORY

Building 8 - Basement through 7th Floor and Building 8A

Harriman State Campus										
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)	
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	5,600							
	9" x 9" Floor Tile Beneath Stick-down Carpet Tiles	NA/PS	5,000							
055	Modular Gypsum Panels	NAD								
Office and Conference Rooms 700,	Gypsum Board/Joint Compound Walls	NAD								
738, 741, 744 (Café/Lounge) 745, 747, 749, 751, 753-758, Director,	Wall Plaster	NAD								
Storage	1' x 1' Spline Ceiling Tiles	NAD								
Storage	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD								
	Red Duct Sealant over Fiberglass Duct Insulation	Trace <1.0%								
	4" Cove Base and Mastic	NAD								
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	3,000							
	9" x 9" Floor Tiles (Multiple Colors)	NA/PS	3,000							
	Wall Plaster	NAD								
Main Corridor	1' x 1' Spline Ceiling Tiles	NAD								
IVIAIIT COITIQUI	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD								
	Red Duct Sealant over Fiberglass Duct Insulation	NAD								
	4" Cove Base and Mastic	NAD								
	Wall Corner Guard and Mastic	NAD								
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD								
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD								
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546				
Women's Toilet/Rest Room	Wall Plaster	NAD								
	Ceiling Plaster	NAD								
	Mastic to 9" x 9" Floor Tiles	2.3% Chrysotile	160							
	Olive 9" x 9" Floor Tile	NA/PS	100							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD								
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				546				
Mens's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD								
	Wall Plaster	NAD								
	Ceiling Plaster	NAD								
	Black Mastic to 12" x 12" Off-White Marbled Floor Tile	1.5% Chrysotile	20							
Ī	12" x 12" Off-White Marbled Floor Tile	NA/PS	∠∪							
Mens Toilet Vestibule	4" Cove Base and Mastic	NAD								
	Wall Plaster	NAD								
	Ceiling Plaster	NAD								

#### ROOM BY ROOM INVENTORY

Building 8 - Basement through 7th Floor and Building 8A

	Harriman State Campus										
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)		
	Paper/Foil and Cloth Wrap over Fiberglass Pipe Insulation	NAD									
Bathroom Chase Between	Job-Molded Plaster Pipe Fitting Insulation	2.5% Chrysotile						10 fittings			
Women's and Men's Bathrooms	Black Pipe End Cap Sealant	2.2% Chrysotile						2 lf			
Women's and Wen's Barn coms	Spray-On Fireproofing Debris on Concrete Floor	3.5% Chrsotile			One Shared Chase (60 sf)			2 11			
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD			One shared chase (60 si)						
	Spray-On Fireproofing Debris Assumed Beneath Ceramic Floor	3.5% Chrysotile				25					
Janitor's Closet	Wall Plaster	NAD				25					
	Ceiling Plaster	NAD									
Electrical Closets 87A, 87B, 87C,	Floor Bulk Dust/Debris	2.5% - 4.3% Chrysotile	220								
87D	Bulk Dust/Debris on Interior Electrical Panel Boxes	4.0% - 5.0% Chrysotile	220						60 sf		
EIGHTH FLOOR	bulk Dust/Debris of Tifferior Electrical Parier Boxes	4.0% - 5.0% CITI ySOTITE						1	00.51		
EIGHTH FLOOR	Carry on Firence of ing Debrie in Congrete Floor Cleb	1		F0.000		T			T		
	Spray-on Fireproofing Debris in Concrete Floor Slab	3.5% Chrysotile		58,900	100 05						
Entire Eighth Floor	Spray-On Fireproofing on Structural Columns				100 Chases						
Entire Eighti Friodi	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)		
NINTH FLOOR											
	Spray-on Fireproofing Debris in Concrete Floor Slab	2.50/.01		58,900							
	Spray-On Fireproofing on Structural Columns	- 3.5% Chrysotile		·	100 Chases						
Entire Ninth Floor	Underfloor Raceway Contamination	1.5% - 6.0% Chrysotile							1,050 If of Raceways (includes header ducts and branch sections)		
PENTHOUSE											
T EIVITIOUSE	Abandoned Chilled H ₂ O Insulation	NAD									
	Return Duct Work Jacketing	NAD									
PENTHOUSE	Steam Pipe Insulation	NAD									
	Supply Duct Work Insulation	NAD									
	Return Ductwork and Fans								All Return Ductwork and Fans		
BUILDING 8A	Return Ductwork and Paris	Assumed							All Return Ductwork and Fails		
BASEMENT											
BASLIVILIVI	Corres Directors in souleties	14 20/ 01						1550 ef			
	Gray Plaster Insulation	14.3% Chrysotile						1550 sf			
	Gray Pre-Molded Plaster Pipe Insulation	12.5% Amosite						65 lf			
	Gray Job-molded Plaster Pipe Fitting Insulation	6.0% Chrysotile						150			
	Gray Pre-Molded Plaster Coating over Pipe Fitting FG Insulation	NAD									
	Plaster Pipe End Cap Sealant	2.8% Chrysotile						15 lf			
	Cloth Wrap over Fiberglass Pipe Insulation	NAD									
	Paper/Foil over Fiberglass Pipe Insulation	NAD									
	Paper/Foil over Foam Glass Pipe Insulation	NAD									
Mechanical Room (MER North)	Cloth Wrap, Paper/Mastic and Yellow/Black Sealant over Fiberglass Duct Insulation	NAD									
	Paper/Foil over Black Sealant over Fiberglass Pipe Insulation	NAD									
	Green Flange Gasket	NAD									
	Gray Duct Sealant	6.5% Chrysotile							580 lf		
	White Caulk around Duct Wall Penetration	NAD									
	CMU Mortar	NAD									
	Black Expansion Joint Caulk	NAD									
	Red Fire-Stop Sealant	NAD									
	Gray Pipe Coating	NAD									
	Black Mastic to 9" x 9" Floor Tile	2.4% Chrysotile	560								
	9" x 9" Floor Tile with Black Mastic	5.3% Chrysotile	560								
OCC Custodial Ctaff	4" Covebase and Mastic	NAD									
OGS Custodial Staff	4" Covebase and Mastic Plaster Walls	NAD NAD									
OGS Custodial Staff											

#### ROOM BY ROOM INVENTORY

### Building 8 - Basement through 7th Floor and Building 8A

Harriman State Campus									
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	Black Mastic to 9" x 9" Floor Tile	2.4% Chrysotile	200						
	9" x 9" Floor Tile with Black Mastic	5.3% Chrysotile	200						
	4" Covebase and Mastic	NAD							
OGS Plant Utilities	Plaster Walls	NAD							
OGO FIGHT OTHERS	1' x 1' Spline Ceiling Tiles	NAD							
	Yellow Mastic to Gray 12" x 12" Floor Tile	NAD							
	Gray 12" x 12" Floor Tile	2.2% Chrysotile	480						
	CMU Mortar	NAD							
	Black Mastic to Off-White 12" x 12" Floor Tile	Trace < 0.25%							
	Off-White 12" x 12" Floor Tile	2.2% Chrysotile	18,225						
	Modular Gypsum Panels	NAD							
	Wall Plaster	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
	Foil/Paper over Fiberglass Duct Insulation	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
Main Office Area with Cubicles	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
Wall Office Area with cubicles	CMU Mortar	NAD							
	Gray Job-molded Plaster Pipe Fitting Insulation	6.0% Chrysotile						10 fittings	
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	Cloth Wrap over FG Pipe Insualtion	NAD							
	Paper/Foil over FG Pipe Insulation	NAD							
	Paper/Foil over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	4" Cove Base and Mastic	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Men's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
INICIT 3 TOTICE	Wall Plaster	NAD							
	Ceiling Plaster	NAD							

#### ROOM BY ROOM INVENTORY

				Harriman S	tate Camnus				
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	CMU Mortar	NAD							
Pipe Chase between Rest Room's	Cloth Wrap over Fiberglass Pipe Insulation	NAD							
	Paper/Foil over Fiberglass Pipe Insulation	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
Women's Toilet	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Wall Plaster	NAD							
Custodial Locker Rooms & Men's	Ceiling Plaster	NAD							
Womens Toilet	Brown 12" x 12" Floor Tile under Carpet over concrete	NAD							
	4" Covebase and Mastic	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
	Wall Plaster	NAD							
CSEA Conference Room	Cloth Wrap, Paper/Mastic and Yellow/Black Sealant over Fiberglass	NAD							
	Duct Insulation								
	4" Covebase and Mastic	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
Corridor	Wall Plaster	NAD							
	Brown 12" x 12" Floor Tile under Carpet over concrete	NAD							
	Paper/Foil over Fiberglass Duct Insulation	NAD							
	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
	Terrazzo Flooring	NAD							
	Plaster Walls	NAD							
Basement Lobby	1' x 1' Spline Ceiling Tiles	NAD							
	Brown Glue Dabs on Wall	NAD							
	4" Covebase and Mastic	NAD							
	Cloth Wrap over Fiberglass Pipe Insulation	NAD							
	Paper/Foil over Fiberglass Pipe Insulation	NAD							
	Gray Job-molded Plaster Pipe Fitting Insulation	6.0% Chrysotile						65 fittings	
	Gray Pre-Molded Plaster Pipe Insulation	12.5% Amosite						30 If	
	Paper/Foil over Foam Glass Pipe Insulation	NAD							
Mechanical Room (MER South)	Cloth Wrap, Paper/Mastic and Yellow/Black Sealant over Fiberglass  Duct Insulation	NAD							
	Paper/Foil over Black Sealant over Fiberglass Pipe Insulation	NAD							
	Gray Duct Sealant	6.5% Chrysotile						120 lf	
	White Caulk around Duct Wall Penetration	NAD							
	Black Expansion Joint Caulk	NAD							
	Red Fire-Stop Sealant	NAD							
ODOLINID FLOOR	Lag Cloth Wrap over FG Pipe Insulation	NAD							
GROUND FLOOR	T	NAD							
	Terrazzo Flooring	NAD							
Corridor	Plaster Walls	NAD			+				
Corridor	1' x 1' Spline Ceiling Tiles	NAD							
	4" Covebase and Mastic	NAD							
	Window Glazing Compound	Trace < 0.25%							
	Yellow/Brown Mastic to Light Brown 16"x16" Floor Tile	NAD							
	Light Brown 16"x16" Floor Tile over Gray 9x9 Floor Tile	NAD							
	Yellow Mastic to Gray 9" x 9" Floor Tile	NAD	1 750						
	Gray 9" x 9" Floor Tile	2.2% Chrysotile	1,750		+			10 6:++:	
	Gray Job-molded Plaster Pipe Fitting Insulation	6.0% Chrysotile						10 fittings	
	Plaster Coating on Fiberglass Pipe Fitting Insualtion	3.0% Chrysotile			+			2 lf	
Cofotoxic	Paper/Foil over Foam Glass Pipe Insulation	NAD							
Cafeteria	Cloth Wrap over Fiberglass Pipe Insulation	NAD			+				
	Yellow Mastic to 6" Black Covebase	NAD							
	6" Black Covebase	NAD							
1	Paper/Foil over Fiberglass Pipe Insulation	NAD			1	l		1	

# TABLE A-2 ROOM BY ROOM INVENTORY

				Harriman ^q	State Campus				
ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	Paper/Foil over Foam Glass Pipe Insulation	NAD							
	Modular Gypsum Panels	NAD							
Ī	Gypsum Board/Joint Compound Walls	NAD							
Ī	Plaster Walls	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
Ī	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
Cafeteria Vestibule (Exit to Loading	Plaster Walls	NAD							
Dock)	Yellow Carpet Mastic under Gray Carpet	NAD							
<del> </del>	Black Mastic to 12x12" Green Marbled FT under Gray Carpet	NAD							
<del> </del>	12x12" Green Marbled FT under Gray Carpet	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
		NAD						+	
Men's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
	Wall Plaster	NAD							
	Ceiling Plaster								
	CMU Mortar	NAD							
Pipe Chase between Rest Room's	Cloth Wrap over Fiberglass Pipe Insulation	NAD							
	Paper/Foil over Fiberglass Pipe Insulation	NAD							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Women's Toilet	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
Weiner's renet	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
	Plaster Walls	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
Fire Alarm Control Room/Storage	4" Covebase and Mastic	NAD							
	Yellow Mastic to Gray 9" x 9" Floor Tile	NAD							
	Gray 9" x 9" Floor Tile	2.2% Chrysotile	250						
	Yellow/Brown Mastic to Cream 12"x12" Floor Tile	NAD							
	Cream 12"x12" Floor Tile	NAD							
	Plaster Walls	NAD							
Main Office Area with Cubicles	1' x 1' Spline Ceiling Tiles	NAD							
	4" Covebase and Mastic	NAD							
	Window Glazing Compound	Trace < 0.25%							
	Masonry Brick and Mortar Walls	NAD							
	Foil/Paper over Fiberglass Duct Insulation	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD						+	
Data Closet	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
Data closet	· · · · · · · · · · · · · · · · · · ·								
	Paper/Foil over Fiberglass Pipe Insulation	NAD				-			
	Plaster Walls	NAD			_				
	Yellow Mastic to Gray 9" x 9" Floor Tile under Carpet	NAD	4.150						
-	Gray 9" x 9" Floor Tile under Carpet	2.2% Chrysotile	1,150						
CSEA Offices	4" Covebase with Mastic	NAD							
_	1' x 1' Spline Ceiling Tiles	NAD							
	Plaster Walls	NAD							
	Gypsum Board/Joint Compound Walls	NAD							
	Foil/Paper over Fiberglass Duct Insulation	NAD							
	Yellow Duct Sealant over Fiberglass Duct Insulation	NAD							
Electrical Closet 8GAB	Red Duct Sealant over Fiberglass Duct Insulation	NAD							
Ι Γ	Paper/Foil over Fiberglass Pipe Insulation	NAD							
T	Plaster Walls	NAD							
	Yellow Mastic to Gray 9" x 9" Floor Tile under Carpet	NAD							
	Gray 9" x 9" Floor Tile under Carpet	2.2% Chrysotile	150						
Security	Gypsum Board/Joint Compound Walls	NAD							
	4" Covebase with Mastic	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
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#### ROOM BY ROOM INVENTORY

ROOM NUMBER	SUSPECT MATERIALS	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	CONTAMINATED WALLS / CHASES (SF)	CONTAMINATED FLOOR (SF)	CEILING DEBRIS (SF)	THERMAL SYSTEM INSULATION (LF/EA)	MISCELLANEOUS MATERIALS QUANTITIES (SF/LF/EA)
	Terrazzo Flooring	NAD							
	Plaster Walls	NAD							
Lobby/South Corridor	4" Covebase with Mastic	NAD							
	1' x 1' Spline Ceiling Tiles	NAD							
	Window Glazing Compound	Trace < 0.25%							
	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
Men's Room	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
IVIETI S ROOTTI	Wall Plaster	NAD							
	Ceiling Plaster	NAD							
Women's Room	2" Hexagonal White Ceramic Floor Tile w/Grout and Thinset	NAD							
	1" White Ceramic Wall Tile w Grout and Adhesive	NAD							
WOITIETT'S ROOTIT	Wall Plaster	NAD							
	Ceiling Plaster	NAD							



#### **APPENDIX B**

**Lead-Based Paint Sample Summary Table** 

# TABLE B-1 LEAD-BASED PAINT SAMPLE SUMMARY

Building 8 - Basement through 7th Floor and Building 8A Harriman State Campus Albany, New York 12203

SAMPLE NUMBER	PAINT CHIP DESCRIPTION	SAMPLE LOCATION	LEAD CONTENT (%)
		Building 8	
LBP-121219-01	Beige Wall Paint	Basement - F Room Storage	0.08
LBP-121219-02	White Wall Paint	Basement - Generator Rm E-76	<0.03
LBP-121219-03	Silver Paint on 12" Pipe	Basement - G1, Storage Room 14	<0.03
LBP-121219-04	Yellow Wall Paint	Basement - Room 17 Adjacent to C7 (Secure Storage)	0.09
LBP-121219-05	White Wall Paint	Ground - Service Lobby	<0.03
LBP-121219-06	Green Paint	1st Floor - Corridor - Wooden Wall Protectors	<0.03
LBP-121219-07	Brown Door Frame Paint	1st Floor - Computer Room III	<0.03
LBP-121219-08	Light Green Wall Paint	1st Floor – Computer Room III	0.06
LBP-121219-09	Beige Wall Paint	1st Floor - Programming & Analytics	<0.03
LBP-121219-10	Light Blue Wall Paint	1st Floor - Perimeter Walkway - Programming & Analytics	<0.03
LBP-121219-11	Beige Paint (Doors)	1st Floor – Programming & Analytics (Main Doors)	<0.03
LBP-121219-12	Gray Floor Paint	1st Floor - Air Conditioner (171)	0.60
LBP-121219-13	White Paint (Door)	2nd Floor – Men's Bathroom	<0.03
LBP-121219-14	White Door Frame Paint	4th Floor – Men's Bathroom	0.29
LBP-121219-15	Beige Wall Paint	7th Floor – Women's Bathroom Entrance	<0.03
		Building 8A	
LBP-121219-16	Gray Floor Paint	Basement: MER - North Corridor between Bldg 8/8A	<0.03
LBP-121219-17	Beige Wall Paint	Basement: MER North	<0.03
LBP-121219-18	Silver Paint on Pipe	Basement: MER North	<0.03
LBP-121219-19	Gray Floor Paint	Basement: MER North	<0.03
LBP-121219-20	Red Floor Paint	Basement: MER South	0.13
LBP-121219-21	Beige Wall Paint	Basement: Lobby	<0.03
LBP-121219-22	Red Wall Paint	Ground Floor: Cafeteria	0.04

Notes:

Reporting Limit (RL) = 0.03% by weight (based on 100mg sampled)



## APPENDIX C

**PCB Sample Summary Table** 

# TABLE C-1 PCB SAMPLE SUMMARY

#### Building 8 - Basement through 7th Floor and Building 8A Harriman State Campus Albany, New York 12203

SAMPLE NUMBER	MATERIAL	LOCATION	PCB CONTENT (mg/Kg) (ppm)
	Building	;8	
PCB-121619-01	White Door Frame Caulk	Basement - Generator Room ( E-76)	ND
PCB-121619-02	Red Fire Stop Sealant	Basement - Elevator Lobby	ND
PCB-121619-03	Gray Window (Door) Frame Caulk	1st Floor - Payment Processing (Double Doors)	6.60
PCB-121619-04	Black Adhesive under Elevated Floor Stand	1st Floor - Computer Room III	25.0
PCB-121619-05	Interior Window Glazing Compound	3rd Floor - Column A5	4800
PCB-121619-06	Gray Seam Caulk (bt Concrete & Transite Panels)	Exterior - Loading Dock/Main Entrance	2.40
PCB-121619-07	Gray Window Glazing Compound (Brittle)	Exterior - East Side/Loading Dock	1600
PCB-121619-08	Gray Window Glazing Compound (Soft)	Exterior - South Entrance	770
PCB-121619-09	Black Window Glazing Compound	Exterior - North Side	110
	Building	8A	
PCB-121719-01	White Caulk around Duct Wall Penetration	Basement - MER - North (North Wall)	320
PCB-121719-02	Black Expansion Joint Caulk	Basement - MER - North	117
PCB-121719-03	Gray Window Glazing Compound	Ground Floor - Room 80 (East Corridor)	6.30
PCB-121719-04	Gray Glazing around window Frame in Door	Ground Floor - Hallway (NE Corner)	150000
PCB-121719-05	Gray Caulk under Window (Perimeter)	Exterior - West side of Building	68000
PCB-121719-06	Black Window Glazing Compound (Outer Layer)	Exterior - East side of Building	390
PCB-121719-07	Gray Window Glazing Compound (inner Layer)	Exterior - West side of Building	370000
PCB-121719-08	Gray Seam Caulk to Cementitious Panels	Exterior - East Loading Dock	2.60

Notes:

ND = Not Detected



#### APPENDIX D

**Asbestos Bulk Sample Analytical Report** 



Atlas Environmental Lab, Corp.
255 West 36th Street, Suite# 1503
New York, NY 10018
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www.atlasenvironmentallab.com

BK0722108

7/11/2022

7/14/2022

#### **Bulk Asbestos Report by PLM-TEM**

Client: CHA Consulting Inc

Project Name/No.: Bldg 8

Project Address: Harriman Campus

Collected By: Client
Work Area: Penthouse

								PLM		TEM	Meth	od By	ELAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	AII %	ASI %	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
01A	BK0722108-1	Abandoned Chilled H2O Insulation	White, Homogeneous, Non-Fibrous	23.1	10.3	66.6	0%	100%	NAD Inconclusive	NAD		х	х
01B	BK0722108-2	Abandoned Chilled H2O Insulation	White, Homogeneous, Non-Fibrous	19.4	10.9	69.7	0%	100%	NAD Inconclusive	NAD		х	х
01C	BK0722108-3	Abandoned Chilled H2O Insulation	White, Homogeneous, Non-Fibrous	12.7	17.4	69.9	0%	100%	NAD Inconclusive	NAD		х	х
02A	BK0722108-4	Return Duct Work Jacketing	White, Homogeneous, Non-Fibrous	14.4	4.5	81.1	0%	100%	NAD Inconclusive	NAD		х	х
02B	BK0722108-5	Return Duct Work Jacketing	White, Homogeneous, Non-Fibrous	30.4	3.4	66.2	0%	100%	NAD Inconclusive	NAD		х	х
02C	BK0722108-6	Return Duct Work Jacketing	White, Homogeneous, Non-Fibrous	18.8	32.3	48.9	0%	100%	NAD Inconclusive	NAD		х	х
03A	BK0722108-7	Steam Pipe Insulation	White, Homogeneous, Non-Fibrous	27.9	13.4	58.7	0%	100%	NAD Inconclusive	NAD		х	х
03B	BK0722108-8	Steam Pipe Insulation	White, Homogeneous, Non-Fibrous	27.9	13.4	58.7	0%	100%	NAD Inconclusive	NAD		х	х
03C	BK0722108-9	Steam Pipe Insulation	White, Homogeneous, Non-Fibrous	9.6	62.2	28.2	0%	100%	NAD Inconclusive	NAD		х	х
04A	BK0722108-10	Supply Duct Work Insulation (SF-1)	White, Homogeneous, Non-Fibrous	58.3	5.1	36.6	0%	100%	NAD Inconclusive	NAD		х	х

Page 1 of 2 PM20 Rev 3 Jan 2022

**AEL ID#** 

**Date Received:** 

Report Date:

PLM Date Analyzed: 7/12/2022

**TEM Date Analyzed:** 7/12/2022



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7/11/2022

7/14/2022

ВС

#### **Bulk Asbestos Report by PLM-TEM**

Client: CHA Consulting Inc

Project Name/No.: Bldg 8

Project Address: Harriman Campus

Collected By: Client
Work Area: Penthouse

Client			ORG		A 11	461		PLM		TEM	Meth	od By	ELAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	%	AII %	ASI %	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
04B	BK0722108-11	Supply Duct Work Insulation (SF-3)	White, Homogeneous, Non-Fibrous	29.4	4.5	66.1	0%	100%	NAD Inconclusive	NAD		Х	Х
04C	BK0722108-12	Supply Duct Work Insulation (SF-7)	White, Homogeneous, Non-Fibrous	27.2	31.6	41.2	0%	100%	NAD Inconclusive	NAD		x	х
04D	BK0722108-13	Supply Duct Work Insulation (SF-9)	White, Homogeneous, Non-Fibrous	13.9	16.9	69.2	0%	100%	NAD Inconclusive	NAD		x	x
04E	BK0722108-14	Supply Duct Work Insulation (SF-14)	White, Homogeneous, Non-Fibrous	16.0	11.6	72.4	0%	100%	NAD Inconclusive	NAD		x	x

^{*}Samples 7 & 8 analyzed as combined

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophylite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

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.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, AII= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL .Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.

NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034 "ELCP on NJ won't apply to TEM", CT ID:PH-0154

PLM Analyst: FC

TEM Analyst: VR

Approved by:

Page 2 of 2 PM20 Rev 3 Jan 2022

AFL ID#

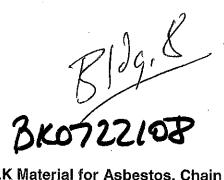
**Date Received:** 

Report Date:

PLM Date Analyzed: 7/12/2022

TEM Date Analyzed: 7/12/2022





Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503 New York, NY. 10018

Phone: (212) 563-0400 Fax: (212) 563-0401

# Client CHA Consultive Contact Name Jim Morey Project Name & No. Blog Project Name & No. Blog Project Location Jewsonian Project Location Jewsonian Email Morey Collected Project Location Jewsonian Work Area Pent Bositive per homogeneous material, SOF/SM-V (198.8) Turn Around Time: Same Day 24 Hrs. 48 Hrs. 72 Hrs. If Vermiculite present, proceed to Method 198.8: _______ TAT: _______

Field ID	AEL Lab ID		Location	Descript	ion .	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
OIA	1	Abar	Doned C	61//	d HOIn	sulat	m	
013	2			u				
0/6	3			u.				
OZA	4	Retu	in Duc	Twe	ork Jack	setn		
OZB	5		•	٠			2	
ORC	6			U)	Ė			
03A	7	Stea	m. Pipe	1/2	sylation			
0312	8			4				
03C	9			v				
04A	10	SUP	PLY Du	<u>-T</u>	work Ins	ulah	m (59	=-1)
0433	11			Ì			(SF-	3\
04C	12						ISF-	7
040	13						CSF-9	2)
04E	14			$\downarrow$			(SF-14	7
Sampled E	By: Miled By:	<b>ω</b>	Signature			Date:	102/22	Time: 5,000
			Signature:			Date:		Time.
Received	By: Juster	les	Signature:	1		Date: 7-1	11.72	Time: /
Analyst:	W/Q	Neco	Signature:			Date	257	Time:

All GAMPLES PRECEDED BY: (AS-063022-)

PM1 Rev 1 Jan 2018



Atlas Environmental Lab, Corp.
255 West 36th Street, Suite# 1503
New York, NY 10018
Phone:(212) 563-0400 Fax:(212) 563-0401
www.atlasenvironmentallab.com

BK0822237

8/16/2022

8/19/2022

#### **Bulk Asbestos Report by PLM-TEM**

Client: CHA Consulting Inc

Project Name/No.: 63842

Project Address: Bldg 8, 8th & 9th FL

Collected By: Client

Work Area: Concrete Supply

								PLM		TEM	Meth	od By	ELAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	AII %	ASI %	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
01	BK0822237-1	Concrete Floor Slab - 8th Floor - Column J4	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
02	BK0822237-2	Concrete Floor Slab - 8th Floor - Column F5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
03	BK0822237-3	Concrete Floor Slab - 8th Floor - Column E2	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
04	BK0822237-4	Concrete Floor Slab - 8th Floor - Column D4	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
05	BK0822237-5	Concrete Floor Slab - 8th Floor - Column D7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
06	BK0822237-6	Concrete Floor Slab - 8th Floor - Column A6	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
07	BK0822237-7	Concrete Floor Slab - 8th Floor - Column E8	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
08	BK0822237-8	Concrete Floor Slab - 8th Floor - Column J7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
09	BK0822237-9	Concrete Floor Slab - 8th Floor - Column J3	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		х		
10	BK0822237-10	Concrete Floor Slab - 8th Floor - Column G1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		

Page 1 of 4 PM20 Rev 3 Jan 2022

**AEL ID#** 

**Date Received:** 

Report Date:

**TEM Date Analyzed:** 

PLM Date Analyzed: 8/17/2022

ATE/S

**Bulk Asbestos Report by PLM-TEM** 

Atlas Environmental Lab, Corp. 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

www.atlasenvironmentallab.com

Client: CHA Consulting Inc

Project Name/No.: 63842

Project Address: Bldg 8, 8th & 9th FL

Collected By: Client

Work Area: Concrete Supply

AEL ID# BK0822237

Date Received: 8/16/2022

PLM Date Analyzed: 8/17/2022

**TEM Date Analyzed:** 

**Report Date:** 8/19/2022

0111				000	ORG All ASI			PLM		TEM	Meth	od By l	ELAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	%	%	%	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
11	BK0822237-11	Concrete Floor Slab - 8th Floor - Column C1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
12	BK0822237-12	Concrete Floor Slab - 8th Floor - Column A4	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		х		
13	BK0822237-13	Concrete Floor Slab - 8th Floor - Column A7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
14	BK0822237-14	Concrete Floor Slab - 8th Floor - Column C10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
15	BK0822237-15	Concrete Floor Slab - 8th Floor - Column G10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
16	BK0822237-16	Concrete Floor Slab - 9th Floor - Column I5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
17	BK0822237-17	Concrete Floor Slab - 9th Floor - Column F5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
18	BK0822237-18	Concrete Floor Slab - 9th Floor - Column E2	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
19	BK0822237-19	Concrete Floor Slab - 9th Floor - Column D4	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
20	BK0822237-20	Concrete Floor Slab - 9th Floor - Column A5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		x		

Page 2 of 4 PM20 Rev 3 Jan 2022

ATE/S

**CHA Consulting Inc** 

Client:

**Bulk Asbestos Report by PLM-TEM** 

Atlas Environmental Lab, Corp. 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401 www.atlasenvironmentallab.com

**AEL ID#** BK0822237

Project Name/No.:63842Date Received:8/16/2022Project Address:Bldg 8, 8th & 9th FLPLM Date Analyzed: 8/17/2022

Collected By: Client TEM Date Analyzed:

Work Area: Concrete Supply Report Date: 8/19/2022

Client				000		401		PLM		TEM	Meth	od By	ELAP
ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	AII %	ASI %	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
21	BK0822237-21	Concrete Floor Slab - 9th Floor - Column D6	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
22	BK0822237-22	Concrete Floor Slab - 9th Floor - Column E8	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
23	BK0822237-23	Concrete Floor Slab - 9th Floor - Column E1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
24	BK0822237-24	Concrete Floor Slab - 9th Floor - Column B1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
25	BK0822237-25	Concrete Floor Slab - 9th Floor - Column A3	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
26	BK0822237-26	Concrete Floor Slab - 9th Floor - Column A7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
27	BK0822237-27	Concrete Floor Slab - 9th Floor - Column B10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
28	BK0822237-28	Concrete Floor Slab - 9th Floor - Column E10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
29	BK0822237-29	Concrete Floor Slab - Column J3	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		х		
30	BK0822237-30	Concrete Floor Slab - Column J7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		

Page 3 of 4 PM20 Rev 3 Jan 2022

ATLAS

#### **Bulk Asbestos Report by PLM-TEM**

Atlas Environmental Lab, Corp. 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

www.atlasenvironmentallab.com

Client: CHA Consulting Inc

Project Name/No.: 63842

Project Address: Bldg 8, 8th & 9th FL

Collected By: Client

Work Area: Concrete Supply

**AEL ID#** BK0822237 **Date Received:** 8/16/2022

PLM Date Analyzed: 8/17/2022

TEM Date Analyzed:

**Report Date:** 8/19/2022

Client				ODG	ORG AII ASI			PLM		TEM	Meth	od By	ELAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	%	%	%	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
31	BK0822237-31	Column Concrete - Column G3 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		Х		
32	BK0822237-32	Column Concrete - Column D4 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		Х		
33	BK0822237-33	Column Concrete - Column D9 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	98.9%	1.1%CHRY		Х		
34	BK0822237-34	Column Concrete - Column G8 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х		
35	BK0822237-35	Column Concrete - Column E3 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х		
36	BK0822237-36	Column Concrete - Column D4 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х		
37	BK0822237-37	Column Concrete - Column D9 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	98.7%	1.3%CHRY		Х		_
38	BK0822237-38	Column Concrete - Column G8 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х	·	

JR

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophylite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

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.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, All= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

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NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034 "ELCP on NJ won't apply to TEM", CT ID:PH-0154

PLM Analyst: MN TEM Analyst: Approved by:

Page 4 of 4 PM20 Rev 3 Jan 2022



# BIJ9 8 HARRIMAN STATE OFFICE CAMPUS

BK08 22237

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone: (212) 563-0400 Fax: (212) 563-0401

**BULK Material for Asbestos, Chain of Custody** 

Client C Address	HA CO	NEWlting INC	Contact Name  Phone Number 578- Email jmoreyech	Mores 466-1501	Project	Name & No Location <i>P</i>	6384	<u>z</u>
			-NOB,Stop on 1st positive po		WV OFK D	roa (*	A C	I
-			Time: Same Day					
	lf	•	proceed to Method 19			irs.		
Field ID	AEL Lab ID		cation/Description	·	Friable/ Non	Homogenous Area	Accept Sample	_
01		Concrete F	Floor Slab	. CME	Friable	*1	Yes/No	-
62			1	0 1		<u>"olumn</u>		74
03					1	duma		_
04	·					olumn		4
05						obumn		-
						olumnI		
06					- 0	olumn	A6	
07	·	0		J	-C	lumn	E8	
08		Concrete F	100 Slab-	8mFle		lumn	アフ	
09					- 1		J 3	
10					- 0	olumn		
11					- 00	lumn	01	1
12						bunn	AU	<u> </u>
13						,	<del>/                                    </del>	•
14		J	,			umn A		
Sampled By:	6~u	Signature:			Date:	Lunn	<u>C 10</u> Time:	
Relinquished	l Ву:	Signature:		> +		122	(, 6- Time;	
Received By	y Gora	Signature	alle T		Date: 5%		Time:	
Analyst:	) N	Signature:	A soil		Date: 8/12/	Zer	Time:	
	11/	SAMPLE	# 1 7000	CDED,		PMI Rev 1 Ja	13:401	
4	711	>11111	/ /	7	//	08102	•	
			1 0/	_>	("1=	SUMIUA		



Client_

Address

# BKO822137

Contact Name_

Phone Number___

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

PM1 Rev 1 Jan 2018

Project Name & No._

#### **BULK Material for Asbestos, Chain of Custody**

Address				Project Location					
						Work A	rea		
Analysis R	equested:	PLM, PLM-NOB,TEM-N	IOB,Stop on	1 st positive per ho	mogeneous n	naterial	SOF/SM-V (198.8)		
		Turn Around 1	i <b>me</b> : □ Sar	ne Day 🗀 24.	Uro	Ura Mara	1		
							ars.		
		Vermiculite present, p	proceed to N	lethod 198.8:		_ TAT:			
Field ID	AEL Lab ID	Loc	ation/Descr	ption		Friable/ Non	Homogenous Area	Accept Sample	
	·					Friable		Yes/No	
15		Concrete	tloor	Slab	- Rr	E1	Colum	n 610	
16					-91	a.F.	Colum	25	
17			<u>.</u>		- G M		Colum		
18			14 14		91		Column		
19		÷		-	900	F1 -	Column		
20					Ox				
21							Colum	<del></del>	
22						·	-colum		
23			<del> </del>		9"	J-1	colur	9 1	
24			}		you	FI.	- Colu	mnEl	
				<del></del>	gr	F1	colum	m B1	
25					-27	F1	colun	in A3	
24					970	F1		, ,	
27					gra		colimn	1	
28			V		94		Column		
Sampled By	سمس	Signature:	21			Date: // 0/	22	Time:	
Relinquishe	•	Signature:				Date		Time:	
Received By		Signature:	ally i			Date: 9/16	h	Time:	
Analyst: M	N	Signature:	(Z	Ja-		Date: 081	1712on	Time: (5) 40	

213



Client

# BKOPIZI37

Contact Name__

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503

New York, NY 10018 Phone:(212) 563-0400 Fax:(212) 563-0401

#### **BULK Material for Asbestos, Chain of Custody**

Address		Contact Name Phone Number Email	Project Name & No Project Location
			Work Area
Analysis Re	equested:	 RLM, PLM-NOB,TEM-NOB,Stop on 1 st positive per homoç	
		Turn Around Time: ☐ Same Day ☐ 24 Hrs	s. 🗌 48 Hrs. 💢 72 Hrs.
····		Vermiculite present, proceed to Method 198.8:	TAT:
Field ID	AEL Lab ID	Location/Description	Friable/ Homogenous Accept Non Area Sample Friable Yes/No
29	-	Concrete Floor Slab	- column J3
ەد		<u> </u>	Column J7
31		that the Column Concre	the column G3 (em Fil)
25			- column D4
35	-		-column ba
34			- Colomn G8
35			- Column E3 (grafloor
26			- Column Dy
37			- column D9
38			-column 68 V
Sampled By	<u> </u>	Cignothyou	
Sampled By J. M. Relinquishe		Signature:	Date: 08/10/22 Timer Sc00
Received By		Signature:	Date: / / Time:
<i>Sg-, 44</i> Analyst:	ing la	Signature:	Date: Slefn Time: 45
N	7M	organical Control of the Control of	Date: 08/17/200 Time: 15:40



#### AmeriSci New York

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

#### LABORATORY ELECTRONIC TRANSMITTAL

To: James Morey

From:

Jared C. Clarke

CHA Consulting, Inc.

AmeriSci Job #:

219122541

Fax #:

Subject: ELAP-PLM/TEM 5 day Results

Client Project:

36038; Study To Rehab Building 8

& 8A; 1220 Washington Ave., NY

Email:

JMorey@chacompanies.com,srosecrans@chacompan

ies.com,jroche@chacompanies.com,huhlig@chacom

panies.com

- Bldg. 8 & 8A

Date:

Sunday, December 22, 2019

**Number of Pages:** 

(including cover sheet)

**Time:** 06:23:04

Comments:

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.

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#### AmeriSci New York

117 EAST 30TH ST. NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

### **PLM Bulk Asbestos Report**

CHA Consulting, Inc. Attn: James Morey

111 Winners Circle

Albany, NY 12205

Date Received

12/17/19

11480

AmeriSci Job #

219122541

Date Examined 12/18/19

**ELAP#** 

P.O. #

Page

1 **of** 39

RE: 36038; Study To Rehab Building 8 & 8A; 1220 Washington

Ave., NY - Bldg. 8 & 8A

Client No. / HGA	1	Lab No.	Asbestos Present	Total % Asbestos
121619-01A	Location: Basement / 24	219122541-01 "Lt. Blue Chilled Wate	<b>No</b> er Return - Paper / Foil Over Styrofoam	NAD ¹ (by NYS ELAP 198.1)
	Pipe Insulation	1		by Jared C. Clarke on 12/18/19
Asbestos Typ	on: Silver/White, Heterogoes: rial: Cellulose 35 %, Fibro			
121619-01B		219122541-02	No	NAD
· · · · · · · · · · · · · · · · · · ·	Location: Basement / 24 Pipe Insulation		er Return - Paper / Foil Over Styrofoam	(by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
	nes: rial: Cellulose 35 %, Fibro	ous glass 5 %, Non-fib	Yes	18.2 %
121619-02A 1	Location: Basement / 24 Fitting Insulati	I" Lt. Blue Chilled Wat	<b>Yes</b> er Return - Job-Molded Plaster Pipe	(by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Ty	ion: Grey, Homogeneous, pes: Chrysotile 18.2 % rial: Non-fibrous 81.8 %	Fibrous, Bulk Material		ON 12/10/10
121619-02B		219122541-04		NA/PS
1	Location: Basement / 24 Fitting Insulation		er Return - Job-Molded Plaster Pipe	
Analyst Descript Asbestos Ty Other Mate				
121619-02C		219122541-05		NA/PS
1	Location: Basement / 2		er Return - Job-Molded Plaster Pipe	

Asbestos Types: Other Material:

Analyst Description: Bulk Material

## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab	No.	Asbestos Present	Total % Asbesto
121619-03A	219122 Location: Basement / 8" Orange C Insulation		<b>No</b> - Paper / Foil Over FG Pipe	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Typ	on: Silver/White, Heterogeneous, F es: al: Cellulose 35 %, Fibrous glass			
121619-03B	219122 Location: Basement / 4" Cold Wat		<b>No</b> Paper / Foil Over FG Pipe Insulation	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Typ	on: Silver/White, Heterogeneous, Fes: al: Cellulose 38 %, Fibrous glass			
121619-04A	219122 Location: Basement / A37 (Above		<b>No</b> Wrap Over FG Pipe Insulation	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Typ	on: Tan, Homogeneous, Fibrous, B es: al: Synthetic fibers 90 %, Non-fibr			
121619-04B	219122 Location: 1st Fl. / North Duct Cha	-	<b>No</b> Over FG Pipe Insulation	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Typ	on: Tan, Homogeneous, Fibrous, B es: ial: Synthetic fibers 90 %, Non-fibr			
121619-05A	219122 Location: Basement / 16" High Pr Pipe Insulation	2541-10 essure Steam P	<b>Yes</b> ipe (Yellow) - Pre-Molded Plaster	12.5 % (by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Typ	on: Grey, Homogeneous, Fibrous, es: Chrysotile 6.3 %, Amosite 6 ial: Non-fibrous 87.5 %	Bulk Material .3 %		
121619-05B	219122 Location: Basement / 16" High Pr Pipe Insulation	2541-11 essure Steam F	<b>Yes</b> ripe (Yellow) - Pre-Molded Plaster	12.9 % (by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Typ	on: Grey, Homogeneous, Fibrous, es: Chrysotile 3.2 %, Amosite 9 ial: Non-fibrous 87.1 %	Bulk Material .7 %		

#### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbesto
121619-05C L	219122541-12 ocation: Basement / 16" High Pressure Steam F Pipe Insulation	<b>Yes</b> Pipe (Yellow) - Pre-Molded Plaster	12.9 % (by NYS ELAP 198.1) by Jared C. Clarke on 12/18/19
Asbestos Type	: Grey, Homogeneous, Fibrous, Bulk Material :: Chrysotile 3.2 %, Amosite 9.7 % :: Non-fibrous 87.1 %		
121619-06A	219122541-13	No	NAD
L	<b>Detailing:</b> Basement / 2" Med. Pressure Return Ret	ipe (Room A) - Job-Molded Plaster	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Type	i: Grey, Homogeneous, Fibrous, Bulk Material i: i: Fibrous glass 15 %, Non-fibrous 85 %		
121619-06B	219122541-14	Yes	14.8 %
	ocation: Basement / 16" High Pressure Steam F Pipe Fitting Insulation (Tan)	Pipe (Yellow) - Job-Molded Plaster	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Type	a: OffWhite, Heterogeneous, Non-Fibrous, Bulk N a: Chrysotile 3.7 %, Amosite 11.1 % l: Non-fibrous 85.2 %	Material	
121619-06C	219122541-15	No	NAD
L			
	Plaster Pipe Fitting Insulation (Tan)	Conditioner (171) - Job-Molded	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Type	Plaster Pipe Fitting Insulation (Tan)  : Grey, Homogeneous, Fibrous, Bulk Material	Conditioner (171) - Job-Molded	(by NYS ELAP 198.1) by Jared C. Clarke
Asbestos Type Other Materia	Plaster Pipe Fitting Insulation (Tan)  Grey, Homogeneous, Fibrous, Bulk Material Fibrous glass 15 %, Non-fibrous 85 %		(by NYS ELAP 198.1) by Jared C. Clarke
Asbestos Type Other Materia	Plaster Pipe Fitting Insulation (Tan)  Grey, Homogeneous, Fibrous, Bulk Material  Grey	Yes	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Type Other Materia  121619-06D  L  Analyst Descriptio Asbestos Type	Plaster Pipe Fitting Insulation (Tan)  a: Grey, Homogeneous, Fibrous, Bulk Material  a: Fibrous glass 15 %, Non-fibrous 85 %  219122541-16  ocation: 6th Fl. / Women's Room: Plumbing Cha	Yes	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19 2.5 % (EPA 400 PC) by Jared C. Clarke
Asbestos Type Other Materia  121619-06D  L  Analyst Descriptio Asbestos Type Other Materia	Plaster Pipe Fitting Insulation (Tan)  a: Grey, Homogeneous, Fibrous, Bulk Material  a: Fibrous glass 15 %, Non-fibrous 85 %  219122541-16  ocation: 6th Fl. / Women's Room: Plumbing Challed Insulation (Tan)  a: Grey, Homogeneous, Fibrous, Bulk Material  a: Chrysotile 2.5 %	Yes	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19 2.5 % (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Type Other Materia  121619-06D  L  Analyst Descriptio Asbestos Type Other Materia	Plaster Pipe Fitting Insulation (Tan)  a: Grey, Homogeneous, Fibrous, Bulk Material  a: Eribrous glass 15 %, Non-fibrous 85 %  219122541-16  cocation: 6th Fl. / Women's Room: Plumbing Challed Insulation (Tan)  a: Grey, Homogeneous, Fibrous, Bulk Material  a: Chrysotile 2.5 %  b: Fibrous glass 15 %, Non-fibrous 82.5 %	<b>Yes</b> ase - Job-Molded Plaster Pipe Fitting <b>No</b>	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19 2.5 % (EPA 400 PC) by Jared C. Clarke on 12/20/19

#### **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

219122541-18 : Basement / Generator Room (E-76) -  , Homogeneous, Non-Fibrous, Bulk Ma ibrous 100 %  219122541-19 : Basement / Generator Room (E-76) -  , Homogeneous, Non-Fibrous, Bulk Ma ibrous 100 %  219122541-20 : 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)  hite, Homogeneous, Fibrous, Bulk Mate sotile 3.3 %, Amosite 10.0 %	No Plaster Pipe Fitting Insulation (White) terial  Yes r Insulation (White) Under Chicken Wire	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  13.3 % (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
e, Homogeneous, Non-Fibrous, Bulk Maribrous 100 %  219122541-19 : Basement / Generator Room (E-76) - e, Homogeneous, Non-Fibrous, Bulk Maribrous 100 %  219122541-20 : 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)	No Plaster Pipe Fitting Insulation (White) terial  Yes r Insulation (White) Under Chicken Wire	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  13.3 % (by NYS ELAP 198.1) by Jared C. Clarke
219122541-19 : Basement / Generator Room (E-76) - e, Homogeneous, Non-Fibrous, Bulk Ma ibrous 100 %  219122541-20 : 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)	No Plaster Pipe Fitting Insulation (White) terial  Yes r Insulation (White) Under Chicken Wire	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19 13.3 % (by NYS ELAP 198.1) by Jared C. Clarke
: Basement / Generator Room (E-76) - e, Homogeneous, Non-Fibrous, Bulk Ma ibrous 100 %  219122541-20 : 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)	Plaster Pipe Fitting Insulation (White)  terial  Yes r Insulation (White) Under Chicken Wire	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19 13.3 % (by NYS ELAP 198.1) by Jared C. Clarke
e, Homogeneous, Non-Fibrous, Bulk Ma ibrous 100 % 219122541-20 : 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)	terial <b>Yes</b> r Insulation (White) Under Chicken Wire	by Jared C. Clarke on 12/20/19  13.3 % (by NYS ELAP 198.1) by Jared C. Clarke
ibrous 100 %  219122541-20  : 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)	<b>Yes</b> r Insulation (White) Under Chicken Wire	(by NYS ELAP 198.1) by Jared C. Clarke
: 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner) nite, Homogeneous, Fibrous, Bulk Mate	r Insulation (White) Under Chicken Wire	(by NYS ELAP 198.1) by Jared C. Clarke
On Air Handler (Inner) hite, Homogeneous, Fibrous, Bulk Mate		by Jared C. Clarke
	rial	
ibrous 86.7 %		
219122541-21		NA/PS
: 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)	r Insulation (White) Under Chicken Wire	
Material		
219122541-22		NA/PS
: 1st Fl. / Air Conditioner (171) - Plaste On Air Handler (Inner)	r Insulation (White) Under Chicken Wire	
Material		
219122541-23		NA/PS
: 1st Fl. / Air Conditioner (171) - Plaste	r Insulation (Gray) Under Chicken Wire	
	219122541-23	219122541-23 1st Fl. / Air Conditioner (171) - Plaster Insulation (Gray) Under Chicken Wire

Other Material:

#### **PLM Bulk Asbestos Report**

Client No. / Ho	<b>GA</b>	Lab No.	Asbestos Present	Total % Asbesto
121619-09B		219122541-24		NA/PS
3	Location: 1st Fl. / Air Co On Air Handle		er Insulation (Gray) Under Chicken Wire	
Analyst Descri Asbestos l Other Ma				
121619-09C		219122541-25		NA/PS
3	Location: 1st Fl. / Air Co On Air Handle		er Insulation (Gray) Under Chicken Wire	
Analyst Descri Asbestos Other Ma	<del></del>			
121619-10A		219122541-26	No	NAD
	Location: Basement / 2- (White)	4" Lt. Blue Chilled Wate	er Return - Pipe End Cap Sealant	(by NYS ELAP 198.6) by Jared C. Clarke
	(vviiite)			on 12/20/19
Asbestos	ption: White, Homogeneou		aterial	on 12/20/19
Asbestos 7 Other Ma	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,	Non-fibrous 23.2 % 219122541-27	No	NAD
Asbestos	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,	Non-fibrous 23.2 % 219122541-27		
Asbestos 7 Other Ma 121619-10B  Analyst Descri	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,  Location: Basement / 2 (White)  ption: White, Homogeneous	Non-fibrous 23.2 % 219122541-27 4" Lt. Blue Chilled Wate	<b>No</b> er Return - Pipe End Cap Sealant	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-10B  Analyst Descri Asbestos Other Ma	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,  Location: Basement / 2 (White)  ption: White, Homogeneous	Non-fibrous 23.2 % 219122541-27 4" Lt. Blue Chilled Wate s, Non-Fibrous, Bulk Manuel St. 1988	<b>No</b> er Return - Pipe End Cap Sealant aterial	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos 7 Other Ma 121619-10B  Analyst Descri	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,  Location: Basement / 2 (White)  ption: White, Homogeneous Types: terial: Fibrous glass 8 %, N	Non-fibrous 23.2 % 219122541-27 4" Lt. Blue Chilled Wate s, Non-Fibrous, Bulk Mandon-fibrous 50.7 % 219122541-28	<b>No</b> er Return - Pipe End Cap Sealant	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-10B  Analyst Descri Asbestos Other Ma  121619-11A  Analyst Descri Asbestos	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,  Location: Basement / 2 (White)  ption: White, Homogeneous Types: terial: Fibrous glass 8 %, N	Non-fibrous 23.2 %  219122541-27 4" Lt. Blue Chilled Wate s, Non-Fibrous, Bulk Mandon-fibrous 50.7 %  219122541-28 s Room: Plumbing Char s, Non-Fibrous, Bulk Mandon-Fibrous, Bul	No er Return - Pipe End Cap Sealant aterial  Yes se - Pipe End Cap Sealant (Black)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  2.2 % ² (EPA 400 PC) by Jared C. Clarke
Asbestos Other Ma  121619-10B  Analyst Descri Asbestos Other Ma  121619-11A  Analyst Descri Asbestos Other Ma	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,  Location: Basement / 2 (White)  ption: White, Homogeneous Types: terial: Fibrous glass 8 %, N  Location: 5th Fl. / Men's  ption: Black, Homogeneous Types: Chrysotile 2.2 %	Non-fibrous 23.2 %  219122541-27 4" Lt. Blue Chilled Wate s, Non-Fibrous, Bulk Mandon-fibrous 50.7 %  219122541-28 s Room: Plumbing Char s, Non-Fibrous, Bulk Mandon-Fibrous, Bul	No er Return - Pipe End Cap Sealant aterial  Yes se - Pipe End Cap Sealant (Black)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  2.2 % ² (EPA 400 PC) by Jared C. Clarke
Asbestos Other Ma  121619-10B  Analyst Description Asbestos Other Ma  121619-11A  Analyst Description Asbestos Asbestos	ption: White, Homogeneous Types: terial: Fibrous glass 10 %,  Location: Basement / 2 (White)  ption: White, Homogeneous Types: terial: Fibrous glass 8 %, N  Location: 5th Fl. / Men's  ption: Black, Homogeneous Types: Chrysotile 2.2 % terial: Fibrous glass 4 %, N	Non-fibrous 23.2 % 219122541-27 4" Lt. Blue Chilled Wate s, Non-Fibrous, Bulk Mandan-fibrous 50.7 % 219122541-28 s Room: Plumbing Char s, Non-Fibrous, Bulk Mandan-fibrous 30.4 % 219122541-29	No er Return - Pipe End Cap Sealant aterial  Yes se - Pipe End Cap Sealant (Black)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  2.2 % ² (EPA 400 PC) by Jared C. Clarke on 12/20/19

#### **PLM Bulk Asbestos Report**

Client No. / HG/	A 1	Lab No.	Asbestos Present	Total % Asbestos
121619-12A	219	9122541-30	No	NAD
	Insulation		Foil / Yellow Paper Over FG Duct	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Ty	ion: Silver/Brown, Heterogened pes: rial: Cellulose 38 %, Fibrous g			
121619-12B	219	9122541-31	No	NAD
			llow Paper Over FG Duct Insulation	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Ty				
Other Mate	ial: Cellulose 30 %, Fibrous g	liass 10 %, Non-ti	brous 60 %	<del></del>
121619-13A		9122541-32	No	NAD
	Location: 1st Fl. / North Duct	: Chase - Foil / Re	d Paper Over FG Duct Insulation	(by NYS ELAP 198.1) by Jared C. Clarke
				on 12/20/19
Asbestos Ty	on: Silver/Red, Heterogeneous les: ial: Cellulose 35 %, Fibrous g			on 12/20/19
Asbestos Typ Other Mate	es: ial: Cellulose 35 %, Fibrous g			on 12/20/19 NAD
Asbestos Ty	es: ial: Cellulose 35 %, Fibrous g	lass 5 %, Non-fib	rous 60 %	
Asbestos Tyr Other Mater 121619-13B Analyst Descripti Asbestos Tyr	Location: 2nd Fl. / Duct Chas Insulation  on: Silver/Red, Heterogeneous	lass 5 %, Non-fib 0122541-33 se Near Water Foo s, Fibrous, Bulk M	No untain - Foil / Red Paper Over FG Duct	NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos Tyr Other Mater 121619-13B Analyst Descripti Asbestos Tyr Other Mater	Location: 2nd Fl. / Duct Chase Insulation  on: Silver/Red, Heterogeneous ial: Cellulose 35 %, Fibrous g	lass 5 %, Non-fib 0122541-33 se Near Water Fou s, Fibrous, Bulk M lass 5 %, Non-fib	No untain - Foil / Red Paper Over FG Duct aterial rous 60 %	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Tyr Other Mater 121619-13B Analyst Descripti Asbestos Tyr	Location: 2nd FI. / Duct Chase Insulation  on: Silver/Red, Heterogeneous es: ial: Cellulose 35 %, Fibrous g	lass 5 %, Non-fib 0122541-33 se Near Water Fou s, Fibrous, Bulk M lass 5 %, Non-fib 0122541-34	No untain - Foil / Red Paper Over FG Duct	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Tyr Other Mater  121619-13B  Analyst Descripti Asbestos Tyr Other Mater  121619-14A  Analyst Descripti Asbestos Tyr	Location: 2nd Fl. / Duct Chase Insulation  on: Silver/Red, Heterogeneous ital: Cellulose 35 %, Fibrous g  219  Location: Basement / A Roor  on: Black, Homogeneous, None	lass 5 %, Non-fib 0122541-33 se Near Water For s, Fibrous, Bulk M lass 5 %, Non-fib 0122541-34 m - Sealant (Black n-Fibrous, Bulk Ma	No untain - Foil / Red Paper Over FG Duct aterial rous 60 %  No  Over FG Duct Insulation (Inner Layer)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Tyr Other Mater 121619-13B Analyst Descripti Asbestos Tyr Other Mater 121619-14A Analyst Descripti Asbestos Tyr Other Mater	Location: 2nd FI. / Duct Chase Insulation  on: Silver/Red, Heterogeneous es: ial: Cellulose 35 %, Fibrous g  219  Location: Basement / A Roor  on: Black, Homogeneous, Nones: ial: Fibrous glass 2 %, Non-fit	lass 5 %, Non-fib 0122541-33 se Near Water For s, Fibrous, Bulk M lass 5 %, Non-fib 0122541-34 m - Sealant (Black n-Fibrous, Bulk Ma prous 3 %	No untain - Foil / Red Paper Over FG Duct aterial rous 60 %  No  Over FG Duct Insulation (Inner Layer)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Tyr Other Mater  121619-13B  Analyst Descripti Asbestos Tyr Other Mater  121619-14A  Analyst Descripti Asbestos Tyr	Location: 2nd FI. / Duct Chase Insulation  on: Silver/Red, Heterogeneous es: ial: Cellulose 35 %, Fibrous g  219  Location: Basement / A Roor  on: Black, Homogeneous, Nones: ial: Fibrous glass 2 %, Non-fit	lass 5 %, Non-fib 0122541-33 se Near Water Foundary s, Fibrous, Bulk Malass 5 %, Non-fib 0122541-34 m - Sealant (Black n-Fibrous, Bulk Malaprous 3 %	No untain - Foil / Red Paper Over FG Duct aterial rous 60 %  No  Over FG Duct Insulation (Inner Layer)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke

#### **PLM Bulk Asbestos Report**

Client No. / H	GA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos
121619-15A		219122541-36	No	NAD
	Location: Baseme (Middle)	- , ,	/ Mastic (Black) Under Cloth Wrap	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos		neous, Non-Fibrous, Bulk Ma %	terial	
121619-15B	**	219122541-37	No	NAD
	Location: Baseme (Middle)	nt / A Room - Paper (Yellow)	/ Mastic (Black) Under Cloth Wrap	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	•	neous, Non-Fibrous, Bulk Mat	terial	
121619-16A		219122541-38	No	NAD
121019-10A	Location: Baseme		er FG Duct Insulation (Outer Layer)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Other Ma	Types:	80 %, Non-fibrous 20 %		
121619-16B	Location: Baseme	219122541-39 nt / A Room - Cloth Wrap Ovi	<b>No</b> er FG Duct Insulation (Outer Layer)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	Types:	ous, Fibrous, Bulk Material 80 %, Non-fibrous 20 %		
	aterial. Synthetic libers		Yes	1.9 %
121619-17A	Location: 1st Fl. / l	219122541-40 North Duct Chase - Duct Seal		1.9 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	i <b>ption:</b> Grey, Homogen <b>Types:</b> Chrysotile  1.9 % <b>aterial:</b> Non-fibrous 13.4		erial .	
121619-17B	Location: 5th Fl./	219122541-41 North Duct Chase - Duct Sea	<b>Yes</b> lant (Gray)	2.1 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19

#### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
121619-18A <b>Location</b> : Ba	219122541-42 sement / Main Steam Room - Sea	<b>Yes</b> alant On Pipe (Black)	5.3 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Analyst Description: Black, Hor Asbestos Types: Chrysotile Other Material: Non-fibrou		aterial	
121619-18 <b>B</b> <b>Location</b> : Ba	219122541-43 sement / Main Steam Room - Sea	<b>Yes</b> alant On Pipe (Black)	5.6 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Analyst Description: Black, Hor Asbestos Types: Chrysotile Other Material: Non-fibrou		aterial	
	219122541-44 sement / Main Steam Room - Bitu ncrete Forms	<b>No</b> uminous Sealant (Black) Between	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Analyst Description: Black, Hor Asbestos Types: Other Material: Non-fibrou	mogeneous, Non-Fibrous, Bulk Ma s 15.1 %	aterial	
	219122541-45 sement / Main Steam Room - Bitu ncrete Forms	<b>No</b> ıminous Sealant (Black) Between	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Analyst Description: Black, Hor Asbestos Types: Other Material: Non-fibrou	nogeneous, Non-Fibrous, Bulk Ma s 26.4 %	aterial	011 12/20/10
121619-20A Location: Ba	219122541-46 sement / E46 (Storage) - Bitumino	<b>No</b> ous Wall Coating (Black)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Analyst Description: Black, Hor Asbestos Types: Other Material: Non-fibrou	nogeneous, Non-Fibrous, Bulk Ma	aterial	S
121619-20B <b>Location</b> : Ba	219122541-47 sement / E46 (Storage) - Bitumino	<b>No</b> ous Wall Coating (Black)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Analyst Description: Black, Hor Asbestos Types: Other Material: Non-fibrou	nogeneous, Non-Fibrous, Bulk Ma s 3.9 %	aterial	

#### **PLM Bulk Asbestos Report**

Client No. / HG/	4	Lab No.	Asbestos Present	<b>Total % Asbestos</b>
121619-21A		219122541-48	No	NAD
			(Black) Under Elevated Floor Stand	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Tyr		us, Non-Fibrous, Bulk Mate	erial	
121619-21B	Location: 1st Fl. / Cor	219122541-49 nputer Room 3 - Adhesive	<b>No</b> (Black) Under Elevated Floor Stand	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Ty		us, Non-Fibrous, Bulk Mate	erial	011 12/20/19
121619-22A		219122541-50	No	NAD
121010 227	<b>Location:</b> 1st Fl. / Pay Floor Stand	ment Processing (Column	B) - Adhesive (Yellow) Under Elevated	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Ty		ous, Non-Fibrous, Bulk Ma	terial	
121619-22B		219122541-51	No	NAD
	Location: 1st Fl. / Pay Floor Stand		B) - Adhesive (Yellow) Under Elevated	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Ty		ous, Non-Fibrous, Bulk Ma	terial	
121619-23A	<u> </u>	219122541-52	No	NAD
121013 207	<b>Location:</b> 1st Fl. / Air Handler		t (Yellow) Over FG Panels Under Air	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Ty		ous, Non-Fibrous, Bulk Ma	nterial	
121619-23B		219122541-53	No	NAD
	Location: 1st Fl. / Air Handler	Conditioner (171) - Sealan	t (Yellow) Over FG Panels Under Air	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
	i <b>on:</b> Yellow, Homogene			

#### **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / HGA	1	Lab No.	Asbestos Present	Total % Asbestos
121619-24A		219122541-54	No	NAD
			) - Sealant (Black) Under Induction Ven	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Black, Homogeneous, es: ial: Non-fibrous 10.2 %	Non-Fibrous, Bulk Ma	terial	
121619-24B		219122541-55	No	NAD
	Location: 5th Fl. / Inducti	on Vent (Column D10	) - Sealant (Black) Under Induction Ven	t (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Black, Homogeneous, es: ial: Non-fibrous 8.5 %	Non-Fibrous, Bulk Ma	terial	
121619-25A		219122541-56	No	NAD
	Location: 1st Fl. / Payme	nt Processing - Windo	w Frame Caulk (Double Doors; Gray)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey, Homogeneous, I es: ial: Non-fibrous 37.1 %	Non-Fibrous, Bulk Mat	erial	
Asbestos Typ Other Mater	es: ial: Non-fibrous 37.1 %	Non-Fibrous, Bulk Mat 	erial <b>No</b>	NAD
Asbestos Typ	es: ial: Non-fibrous 37.1 %	219122541-57		NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ Other Mater  121619-25B  Analyst Descripti Asbestos Typ	es: ial: Non-fibrous 37.1 %  Location: 1st Fl. / Payme on: Grey, Homogeneous, I	219122541-57 nt Processing - Windo	<b>No</b> ow Frame Caulk (Double Doors; Gray)	(by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Typ Other Mater  121619-25B  Analyst Descripti Asbestos Typ	es: ial: Non-fibrous 37.1 %  Location: 1st Fl. / Payme on: Grey, Homogeneous, I es: ial: Non-fibrous 36.7 %	219122541-57 nt Processing - Windo Non-Fibrous, Bulk Mat 219122541-58	<b>No</b> ow Frame Caulk (Double Doors; Gray) erial	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19 e (<0.25 % pc) ²
Asbestos Typ Other Mater  121619-25B  Analyst Descripti Asbestos Typ Other Mater  121619-26A  Analyst Descripti Asbestos Typ	es: ial: Non-fibrous 37.1 %  Location: 1st Fl. / Payme on: Grey, Homogeneous, I es: ial: Non-fibrous 36.7 %	219122541-57 nt Processing - Windo Non-Fibrous, Bulk Mat 219122541-58 400 (Column A5) - Fle	No ow Frame Caulk (Double Doors; Gray) erial  Yes Trace x Duct Sealant (Red) At Induction Vent	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19 e (<0.25 % pc) ² s (EPA 400 PC) by Jared C. Clarke
Asbestos Typ Other Mater  121619-25B  Analyst Descripti Asbestos Typ Other Mater  121619-26A  Analyst Descripti Asbestos Typ	es: ial: Non-fibrous 37.1 %  Location: 1st Fl. / Payme on: Grey, Homogeneous, I es: ial: Non-fibrous 36.7 %  Location: 4th Fl. / Room on: Red, Homogeneous, N es: Chrysotile <0.25 % po ial: Non-fibrous 14.5 %	219122541-57 nt Processing - Windo Non-Fibrous, Bulk Mat 219122541-58 400 (Column A5) - Fle	No ow Frame Caulk (Double Doors; Gray) erial  Yes Track x Duct Sealant (Red) At Induction Vent	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19 e (<0.25 % pc) ² s (EPA 400 PC) by Jared C. Clarke

Other Material: Non-fibrous 14.3 %

# **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
	219122541-60 Location: Basement / Generator Room (E-76) - I		NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: OffWhite/Grey, Homogeneous, Non-Fibrous, E es: ial: Non-fibrous 10.4 %	Bulk Material	
121619-27B	219122541-61 Location: Basement / Generator Room (E-76) - I	<b>No</b> Door Frame Caulk (White)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: OffWhite/Grey, Homogeneous, Non-Fibrous, Ees: ial: Non-fibrous 23.3 %	Bulk Material	
121619-28A	219122541-62  Location: Basement / Outside Elevators - Firesto	<b>No</b> op Sealant (Red)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Red, Homogeneous, Non-Fibrous, Bulk Materes: ial: Non-fibrous 12.6 %	ial	
121619-28B	219122541-63 Location: 5th Fl. / Electrical Closet (84B) - Firest	<b>No</b> op Sealant (Red)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Red, Homogeneous, Non-Fibrous, Bulk Mater es: ial: Non-fibrous 21.9 %	ial	
121619-29A 4	219122541-64 Location: 1st Fl. / ITS Office (I3 Column) - Windo	<b>Yes</b> ow Glazing Compound	Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey, Homogeneous, Non-Fibrous, Bulk Matees: Chrysotile <0.25 % pc, Anthophyllite <0.25 ial: Fibrous Talc Trace, Non-fibrous 4.3 %		
•	219122541-65  Location: 3rd Fl. / Column A5 - Window Glazing	·	Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey, Homogeneous, Non-Fibrous, Bulk Mate es: Anthophyllite <0.25 % pc ial: Fibrous Talc Trace, Non-fibrous 5.3 %	rial	

# **PLM Bulk Asbestos Report**

Client No. / HO	GA Lab No.	Asbestos Present	Total % Asbestos
121619-29C 4	219122541-66 Location: 4th Fl. / Room 400 (Column A5) - Win		Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos 1	ption: Grey, Homogeneous, Non-Fibrous, Bulk Mate  Types: Anthophyllite <0.25 % pc  terial: Fibrous Talc Trace, Non-fibrous 5.4 %	erial	
121619-29D 4	219122541-67 Location: 6th Fl. / Column F10 - Window Glazing	<b>Yes</b> g Compound	Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos 7	ption: Grey, Homogeneous, Non-Fibrous, Bulk Mate Types: Anthophyllite <0.25 % pc terial: Fibrous Talc Trace, Non-fibrous 6.8 %	erial	
121619-30A	219122541-68 Location: Basement - CMU Mortar	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos 1	ption: Grey, Homogeneous, Non-Fibrous, Cementiti 「ypes: terial: Non-fibrous 100 %	ous, Bulk Material	
121619-30B	219122541-69 Location: Basement - CMU Mortar	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos 1	<b>ption</b> : Grey, Homogeneous, Non-Fibrous, Cementiti [ <b>ypes</b> : <b>terial</b> : Non-fibrous 100 %	ous, Bulk Material	
121619-31A	219122541-70 Location: 1st Fl. / Stairwell B - Brick Mortar	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos 1	ption: Grey, Homogeneous, Non-Fibrous, Cementiti Types: terial: Non-fibrous 100 %	ious, Bulk Material	
121619-31B	219122541-71 Location: 3rd Fl. / Stairwell C - Brick Mortar	No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
	ption: Grey, Homogeneous, Non-Fibrous, Cementiti	ious Bulk Material	

#### **PLM Bulk Asbestos Report**

	GA Lab No.	Asbestos Present	Total % Asbesto
121619-32A 5	219122541-72 Location: Ground Fl. / Service Lobby - Plaster	<b>No</b> Wall (Base Coat)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	iption: Grey, Homogeneous, Non-Fibrous, Cement Types: uterial: Non-fibrous 100 %	itious, Bulk Material	
121619-32B	219122541-73	No	NAD
5	Location: 3rd Fl. / Entrance To Women's Room	n - Plaster Wall (Base Coat)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	iption: Grey, Homogeneous, Non-Fibrous, Cement Types: nterial: Non-fibrous 100 %	itious, Bulk Material	
121619-32C	219122541-74	No	NAD
5	Location: 5th Fl. / Entrance To Women's Roon	n - Plaster Wall (Base Coat)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	iption: Grey, Homogeneous, Non-Fibrous, Cement Types: nterial: Non-fibrous 100 %	itious, Bulk Material	
121619-33A	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
12 10 13-33A	219122541-75	No	NAD
	219122541-75  Location: Ground Fl. / Service Lobby - Plaster		NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
5 Analyst Descr Asbestos	Location: Ground Fl. / Service Lobby - Plaster iption: White, Homogeneous, Non-Fibrous, Bulk M.	Wall (Skim Coat)	(by NYS ELAP 198.1) by Jared C. Clarke
5 Analyst Descr Asbestos Other Ma	Location: Ground Fl. / Service Lobby - Plaster iption: White, Homogeneous, Non-Fibrous, Bulk M. Types:	Wall (Skim Coat)	(by NYS ELAP 198.1) by Jared C. Clarke
Analyst Descr Asbestos Other Ma	Location: Ground Fl. / Service Lobby - Plaster iption: White, Homogeneous, Non-Fibrous, Bulk M. Types: sterial: Non-fibrous 100 %	Wall (Skim Coat) aterial <i>No</i>	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Analyst Descr Asbestos Other Ma 121619-33B 5 Analyst Descr Asbestos	Location: Ground Fl. / Service Lobby - Plaster iption: White, Homogeneous, Non-Fibrous, Bulk M. Types: aterial: Non-fibrous 100 %  219122541-76 Location: 3rd Fl. / Entrance To Women's Room iption: White, Homogeneous, Non-Fibrous, Bulk M.	Wall (Skim Coat) aterial  No n - Plaster Wall (Skim Coat)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke
Analyst Descr Asbestos Other Ma 121619-33B 5 Analyst Descr Asbestos Other Ma	Location: Ground Fl. / Service Lobby - Plaster iption: White, Homogeneous, Non-Fibrous, Bulk M. Types: aterial: Non-fibrous 100 %  219122541-76  Location: 3rd Fl. / Entrance To Women's Room iption: White, Homogeneous, Non-Fibrous, Bulk M. Types: aterial: Non-fibrous 100 %	Wall (Skim Coat) aterial  No n - Plaster Wall (Skim Coat) aterial	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19 NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Analyst Descr Asbestos Other Ma 121619-33B 5 Analyst Descr Asbestos	Location: Ground Fl. / Service Lobby - Plaster iption: White, Homogeneous, Non-Fibrous, Bulk M. Types: uterial: Non-fibrous 100 %  219122541-76  Location: 3rd Fl. / Entrance To Women's Room iption: White, Homogeneous, Non-Fibrous, Bulk M. Types:	Wall (Skim Coat) aterial  No n - Plaster Wall (Skim Coat) aterial	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke

#### **PLM Bulk Asbestos Report**

Client No. / HGA	\	Lab No.	Asbestos Present	Total % Asbestos
121619-34A	Location: 6th Fl. / 9	219122541-78 Stairwell B - Terrazzo Floorin	<b>No</b> g (Black)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Typ	_	neous, Non-Fibrous, Cementi %	itious, Bulk Material	
121619-34B	Location: 1st Fl. / \$	219122541-79 Stairwell B - Terrazzo Floorin	<b>No</b> g (Black)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Typ	_	eous, Non-Fibrous, Cementi %	itious, Bulk Material	
121619-35A	Location: Basemer	219122541-80 nt / Sliding Door Betw. F-Roo	<b>No</b> om / O-Room Storage - Fire Door Core	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Typ	·	omogeneous, Fibrous, Bulk N	<b>Naterial</b>	
121619-35B	Location: Basemen	219122541-81 nt / Sliding Door Betw. F-Roo	<b>No</b> om / O-Room Storage - Fire Door Core	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Typ		mogeneous, Fibrous, Bulk M Non-fibrous 10 %	<b>Naterial</b>	
121619-36A	Location: Basemer	219122541-82 nt / Network Core Room (F34	<b>No</b> I) - Joint Compound (Walls)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Typ	_	neous, Non-Fibrous, Bulk Ma %	terial	
121619-36B	Location: 4th Fl. / F	219122541-83 Room 443 (Column E8) - Joir	<b>No</b> nt Compound (Walls)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Typ	-	neous, Non-Fibrous, Bulk Ma	terial	

# **PLM Bulk Asbestos Report**

Client No. / HG/	A Lab No. Asbestos Present	Total % Asbesto
121619-37A	219122541-84 <b>No</b> Location: Basement / Network Core Room (F34) - Gypsum Board Wall	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Ty	tion: OffWhite/Brown, Homogeneous, Non-Fibrous, Bulk Material pes: rial: Cellulose 3 %, Non-fibrous 97 %	
121619-37B	219122541-85 <b>No</b> Location: 4th Fl. / Room 443 (Column E8) - Gypsum Board Wall	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Ty	tion: Grey/Brown, Heterogeneous, Fibrous, Bulk Material  pes:  erial: Cellulose 30 %, Non-fibrous 70 %	
121619-38A	219122541-86 <b>No Location:</b> Ground Fl. / Conference Room 6 - Partition Wall Gypsum Board	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Ty	tion: Grey/Brown, Homogeneous, Non-Fibrous, Bulk Material  pes:  erial: Cellulose 5 %, Non-fibrous 95 %	
121619-38B	219122541-87 <b>No Location:</b> 5th Fl. / Column I6 - Partition Wall Gypsum Board	NAD (by NYS ELAP 198.1)
		by Jared C. Clarke on 12/20/19
Asbestos Ty	tion: OffWhite/Brown, Homogeneous, Non-Fibrous, Bulk Material	•
Asbestos Ty	tion: OffWhite/Brown, Homogeneous, Non-Fibrous, Bulk Material  /pes:	•
Asbestos Ty Other Mate 121619-39A 6 Analyst Descrip Asbestos Ty	tion: OffWhite/Brown, Homogeneous, Non-Fibrous, Bulk Material pes: erial: Cellulose 3 %, Non-fibrous 97 %  219122541-88  No Location: Ground Fl. / Nurses Station (14) - Thinset To 4" CWT (Yellow)  etion: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material	on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos Ty Other Mate  121619-39A 6  Analyst Descrip Asbestos Ty	tion: OffWhite/Brown, Homogeneous, Non-Fibrous, Bulk Material pres:  erial: Cellulose 3 %, Non-fibrous 97 %  219122541-88  No  Location: Ground Fl. / Nurses Station (14) - Thinset To 4" CWT (Yellow)  etion: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material pres:	on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / HO	EA Lab	No. As	sbestos Present	Total % Asbesto
121619-40A	219122	541-90	No	NAD
7	Location: Ground Fl. / Nurses Stat		ut To 4" CWT (Yellow)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	ption: White, Homogeneous, Non-Fibr ypes: terial: Non-fibrous 100 %	rous, Bulk Material		
121619-40B	219122	541-91	No	NAD
7	Location: Ground Fl. / Nurses State	tion (14) - Seam Gro	ut To 4" CWT (Yellow)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos 7	ption: White, Homogeneous, Non-Fibr ypes: terial: Non-fibrous 100 %	rous, Bulk Material		
121619-41A	219122	541-92	No	NAD
7	Location: Ground Fl. / Nurses State	tion (14) - 4" CWT (Y	'ellow)	(by NYS ELAP 198.1) by Jared C. Clarke
				on 12/20/19
Asbestos 1	ption: Yellow, Homogeneous, Non-Fib ypes: terial: Non-fibrous 100 %	prous, Cementitious,	Bulk Material	•
Asbestos 1 Other Ma	ypes:		Bulk Material  No	on 12/20/19 NAD
Asbestos 1	ypes: terial: Non-fibrous 100 %	541-93	No	on 12/20/19
Asbestos 1 Other Ma  121619-41B 7  Analyst Descri	types: terial: Non-fibrous 100 %  219122 Location: Ground Fl. / Nurses Star ption: Yellow, Homogeneous, Non-Fib	541-93 tion (14) - 4" CWT (Y	<b>No</b> 'ellow)	NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos 1 Other Ma  121619-41B  7  Analyst Descri Asbestos 1 Other Ma	terial: Non-fibrous 100 %  219122  Location: Ground Fl. / Nurses Star  ption: Yellow, Homogeneous, Non-Fibropes: terial: Non-fibrous 100 %	541-93 tion (14) - 4" CWT (Y prous, Cementitious, 541-94	No 'ellow) Bulk Material	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos 1 Other Ma  121619-41B 7  Analyst Descri	terial: Non-fibrous 100 %  219122  Location: Ground Fl. / Nurses Star  ption: Yellow, Homogeneous, Non-Fibropes: terial: Non-fibrous 100 %	541-93 tion (14) - 4" CWT (Y prous, Cementitious, 541-94	No 'ellow) Bulk Material	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos 1 Other Ma  121619-41B 7  Analyst Descri Asbestos 1 Other Ma  121619-42A 8  Analyst Descri Asbestos 1	terial: Non-fibrous 100 %  219122 Location: Ground Fl. / Nurses Star  ption: Yellow, Homogeneous, Non-Fibropes: terial: Non-fibrous 100 %  219122 Location: Ground Fl. / Nurses Offi  ption: Black/Brown, Homogeneous, N	541-93 tion (14) - 4" CWT (Yorous, Cementitious, 541-94 ce Bathroom (14) - 1	No  Yellow)  Bulk Material  No  Thinset To 1" CWT (Light Brown)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos 1 Other Ma  121619-41B 7  Analyst Descri Asbestos 1 Other Ma  121619-42A 8  Analyst Descri Asbestos 1	terial: Non-fibrous 100 %  219122 Location: Ground Fl. / Nurses Star  ption: Yellow, Homogeneous, Non-Fibropes: terial: Non-fibrous 100 %  219122 Location: Ground Fl. / Nurses Offi  ption: Black/Brown, Homogeneous, Non-Fibropes:	541-93 tion (14) - 4" CWT (Yorous, Cementitious, 541-94 ce Bathroom (14) - 1	No  Yellow)  Bulk Material  No Thinset To 1" CWT (Light Brown)  terial  No	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  NAD

Other Material: Non-fibrous 16.8 %

#### **PLM Bulk Asbestos Report**

Client No. / HO	A Lab No.	Asbestos Present	Total % Asbesto
121619-43A 8	219122541-96 Location: Ground Fl. / Nurses Office Bathroom (1	No 14) - Seam Grout To 1" CWT (Light	NAD (by NYS ELAP 198.1)
	Brown)		by Jared C. Clarke on 12/20/19
Asbestos T	vtion: Grey, Homogeneous, Non-Fibrous, Cementitic ypes: erial: Non-fibrous 100 %	ous, Bulk Material	
121619-43B	219122541-97	No	NAD
8	Location: Ground Fl. / Nurses Office Bathroom (1 Brown)	14) - Seam Grout To 1" CWT (Light	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Grey, Homogeneous, Non-Fibrous, Cementitic ypes: erial: Non-fibrous 100 %	ous, Bulk Material	
121619-44A	219122541-98	No	NAD
8	Location: Ground Fl. / Nurses Office Bathroom (1	14) - 1" CWT (Light Brown)	(by NYS ELAP 198.1) by Jared C. Clarke
			on 12/20/19
Asbestos T	otion: Tan, Homogeneous, Non-Fibrous, Cementitiou ypes: erial: Non-fibrous 100 %	us, Bulk Material	and the second s
Asbestos T Other Ma	ypes: erial: Non-fibrous 100 % 219122541-99	No	NAD
Asbestos T Other Mat 121619-44B	ypes: erial: Non-fibrous 100 %	No	and the second s
Asbestos T Other Mat  121619-44B  8  Analyst Descri	ypes: erial: Non-fibrous 100 %  219122541-99  Location: Ground Fl. / Nurses Office Bathroom (1	<b>No</b> 14) - 1" CWT (Light Brown)	NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos T Other Mat  121619-44B  8  Analyst Descri Asbestos T Other Mat	ypes: erial: Non-fibrous 100 %  219122541-99  Location: Ground Fl. / Nurses Office Bathroom (1) etion: Tan, Homogeneous, Non-Fibrous, Cementition ypes: erial: Non-fibrous 100 %	<b>No</b> I4) - 1" CWT (Light Brown) us, Bulk Material	NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos T Other Mat 121619-44B 8 Analyst Descri Asbestos T Other Mat 121619-45A	ypes: erial: Non-fibrous 100 %  219122541-99  Location: Ground Fl. / Nurses Office Bathroom (1) etion: Tan, Homogeneous, Non-Fibrous, Cementition ypes: erial: Non-fibrous 100 %  219122541-100  Location: Basement / Men's Bathroom - Thinset	No 14) - 1" CWT (Light Brown) us, Bulk Material  No To 1" CWT (White)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T Other Mat  121619-44B  8  Analyst Descri Asbestos T Other Mat  121619-45A  9  Analyst Descri Asbestos T	ypes: erial: Non-fibrous 100 %  219122541-99  Location: Ground FI. / Nurses Office Bathroom (1 otion: Tan, Homogeneous, Non-Fibrous, Cementition ypes: erial: Non-fibrous 100 %  219122541-100  Location: Basement / Men's Bathroom - Thinset	No 14) - 1" CWT (Light Brown) us, Bulk Material  No To 1" CWT (White)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos T Other Mat  121619-44B  8  Analyst Descri Asbestos T Other Mat  121619-45A  9  Analyst Descri Asbestos T Other Mat	ypes: erial: Non-fibrous 100 %  219122541-99  Location: Ground Fl. / Nurses Office Bathroom (1  ption: Tan, Homogeneous, Non-Fibrous, Cementition ypes: erial: Non-fibrous 100 %  219122541-100  Location: Basement / Men's Bathroom - Thinset  ption: Grey, Homogeneous, Non-Fibrous, Cementition ypes: erial: Non-fibrous 100 %	No 14) - 1" CWT (Light Brown) us, Bulk Material  No To 1" CWT (White)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos T Other Mat  121619-44B  8  Analyst Descri Asbestos T Other Mat  121619-45A  9  Analyst Descri Asbestos T	ypes: erial: Non-fibrous 100 %  219122541-99  Location: Ground Fl. / Nurses Office Bathroom (1  ption: Tan, Homogeneous, Non-Fibrous, Cementition ypes: erial: Non-fibrous 100 %  219122541-100  Location: Basement / Men's Bathroom - Thinset  ption: Grey, Homogeneous, Non-Fibrous, Cementition ypes:	No 14) - 1" CWT (Light Brown) us, Bulk Material  No To 1" CWT (White)  ous, Bulk Material	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19

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Client Name: CHA Consulting, Inc.

## **PLM Bulk Asbestos Report**

Client No. / H	GA Lab No.	<b>Asbestos Present</b>	Total % Asbestos
121619-46A	219122541-102	No	NAD
9	Location: 2nd Fl. / Men's Bathroom - Seam Grout		(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	ption: OffWhite, Homogeneous, Non-Fibrous, Bulk M Types: Iterial: Non-fibrous 100 %	aterial	
121619-46B	219122541-103	No	NAD
9	Location: 3rd Fl. / Men's Bathroom - Seam Grout		(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	ption: OffWhite, Homogeneous, Non-Fibrous, Bulk Ma Types: terial: Non-fibrous 100 %	aterial	
121619-47A	219122541-104	No	NAD
9	Location: 3rd Fl. / Men's Bathroom - 1" CWT (Wh	ite)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	ption: White, Homogeneous, Non-Fibrous, Cementition [ypes: terial: Non-fibrous 100 %	ous, Bulk Material	
121619-47B	219122541-105	No	NAD
9	Location: 5th Fl. / Men's Bathroom - 1" CWT (Whi	ite)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	ption: White, Homogeneous, Non-Fibrous, Cementition [vpes: terial: Non-fibrous 100 %	ous, Bulk Material	
	219122541-106	No	NAD
121619-48A	219122541-100		1 17 12
10	Location: 3rd Fl. / Janitors Closet - Thinset To 2"	-	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
10 Analyst Descri	Location: 3rd Fl. / Janitors Closet - Thinset To 2" I	-	(by NYS ELAP 198.1) by Jared C. Clarke
Analyst Descri Asbestos T Other Ma	Location: 3rd Fl. / Janitors Closet - Thinset To 2" I  ption: Grey, Homogeneous, Non-Fibrous, Cementition  [ypes: terial: Non-fibrous 100 %	us, Bulk Material	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos	Location: 3rd Fl. / Janitors Closet - Thinset To 2" I  ption: Grey, Homogeneous, Non-Fibrous, Cementition  Types:	us, Bulk Material	(by NYS ELAP 198.1) by Jared C. Clarke

#### **PLM Bulk Asbestos Report**

	SA Lab No. As	bestos Present	Total % Asbesto
121619-49A 11	219122541-108  Location: 3rd Fl. / Janitors Closet - Seam Grout To 2" H	<b>No</b> lexagonal CFT	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Grey, Homogeneous, Non-Fibrous, Cementitious, Buypes: erial: Non-fibrous 100 %	lk Material	
121619-49B 11	219122541-109  Location: 7th Fl. / Janitors Closet - Seam Grout To 2" H	<b>No</b> exagonal CFT	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Grey, Homogeneous, Non-Fibrous, Cementitious, Bu ypes: erial: Non-fibrous 100 %	lk Material	
121619-50A	219122541-110	No	NAD
11	Location: 3rd Fl. / Janitors Closet - 2" Hexagonal CFT		(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	otion: OffWhite, Homogeneous, Non-Fibrous, Cementitious ypes: erial: Non-fibrous 100 %	, Bulk Material	
121619-50B	219122541-111	No	NAD
11		740	(by NYS ELAP 198.1)
11	Location: 7th Fl. / Janitors Closet - 2" Hexagonal CFT	No	(by NYS ELAP 198.1) by Jared C. Clarke
Analyst Descri _l Asbestos T	Location: 7th Fl. / Janitors Closet - 2" Hexagonal CFT  otion: OffWhite, Homogeneous, Non-Fibrous, Cementitious		(by NYS ELAP 198.1)
Analyst Descrip Asbestos T Other Mat	Location: 7th Fl. / Janitors Closet - 2" Hexagonal CFT otion: OffWhite, Homogeneous, Non-Fibrous, Cementitious ypes: erial: Non-fibrous 100 %		(by NYS ELAP 198.1) by Jared C. Clarke
Analyst Descri Asbestos T Other Mat 121619-51A	Location: 7th Fl. / Janitors Closet - 2" Hexagonal CFT otion: OffWhite, Homogeneous, Non-Fibrous, Cementitious ypes: erial: Non-fibrous 100 %  219122541-112  Location: 1st Fl. / Computer Room 3 - Vinyl Covering O	, Bulk Material <b>No</b> n Partition Wall	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Analyst Descrip Asbestos T Other Mat 121619-51A  Analyst Descrip Asbestos T	Location: 7th Fl. / Janitors Closet - 2" Hexagonal CFT  otion: OffWhite, Homogeneous, Non-Fibrous, Cementitious ypes: erial: Non-fibrous 100 %  219122541-112  Location: 1st Fl. / Computer Room 3 - Vinyl Covering O	, Bulk Material <b>No</b> n Partition Wall	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke
Analyst Descrip Asbestos T Other Mat 121619-51A  Analyst Descrip Asbestos T	Location: 7th Fl. / Janitors Closet - 2" Hexagonal CFT  otion: OffWhite, Homogeneous, Non-Fibrous, Cementitious ypes: erial: Non-fibrous 100 %  219122541-112  Location: 1st Fl. / Computer Room 3 - Vinyl Covering O  otion: White/Brown, Homogeneous, Non-Fibrous, Bulk Mateypes:	No n Partition Wall erial	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke

#### **PLM Bulk Asbestos Report**

Client No. / HGA	,	Lab No.	Asbestos Present	Total % Asbesto
121619-52A	219	9122541-114	No	NAD
ı			nite) W/ Adhesive (Yellow) "Physically e Composited For Analysis"	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Type	on: White/Yellow, Heterogenees: al: Non-fibrous 14.3 %	eous, Non-Fibrous, B	ulk Material	
121619-52B	219	122541-115	No	NAD
1			nite) W/ Adhesive (Yellow) "Physically e Composited For Analysis"	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Type	on: White/Yellow, Homogene es: al: Non-fibrous 15 %	ous, Non-Fibrous, Bu	ılk Material	
121619-53A	219	9122541-116	No	NAD
	Location: Ground Fl. / Nurse (Yellow)	es Office Bathroom (1	4) - Mesh Wallpaper W/ Adhesive	(by NYS ELAP 198.6) by Jared C. Clarke
				on 12/20/19
Asbestos Type	on: OffWhite, Homogeneous, es: al: Non-fibrous 18.9 %	Non-Fibrous, Bulk M	laterial	
Asbestos Type Other Materi 121619-53B	es: al: Non-fibrous 18.9 %	9122541-117	No	NAD
Asbestos Type Other Materi 121619-53B	es: al: Non-fibrous 18.9 %	9122541-117		
Asbestos Type Other Materi  121619-53B  Analyst Description Asbestos Type	es: al: Non-fibrous 18.9 %  219  Location: Ground Fl. / Nurse (Yellow)  on: OffWhite, Homogeneous,	9122541-117 es Office Bathroom (1	<b>No</b> 4) - Mesh Wallpaper W/ Adhesive	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Type Other Materi  121619-53B  Analyst Description Asbestos Type Other Materi	es: al: Non-fibrous 18.9 %  219  Location: Ground Fl. / Nurse (Yellow)  on: OffWhite, Homogeneous, es: al: Non-fibrous 22.6 %	9122541-117 es Office Bathroom (1	<b>No</b> 4) - Mesh Wallpaper W/ Adhesive	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Type Other Materi  121619-53B  Analyst Descriptic Asbestos Type Other Materi  121619-54A	al: Non-fibrous 18.9 %  219  Location: Ground Fl. / Nurse (Yellow)  on: OffWhite, Homogeneous, as: al: Non-fibrous 22.6 %  219  Location: Basement / Netwo	9122541-117 es Office Bathroom (1 Non-Fibrous, Bulk M 9122541-118 ork Core Room (F34)	No 4) - Mesh Wallpaper W/ Adhesive laterial  No - Stair Tread (Maroon)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Type Other Materi  121619-53B  Analyst Description Asbestos Type Other Materi  121619-54A	al: Non-fibrous 18.9 %  219  Location: Ground Fl. / Nurse (Yellow)  on: OffWhite, Homogeneous, es: al: Non-fibrous 22.6 %  219  Location: Basement / Netwo	9122541-117 es Office Bathroom (1 Non-Fibrous, Bulk M 9122541-118 ork Core Room (F34)	No 4) - Mesh Wallpaper W/ Adhesive laterial  No - Stair Tread (Maroon)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Type Other Materi  121619-53B  Analyst Description Asbestos Type Other Materi  121619-54A  Analyst Description Asbestos Type Other Materi	al: Non-fibrous 18.9 %  219  Location: Ground Fl. / Nurse (Yellow)  on: OffWhite, Homogeneous, es: al: Non-fibrous 22.6 %  219  Location: Basement / Netwo	0122541-117 es Office Bathroom (1 Non-Fibrous, Bulk M 0122541-118 ork Core Room (F34) Non-Fibrous, Bulk Ma	No 4) - Mesh Wallpaper W/ Adhesive laterial  No - Stair Tread (Maroon)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Type Other Materi  121619-53B  Analyst Description Asbestos Type Other Materi  121619-54A  Analyst Description Asbestos Type Other Materi  121619-54B	al: Non-fibrous 18.9 %  219  Location: Ground Fl. / Nurse (Yellow)  on: OffWhite, Homogeneous, es: al: Non-fibrous 22.6 %  219  Location: Basement / Netwo	0122541-117 Pes Office Bathroom (1  Non-Fibrous, Bulk M  0122541-118 Pork Core Room (F34)  Non-Fibrous, Bulk Ma	No 4) - Mesh Wallpaper W/ Adhesive laterial  No - Stair Tread (Maroon)  terial	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke

## **PLM Bulk Asbestos Report**

101010 554	<b>GA</b>	Lab No.	Asbestos Present	Total % Asbesto
121619-55A		219122541-120	No	NAD
12	F	st Fl. / Ramp Into Programming & A Tooring (Black)		(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T		Homogeneous, Non-Fibrous, Bulk Moous 1.2 %	aterial	
121619-55B		219122541-121	No	NAD
12		and Fl. / Ramp Into Programming & A Flooring (Black)	Analytics - Mastic (Yellow) To Vinyl	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T		Homogeneous, Non-Fibrous, Bulk M ous 18.9 %	aterial	
121619-56A		219122541-122	No	NAD
12 10 19-30A 12	Location: 1	st Fl. / Ramp Into Programming & A		(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T		omogeneous, Non-Fibrous, Bulk Ma	terial	
121619-56B		219122541-123	No	NAD
12	Location: 1	st Fl. / Ramp Into Programming & A	nalytics - Vinyl Flooring (Black)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
		omogeneous, Non-Fibrous, Bulk Ma	terial	
Asbestos 7	Гуреs: iterial: Non-fibro	ous 1.1 %		
Asbestos 7 Other Ma		ous 1.1 % 219122541-124	No	NAD
Asbestos 7	Location: 2	219122541-124	<b>No</b> room - Mastic (Yellow / Brown) To Vinyl	
Asbestos T Other Ma 121619-57A 13 Analyst Descri	Location: 2	219122541-124 2nd Fl. / Entrance To Women's Bath Wall Corner Guard (Black) Homogeneous, Non-Fibrous, Bulk M	room - Mastic (Yellow / Brown) To Vinyl	(by NYS ELAP 198.6) by Jared C. Clarke
Asbestos T Other Ma 121619-57A 13 Analyst Descri	Location: 2  iption: Yellow, I Types: uterial: Non-fibro	219122541-124 2nd Fl. / Entrance To Women's Bathi Wall Corner Guard (Black) Homogeneous, Non-Fibrous, Bulk M ous 0.6 % 219122541-125	room - Mastic (Yellow / Brown) To Vinyl laterial	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T Other Ma 121619-57A 13 Analyst Descri Asbestos T Other Ma	Location: 2  iption: Yellow, I Types: uterial: Non-fibre Location: 4	219122541-124 2nd Fl. / Entrance To Women's Bathi Wall Corner Guard (Black) Homogeneous, Non-Fibrous, Bulk M ous 0.6 % 219122541-125	room - Mastic (Yellow / Brown) To Vinyl laterial	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19

## **PLM Bulk Asbestos Report**

Client No. / H	GA Lab	No.	Asbestos Present	Total % Asbesto
121619-58A	219122	2541-126	No	NAD
13	Location: 2nd Fl. / Entrance To V		- Vinyl Wall Corner Guard (Black)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ption: Black, Homogeneous, Non-Fib [ypes: terial: Non-fibrous 2.6 %	orous, Bulk Material		
121619-58B	219122	2541-127	No	NAD
13	Location: 4th Fl. / Elevator Lobby		omer Guard (Black)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ption: Black, Homogeneous, Non-Fib fypes: terial: Non-fibrous 2.8 %	orous, Bulk Material		
121619-59A	219122	2541-128	No	NAD
14	Location: Basement / Network Co (Maroon)	ore Room (F34) - M	astic (Yellow) To 4" Cove Base	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ption: Yellow, Homogeneous, Non-Fi Types: terial: Non-fibrous 60.1 %	ibrous, Bulk Materia	l	
121619-59B	219122	2541-129	No	NAD
14	Location: Basement / Network Co (Maroon)	ore Room (F34) - M	astic (Yellow) To 4" Cove Base	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ption: Yellow, Homogeneous, Non-Fi l'ypes: terial: Non-fibrous 60.9 %	ibrous, Bulk Materia	d	
121619-60A	219122	2541-130	No	NAD
14	Location: Basement / Network Co	ore Room (F34) - 4'	' Cove Base (Maroon)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ption: Brown, Homogeneous, Non-Fi lypes: terial: Non-fibrous 5.9 %	brous, Bulk Materia		
121619-60B	219122	2541-131	No	NAD
14	Location: Basement / Network C	ore Room (F34) - 4	' Cove Base (Maroon)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
•	ption: Brown, Homogeneous, Non-Fi	ibrous, Bulk Materia	l	

# **PLM Bulk Asbestos Report**

Client No. / HG	A Lai	b No.	Asbestos Present	Total % Asbesto
121619-61A 15	Location: 1st Fl. / Computer Ro			NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T	tion: Yellow, Homogeneous, Non-l /pes: erial: Non-fibrous 29.7 %	Fibrous, Bulk Ma	aterial	
121619-61B 15	21912 Location: 1st Fl. / Computer Ro	2541-133 om 3 - Mastic (\	<b>No</b> (ellow) To 4" Cove Base (Brown)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T	tion: Yellow, Homogeneous, Non-i /pes: erial: Non-fibrous 59.1 %	Fibrous, Bulk M	aterial	
121619-62A	21912	2541-134	No	NAD
15	Location: 1st Fl. / Computer Ro	om 3 - 4" Cove	Base (Brown)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T	tion: Brown, Homogeneous, Non-l /pes: erial: Non-fibrous 3.3 %	Fibrous, Bulk Ma	aterial	
121619-62B	21912	2541-135	No	NAD
15	Location: 1st Fl. / Computer Ro	om 3 - 4" Cove	Base (Brown)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Brown, Homogeneous, Non-l ppes: erial: Non-fibrous 1.9 %	Fibrous, Bulk Ma	aterial	
121619-63A	21912	2541-136	No	NAD
16	Location: 2nd Fl. / Room 226 -	Mastic (Brown)	To 4" Cove Base (Black)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Brown, Homogeneous, Non-l ypes: erial: Non-fibrous 51.2 %	Fibrous, Bulk M	aterial	
121619-63B 16	—	2541-137 by (16) - Mastic	<b>No</b> (Brown) To 4" Cove Base (Black)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos 1	otion: Brown, Homogeneous, Non- ypes: erial: Non-fibrous 43.8 %	Fibrous, Bulk M	aterial	

# **PLM Bulk Asbestos Report**

Client No. / H	GA Lak	No.	Asbestos Present	Total % Asbesto
121619-64A 16		2541-138 I" Cove Base (Blac	<b>No</b>	NAD (by NYS ELAP 198.6)
				by Jared C. Clarke on 12/20/19
Asbestos	iption: Black, Homogeneous, Non-Fi Types: iterial: Non-fibrous 53.5 %	brous, Bulk Materia		
121619-64B	21912	2541-139	No	NAD
16	Location: 7th Fl. / Elevator Lobb			(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	iption: Black, Homogeneous, Non-Fi Types: aterial: Non-fibrous 49.4 %	brous, Bulk Materia	al	
121619-65A	21912	2541-140	No	NAD
121619-65A 17	Location: 6th Fl. / Room 647 (Co	-		(by NYS ELAP 198.6) by Jared C. Clarke
				on 12/20/19
Asbestos	iption: Yellow, Homogeneous, Non-F Types: aterial: Non-fibrous 27 %	Fibrous, Bulk Mater	ial	on 12/20/19
Asbestos Other Ma	Types: aterial: Non-fibrous 27 %	2541-141	No	NAD
Asbestos Other Ma 121619-65B	Types: aterial: Non-fibrous 27 %	2541-141		
Asbestos Other Ma  121619-65B 17  Analyst Descr	Types: aterial: Non-fibrous 27 %  21912  Location: 6th Fl. / Room 647 (Continuous Yellow, Homogeneous, Non-Fibrops)	2541-141 olumn G6) - Mastic	<b>No</b> (Yellow) To 4" Cove Base (Gray)	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-65B  17  Analyst Description Asbestos Other Ma	Types: aterial: Non-fibrous 27 %  21912: Location: 6th Fl. / Room 647 (Continuous) iption: Yellow, Homogeneous, Non-Fitypes: aterial: Non-fibrous 28.4 %	2541-141 olumn G6) - Mastic	<b>No</b> (Yellow) To 4" Cove Base (Gray)	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-65B  17  Analyst Description Asbestos Other Ma	Types: aterial: Non-fibrous 27 %  21912: Location: 6th Fl. / Room 647 (Continuous) iption: Yellow, Homogeneous, Non-Fitypes: aterial: Non-fibrous 28.4 %	2541-141 olumn G6) - Mastic Fibrous, Bulk Mater 2541-142	No (Yellow) To 4" Cove Base (Gray) ial	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Other Ma  121619-65B 17  Analyst Descr Asbestos Other Ma  121619-66A 17  Analyst Descr Asbestos	Types: aterial: Non-fibrous 27 %  21912: Location: 6th Fl. / Room 647 (Continuous Yellow, Homogeneous, Non-fitypes: aterial: Non-fibrous 28.4 %  21912 Location: 6th Fl. / Room 647 (Continuous Yellow)  iption: Grey, Homogeneous, Non-Filesterial: Non-Filesterial	2541-141 olumn G6) - Mastic Fibrous, Bulk Mater 2541-142 olumn G6) - 4" Cov	No (Yellow) To 4" Cove Base (Gray) ial  No e Base (Gray)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma 121619-65B 17  Analyst Descr Asbestos Other Ma 121619-66A 17  Analyst Descr Asbestos Other Ma	Types: aterial: Non-fibrous 27 %  21912: Location: 6th Fl. / Room 647 (Continuous) iption: Yellow, Homogeneous, Non-fitypes: aterial: Non-fibrous 28.4 %  21912 Location: 6th Fl. / Room 647 (Continuous) iption: Grey, Homogeneous, Non-Filitypes: aterial: Non-fibrous 1.9 %	2541-141 olumn G6) - Mastic Fibrous, Bulk Mater 2541-142 olumn G6) - 4" Cov	No (Yellow) To 4" Cove Base (Gray) ial  No e Base (Gray)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-65B 17  Analyst Descr Asbestos Other Ma  121619-66A 17  Analyst Descr Asbestos	Types: aterial: Non-fibrous 27 %  21912: Location: 6th Fl. / Room 647 (Continuous) iption: Yellow, Homogeneous, Non-fitypes: aterial: Non-fibrous 28.4 %  21912 Location: 6th Fl. / Room 647 (Continuous) iption: Grey, Homogeneous, Non-Filitypes: aterial: Non-fibrous 1.9 %	2541-141 olumn G6) - Mastic Fibrous, Bulk Mater  2541-142 olumn G6) - 4" Cov brous, Bulk Materia	No (Yellow) To 4" Cove Base (Gray) ial  No e Base (Gray)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / H	GA	Lab No.	Asbestos Present	Total % Asbesto
121619-67A 18		219122541-144 Room 354 - Mastic (Black) To		Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos	iption: Black, Homogen Types: Chrysotile <0.25 aterial: Non-fibrous 27.3		terial	
121619-67B		219122541-145	Yes	Trace (<0.25 % pc) ²
18	Location: 4th Fl. / h	Kitchenette (440) - Mastic (Bl	ack) To 9" x 9" FT (Tan)	(EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos	iption: Black, Homogen Types: Chrysotile <0.25 aterial: Non-fibrous 31.3		terial	
121619-68A		219122541-146	Yes	2.3 %
18	Location: Ground F	Fl. / Tax Analytics (70) - Mast	ic (Black) To 9" x 9" FT (Olive)	(by NYS ELAP 198.6) by Jared C. Clarke
				on 12/20/19
Asbestos	ription: Black, Homogen Types: Chrysotile 2.2 % aterial: Non-fibrous 17.4		terial	-
Asbestos Other M	Types: Chrysotile 2.2 %	6	terial	-
Asbestos Other M 121619-68B	Types: Chrysotile 2.2 % aterial: Non-fibrous 17.4	219122541-147	nroom - Mastic (Black) To 9" x 9	on 12/20/19 NA/PS
Asbestos Other M 121619-68B 18	Types: Chrysotile 2.2 % aterial: Non-fibrous 17.4  Location: 2nd Fl. / (Olive)  ription: Bulk Material Types:	219122541-147		on 12/20/19 NA/PS
Asbestos Other Ma 121619-68B 18 Analyst Description Asbestos Other Ma	Types: Chrysotile 2.2 % aterial: Non-fibrous 17.4  Location: 2nd Fl. / (Olive)  ription: Bulk Material Types:	219122541-147		on 12/20/19 NA/PS
Asbestos Other Ma  121619-68B  18  Analyst Desci	Types: Chrysotile 2.2 % aterial: Non-fibrous 17.4  Location: 2nd Fl. / (Olive)  ription: Bulk Material Types: aterial:	6 1 % 219122541-147 Room Adj. To Women's Batt	nroom - Mastic (Black) To 9" x 9	on 12/20/19  NA/PS 'FT
Asbestos Other M  121619-68B  18  Analyst Desci Asbestos Other M  121619-69A	Types: Chrysotile 2.2 % aterial: Non-fibrous 17.4  Location: 2nd Fl. / (Olive)  ription: Bulk Material Types: aterial:  Location: Ground I	219122541-147 Room Adj. To Women's Batt	nroom - Mastic (Black) To 9" x 9	on 12/20/19  NA/PS 'FT
Asbestos Other M  121619-68B  18  Analyst Desci Asbestos Other M  121619-69A  18  Analyst Desci Asbestos	Types: Chrysotile 2.2 % aterial: Non-fibrous 17.4  Location: 2nd Fl. / (Olive)  ription: Bulk Material Types: aterial:  Location: Ground I  ription: Bulk Material Types: aterial:	219122541-147 Room Adj. To Women's Bath 219122541-148 Fl. / Room 75A - Mastic (Black)	nroom - Mastic (Black) To 9" x 9	on 12/20/19  NA/PS  NA/PS

Other Material:

## **PLM Bulk Asbestos Report**

Client No. / H	GA Lai	b No.	<b>Asbestos Present</b>	Total % Asbestos
121619-70A	21912	2541-150		NA/PS
18	Location: 4th Fl. / Entrance To F	Room 458 - 9" >	9" FT (Light Brown)	
Analyst Descr Asbestos Other Ma				
121619-70B	21912	2541-151		NA/PS
18	Location: 4th Fl. / Entrance To F	Room 458 - 9" >	9" FT (Light Brown)	
Analyst Descr Asbestos Other Ma				
121619-71A	21912	2541-152		NA/PS
18	Location: 3rd Fl. / Room 354 - 9	)" x 9" FT (Tan \	N/ White Swirl)	
Analyst Desci Asbestos Other M	<del></del>			
121619-71B		2541-153		NA/PS
18	Location: 4th Fl. / Kitchenette (4	l40) - 9" x 9" FT	(Tan W/ White Swirl)	
Analyst Desci Asbestos Other M	* -			
121619-72A	21912	2541-154		NA/PS
18	Location: Ground Fl. / Tax Anal	ytics (70) - 9" x	9" FT (Olive W/ White Swirl)	
Analyst Desci Asbestos Other M				
121619-72B		2541-155		NA/PS
18	<b>Location:</b> 2nd Fl. / Room Adj. To Swirl)	o Women's Bat	hroom - 9" x 9" FT (Olive W/ White	
Analyst Desc Asbestos Other M				

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / H	IGA La	ab No.	Asbestos Present	Total % Asbesto
121619-73A 18	2191 Location: Ground Fl. / Room 7	22541-156 '5A - 9" x 9" FT (Bla	ack)	NA/PS
Analyst Desc Asbestos Other M				
121619-73B	2191			NA/PS
18	Location: Ground Fl. / Returns	& Processing (35)	- 9" x 9" FT (Black)	
Analyst Desci Asbestos Other M				
121619-74A	2191	22541-158	No	NAD
19	<b>Location:</b> 1st Fl. / Room Adj. T (Blue W/ White Swir		n - Mastic (Black) To 12" x 12" FT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ription: Black, Homogeneous, Non- Types: aterial: Non-fibrous 3.8 %	Fibrous, Bulk Mate	rial	
121619-74B	2191	22541-159	No	NAD
19	<b>Location:</b> 1st Fl. / Room Adj. T (Blue W/ White Swir		n - Mastic (Black) To 12" x 12" FT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ription: Black, Homogeneous, Non- Types: aterial: Non-fibrous 1.8 %	Fibrous, Bulk Mate	ial	
121619-75A	2191	22541-160	No	NAD
19	Location: 1st Fl. / Room Adj. T	o Security Check-li	n - 12" x 12" FT (Blue W/ White Swirl)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	ri <b>ption</b> : Blue, Homogeneous, Non-F <b>Types:</b> aterial: Non-fibrous 2.9 %	ibrous, Bulk Materi	al	
121619-75B	2191	22541-161	No	NAD
19	Location: 1st Fl. / Room Adj. T	o Security Check-li	า - 12" x 12" FT (Blue W/ White Swirl)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19

**Asbestos Types:** 

Other Material: Non-fibrous 6.1 %

Analyst Description: Blue, Homogeneous, Non-Fibrous, Bulk Material

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / H	GA	Lab No.	Asbestos Present	Total % Asbesto
121619-76A		219122541-162	No	NAD
20		und Fl. / Internal Affairs (75) - Ma pled)	stic (Yellow) To 12" x 12" FT (Blue	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	•	nogeneous, Non-Fibrous, Bulk Ma	aterial	
121619-76B		219122541-163	No	NAD
20		und Fl. / Internal Affairs (75) - Mas oled)	stic (Yellow) To 12" x 12" FT (Blue	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos	•	nogeneous, Non-Fibrous, Bulk Ma	aterial	
121619-77A		219122541-164	No	NAD
20	Location: Gro	und Fl. / Internal Affairs (75) - 12"	x 12" FT (Blue Marbled)	(by NYS ELAP 198.6) by Jared C. Clarke
Amalum A Dagam	intion. Divo llono	renegue Non Eibreug Dulk Mete	aria!	on 12/20/19
Asbestos Other Ma	•			on 12/20/19
Asbestos Other Ma	Types: aterial: Non-fibrous	42.1 % 219122541-165	No	on 12/20/19 NAD
Asbestos	Types: aterial: Non-fibrous	42.1 %	No	on 12/20/19
Asbestos Other Ma  121619-77B  20  Analyst Descr	Types: aterial: Non-fibrous  Location: Ground Street Groun	42.1 %  219122541-165  und Fl. / Internal Affairs (75) - 12"  geneous, Non-Fibrous, Bulk Mate	<b>No</b> x 12" FT (Blue Marbled)	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-77B  20  Analyst Descr Asbestos Other Ma	Types: aterial: Non-fibrous  Location: Ground interior: Blue, Homo Types:	42.1 %  219122541-165  und Fl. / Internal Affairs (75) - 12"  geneous, Non-Fibrous, Bulk Mate	<b>No</b> x 12" FT (Blue Marbled) erial	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-77B  20  Analyst Descr	Types: aterial: Non-fibrous  Location: Ground iption: Blue, Homo Types: aterial: Non-fibrous  Location: 4th	42.1 %  219122541-165  und Fl. / Internal Affairs (75) - 12"  geneous, Non-Fibrous, Bulk Mate  27.4 %  219122541-166	<b>No</b> x 12" FT (Blue Marbled) erial	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Other Ma  121619-77B 20  Analyst Descr Asbestos Other Ma  121619-78A 21  Analyst Descr Asbestos	Types: aterial: Non-fibrous  Location: Groun iption: Blue, Homo Types: aterial: Non-fibrous  Location: 4th I	219122541-165 und Fl. / Internal Affairs (75) - 12" geneous, Non-Fibrous, Bulk Mate 27.4 % 219122541-166 Fl. / Outside Men's Bathroom - Mate bled) ogeneous, Non-Fibrous, Bulk Mate <0.25 % pc	No x 12" FT (Blue Marbled) erial  Yes Trace estic (Black) To 12" x 12" FT (Off-White	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  a (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke
Asbestos Other Ma  121619-77B  20  Analyst Descr Asbestos Other Ma  121619-78A  21  Analyst Descr Asbestos	Types: aterial: Non-fibrous  Location: Grous iption: Blue, Homo Types: aterial: Non-fibrous  Location: 4th I Mari iption: Black, Hom Types: Chrysotile aterial: Non-fibrous	219122541-165 und Fl. / Internal Affairs (75) - 12" geneous, Non-Fibrous, Bulk Mate 27.4 %  219122541-166 Fl. / Outside Men's Bathroom - Mate oled) ogeneous, Non-Fibrous, Bulk Mate <0.25 % pc 9 %  219122541-167	No x 12" FT (Blue Marbled) erial  Yes Trace estic (Black) To 12" x 12" FT (Off-White	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19  a (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke

Asbestos Types: Chrysotile 1.5 % Other Material: Non-fibrous 8.9 %

#### PLM Bulk Asbestos Report

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

**Total % Asbestos** Lab No. **Asbestos Present** Client No. / HGA NA/PS 219122541-168 121619-79A Location: 4th Fl. / Outside Men's Bathroom - 12" x 12" FT (Off-White Marbled) 21 Analyst Description: Bulk Material **Asbestos Types:** Other Material: NA/PS 121619-79B 219122541-169 Location: 4th Fl. / Outside Men's Bathroom - 12" x 12" FT (Off-White Marbled) 21 Analyst Description: Bulk Material **Asbestos Types:** Other Material: NAD 219122541-170 No 121619-80A Location: Basement / Room A37 - Mastic (Brown) To 12" x 12" FT (Beige W/ White (by NYS ELAP 198.6) 22 by Jared C. Clarke on 12/20/19 Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Other Material: Non-fibrous 21.4 % NAD No 219122541-171 121619-80B (by NYS ELAP 198.6) Location: Basement / Room A37 - Mastic (Brown) To 12" x 12" FT (Beige W/ White 22 by Jared C. Clarke Swirl) on 12/20/19 Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Other Material: Non-fibrous 16 % Yes 7.2 % 219122541-172 121619-81A (by NYS ELAP 198.6) Location: Basement / Room A37 - 12" x 12" FT (Beige W/ White Swirl) 22 by Jared C. Clarke on 12/20/19 Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 7.2 % Other Material: Non-fibrous 23.2 % NA/PS 219122541-173 121619-81B Location: Basement / Room A37 - 12" x 12" FT (Beige W/ White Swirl) 22

Asbestos Types: Other Material:

Analyst Description: Bulk Material

# **PLM Bulk Asbestos Report**

Client No. / H	GA	Lab No.	Asbestos Present	Total % Asbesto
121619-82A		219122541-174	No	NAD
23	Location:	4th Fl. / Kitchenette (440) - Mastic (Ye Green Marbled)	ellow / Brown) To 12" x 12" FT (Light	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos		Homogeneous, Non-Fibrous, Bulk Ma	aterial	
121619-82B		219122541-175	No	NAD
23	Location:	4th Fl. / Kitchenette (440) - Mastic (Ye Green Marbled)	ellow / Brown) To 12" x 12" FT (Light	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos		Homogeneous, Non-Fibrous, Bulk Marous 2.6 %	aterial	
121619-83A	<del></del>	219122541-176	No	NAD
23	Location:	4th Fl. / Kitchenette (440) - 12" x 12"	FT (Light Green Marbled)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos		Homogeneous, Non-Fibrous, Bulk Ma	aterial	
Asbestos Other Ma	Types: aterial: Non-fib	219122541-177	No	NAD (1. NNO FIAR (1996)
Asbestos	Types: aterial: Non-fib	rous 34.4 %	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Other Ma  121619-83B 23  Analyst Descr Asbestos	Types: aterial: Non-fit Location: ription: Green,	219122541-177 4th Fl. / Kitchenette (440) - 12" x 12" Homogeneous, Non-Fibrous, Bulk Ma	<b>No</b> FT (Light Green Marbled)	(by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-83B  23  Analyst Descr Asbestos Other Ma	Types: aterial: Non-fit Location: ription: Green, Types:	219122541-177 4th Fl. / Kitchenette (440) - 12" x 12" Homogeneous, Non-Fibrous, Bulk Ma	<b>No</b> FT (Light Green Marbled)	(by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Other Ma  121619-83B  23  Analyst Descr Asbestos	Types: aterial: Non-fit Location: ription: Green, Types: aterial: Non-fit	219122541-177 4th Fl. / Kitchenette (440) - 12" x 12" Homogeneous, Non-Fibrous, Bulk Ma erous 32 %	<b>No</b> FT (Light Green Marbled) aterial	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Other Ma  121619-83B 23  Analyst Descr Asbestos Other Ma  121619-84A  Analyst Descr Asbestos	Types: aterial: Non-fit  Location: ription: Green, Types: aterial: Non-fit  Location: ription: Grey, I	219122541-177 4th Fl. / Kitchenette (440) - 12" x 12" Homogeneous, Non-Fibrous, Bulk Material Prous 32 %  219122541-178 1st Fl. / Above Ceiling Adj. To Electric Homogeneous, Fibrous, Bulk Material Policie 2.8 %	No FT (Light Green Marbled) aterial  Yes	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19 2.8 % (EPA 400 PC) by Jared C. Clarke
Asbestos Other Ma 121619-83B 23  Analyst Descr Asbestos Other Ma 121619-84A  Analyst Descr Asbestos Other Ma	Types: aterial: Non-fit  Location: ription: Green, Types: aterial: Non-fit  Location: ription: Grey, I	219122541-177 4th FI. / Kitchenette (440) - 12" x 12" Homogeneous, Non-Fibrous, Bulk Materials 1st FI. / Above Ceiling Adj. To Electric Homogeneous, Fibrous, Bulk Materials 1st El. 8 % s glass 80 %, Non-fibrous 17.2 %	No FT (Light Green Marbled) aterial  Yes cal Closet 81B - Spray-On Fireproofing	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19 2.8 % (EPA 400 PC) by Jared C. Clarke
Asbestos Other Ma  121619-83B 23  Analyst Descr Asbestos Other Ma  121619-84A  Analyst Descr Asbestos	Types: aterial: Non-fit  Location: ription: Green, Types: aterial: Non-fit  Location: ription: Grey, I Types: Chrysc aterial: Fibrou	219122541-177 4th FI. / Kitchenette (440) - 12" x 12" Homogeneous, Non-Fibrous, Bulk Materials of the second state of the second state of the second state of the second state of the second second state of the second second state of the second state of the second state of the second state of the second secon	No FT (Light Green Marbled) aterial  Yes	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19 2.8 % (EPA 400 PC) by Jared C. Clarke on 12/20/19

## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbesto
121619-84C	219122541-180  Location: 5th Fl. / Above Ceiling Adj. To Electrica	<b>Yes</b> al Closet 85C - Spray-On Fireproofing	3.5 % (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey, Homogeneous, Fibrous, Bulk Material es: Chrysotile 3.5 % ial: Fibrous glass 80 %, Non-fibrous 16.5 %		
121619-84D	219122541-181 Location: 6th Fl. / Above Ceiling Adj. To Electrica	<b>Yes</b> al Closet 86B - Spray-On Fireproofing	2.8 % (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey, Homogeneous, Fibrous, Bulk Material es: Chrysotile 2.8 % ial: Fibrous glass 80 %, Non-fibrous 17.2 %		
121619-84E	219122541-182 Location: 7th Fl. / Wall Adj. To Electrical Closet 8	<b>Yes</b> 87B - Spray-On Fireproofing	3 % (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey, Homogeneous, Fibrous, Bulk Material es: Chrysotile 3.0 % ial: Fibrous glass 80 %, Non-fibrous 17 %		
121619-85	219122541-183  Location: 1st Fl. / Hatch In Computer Room III (C / Debris	<b>Yes</b> Column G4) / Above Ceiling - Bulk Dus	3.8 % ³ t (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	on: Grey/Green, Heterogeneous, Fibrous, Bulk Ma bes: Chrysotile 3.8 % rial: Fibrous glass 80 %, Non-fibrous 16.2 %	aterial	
121619-86	219122541-184  Location: 1st Fl. / North Duct Chase - Bulk Dust	<b>Yes</b> / Debris	36.4 % ³ (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Ty	on: Grey, Homogeneous, Fibrous, Bulk Material pes: Chrysotile 36.4 % rial: Non-fibrous 63.6 %		
121619-87	219122541-185  Location: 1st Fl. / North Duct Chase - Bulk Dust	<b>Yes</b> / Debris	2.5 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	ion: Grey/Tan, Heterogeneous, Fibrous, Cementiti pes: Chrysotile  2.5 % rial: Fibrous glass 10 %, Non-fibrous 87.5 %	ious, Bulk Material	

# **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
121619-88	219122541-186  Location: 2nd Fl. / Duct Chase Near Water Foun		NAD ³ (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Silver/Brown, Heterogeneous, Fibrous, Bulk M bes: rial: Cellulose 37 %, Fibrous glass 3 %, Non-fibro		
121619-89	219122541-187  Location: 5th Fl. / Women's Room: Plumbing Ch	<b>Yes</b> ase - Bulk Dust / Debris	2.8 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey/Brown, Heterogeneous, Fibrous, Bulk Ma bes: Chrysotile 2.8 % rial: Animal hair 10 %, Fibrous glass 15 %, Non-f		
121619-90	219122541-188  Location: 6th Fl. / Column B4: Plumbing Chase -	<b>Yes</b> Bulk Dust / Debris	3.5 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey, Homogeneous, Fibrous, Bulk Material bes: Chrysotile 3.5 % rial: Fibrous glass 15 %, Non-fibrous 81.5 %		
121619-91	219122541-189 Location: 6th Fl. / Women's Room: Plumbing Ch.	<b>No</b> ase - Bulk Debris (Pipe Wrap)	NAD ³ (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Black, Homogeneous, Non-Fibrous, Bulk Mate nes: rial: Fibrous glass 40 %, Non-fibrous 9.1 %	erial	
121619-92	219122541-190  Location: 6th Fl. / Women's Room: Plumbing Ch	<b>Yes</b> ase - Bulk Dust / Debris	2.3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	on: Grey/Brown, Heterogeneous, Fibrous, Cemen bes: Chrysotile 2.3 % rial: Fibrous glass 10 %, Non-fibrous 87.7 %	titious, Bulk Material	
121619-93	219122541-191 Location: 7th Fl. / Men's Room: Plumbing Chase	<b>Yes</b> - Bulk Dust / Debris	4 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Typ	ion: Grey, Homogeneous, Fibrous, Bulk Material bes: Chrysotile 4.0 % rial: Fibrous glass 80 %, Non-fibrous 16 %		

Client Name: CHA Consulting, Inc.

## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
121619-94	219122541-192 round Fl. / Electrical Panel 8GA / In	<b>Yes</b> nterior - Bulk Dust / Debris	4.8 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types: Chrysotile	nogeneous, Fibrous, Bulk Material 4.8 % lass 80 %, Non-fibrous 15.2 %		
121619-95 <b>Location</b> : 2r	219122541-193 od Fl. / Electrical Panel 82D / Interi	<b>Yes</b> or - Bulk Dust / Debris	5 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types: Chrysotile	nogeneous, Fibrous, Bulk Materia s 5.0 % lass 80 %, Non-fibrous 15 %		
121619-96 Location: 4t	219122541-194 h Fl. / Electrical Panel 84B / Interio	<b>Yes</b> or - Bulk Dust / Debris	4 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types: Chrysotile	mogeneous, Fibrous, Bulk Materia e 4.0 % lass 80 %, Non-fibrous 16 %		
121619-97 Location: 6t	219122541-195 h Fl. / Electrical Panel 86C / Interio	<b>Yes</b> or - Bulk Dust / Debris	4.5 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types: Chrysotile	mogeneous, Fibrous, Bulk Materia e 4.5 % lass 80 %, Non-fibrous 15.5 %	I	
121619-98 <b>Location</b> : G	219122541-196 round Fl. / Electrical Panel 8GA / F	<b>Yes</b> Floor - Bulk Dust / Debris	4.3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types: Chrysotile	mogeneous, Fibrous, Bulk Materia e 4.3 % llass 80 %, Synthetic fibers Trace		
	219122541-197 round Fl. / Electrical Panel 8GD /		3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Analyst Description: Grey, He Asbestos Types: Chrysotil Other Material: Fibrous g	terogeneous, Fibrous, Cementition	us, Bulk Material	

## **PLM Bulk Asbestos Report**

Client No. / HG	A Lab No.	Asbestos Present	Total % Asbestos
121619-100	219122541-198  Location: 1st Fl. / Electrical Closet / Computer Room	<b>Yes</b> n III / Floor - Bulk Dust / Debris	0.8 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	ion: Brown, Heterogeneous, Fibrous, Bulk Material pes: Chrysotile 0.8 % rial: Animal hair 10 %, Cellulose 80 %, Non-fibrous 9	9.2 %	
121619-101	219122541-199 Location: 1st Fl. / Electrical Closet 81B / Floor - Bulk	<b>Yes</b> Dust / Debris	3.3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	i <b>on</b> : Grey, Heterogeneous, Fibrous, Cementitious, Bull pes: Chrysotile  3.3 % rial: Fibrous glass 35 %, Non-fibrous 61.7 %	k Material	
121619-102	219122541-200 Location: 4th Fl. / Electrical Closet 84D / Floor - Bulk	<b>Yes</b> c Dust / Debris	4.3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	ion: Grey, Heterogeneous, Fibrous, Cementitious, Bullpes: Chrysotile 4.3 % rial: Fibrous glass 40 %, Non-fibrous 55.7 %	k Material	
121619-103	219122541-201 Location: 6th Fl. / Electrical Closet 86C / Floor - Bull		ace (<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	ion: Grey/White, Heterogeneous, Fibrous, Bulk Materi pes: Chrysotile <0.25 % pc rial: Cellulose 20 %, Synthetic fibers 60 %, Non-fibro		
121619-104	219122541-202 Location: 7th Fl. / Electrical Closet 87B / Floor - Bulk	<b>Yes</b> Dust / Debris	3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	ion: Grey, Heterogeneous, Fibrous, Bulk Material pes: Chrysotile 3.0 % rial: Synthetic fibers 80 %, Non-fibrous 17 %		
121619-105	219122541-203  Location: 7th Fl. / Conveyor Shaft Room / Floor - Bu		2.5 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Ty	tion: Grey, Heterogeneous, Fibrous, Cementitious, Bul pes: Chrysotile  2.5 % rial: Fibrous glass 30 %, Non-fibrous 67.5 %	k Material	

## **PLM Bulk Asbestos Report**

Client No. / HGA		Lab No.	Asbestos Present	Total % Asbesto
121619-106		9122541-204 Processing / Perimete	<b>Yes</b> er Induction Unit Enclosure - Bulk Dus	1.8 % ³ at (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Grey, Heterogeneous, Fit Types: Chrysotile 1.8 % Terial: Fibrous glass 80 %, Non-			011 12/20/13
121619-107	Location: 2nd Fl. / Column A		on Unit Enclosure - Bulk Dust / Debris	e (<0.25 % pc) ³ s (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Pink/Grey, Heterogeneou Types: Chrysotile <0.25 % pc terial: Synthetic fibers 15 %, No		rial	
121619-108		9122541-206 4 / Perimeter Induction	<b>Yes</b> on Unit Enclosure - Bulk Dust / Debris	7.7 % ³ (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Grey, Homogeneous, Nor ypes: Chrysotile 7.7 % cerial: Non-fibrous 34.9 %	n-Fibrous, Bulk Mater	ial	
121619-109	219	122541-207	No	NAD ³
	Location: 4th Fl. / Room 400 Dust / Debris	) (Column A5) / Perin	neter Induction Unit Enclosure - Bulk	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	otion: OffWhite, Homogeneous, ypes: erial: Animal hair Trace, Cellul			
121619-110		0122541-208 10 / Perimeter Induct	<b>Yes</b> tion Unit Enclosure - Bulk Dust /	3.8 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Grey/Brown, Heterogened ypes: Chrysotile 3.8 % rerial: Cellulose 10 %, Fibrous o			
121619-111		0122541-209 1 / Perimeter Inductio	<b>Yes</b> on Unit Enclosure - Bulk Dust / Debris	3.3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos T	otion: Grey, Heterogeneous, Fib ypes: Chrysotile 3.3 % erial: Fibrous glass 80 %, Non-			

# **PLM Bulk Asbestos Report**

Client No. / HG	A Lab N	lo. A	sbestos Present	Total % Asbesto
121619-112	21912254	1-210	Yes	3 % ³
	Location: 7th Fl. / Column B10 / Per Debris	imeter Induction L	Jnit Enclosure - Bulk Dust /	(EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos T	tion: Grey, Heterogeneous, Fibrous, B ypes: Chrysotile 3.0 % erial: Cellulose 10 %, Non-fibrous 87 %			
121619-113	21912254	1-211	Yes	3.5 % ³
	Location: 1st Fl. / Processing & Ana Enclosure - Bulk Dust / De	ebris	Perimeter Induction Unit	(EPA 400 PC) by Jared C. Clarke on 12/20/19
•	tion: Grey, Homogeneous, Fibrous, Bu	lk Material		
	/pes: Chrysotile 3.5 % prial: Fibrous glass 80 %, Non-fibrous	16.5 %		
121619-114	21912254	1-212	No	NAD ³
121010 111	Location: Ground Fl. / Room 52 / Flo		Bulk Dust / Debris	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	erial: Cellulose 20 %, Fibrous glass Tr	ace, Non-fibrous		2
121619-115	21912254 Location: Ground Fl. / Nurses Office		<b>No</b> bint - Bulk Dust / Debris	NAD ³ (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos T	tion: Brown, Heterogeneous, Fibrous, ppes: erial: Cellulose 10 %, Non-fibrous 90 %			
121619-116	21912254	1-214	Yes	4.8 % ³
	Location: 1st Fl. / Electrical Closet / Dust / Debris	Computer Room	II / Floor Access Point - Bulk	(EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos T	tion: Grey/White, Heterogeneous, Fibr /pes: Chrysotile 4.8 % erial: Cellulose 20 %, Fibrous glass 20			,
121619-117	21912254	1-215	No	NAD ³
	Location: 2nd Fl. / Adj. To EC 82B /		nt - Bulk Dust / Debris	(by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
				011 12/20/10
Analyst Descrip Asbestos T	tion: Brown, Heterogeneous, Fibrous, roes:	Cementitious, Bull	k Material	011 12/20/10

Client Name: CHA Consulting, Inc.

# **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos
121619-118 Loc	219122541-216 cation: 2nd Fl. / Adj. To EC 82B / Floor Acce		0.3 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types:	Brown/Grey, Heterogeneous, Fibrous, Ceme Chrysotile 0.3 % Cellulose 15 %, Synthetic fibers Trace, Non		
	219122541-217 cation: 3rd Fl. / Data Closet 83C / Floor Acce		1.5 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types:	Grey, Heterogeneous, Fibrous, Cementitious Chrysotile 1.5 % Cellulose Trace, Synthetic fibers 20 %, Nor		
121619-120 Loc	219122541-218 cation: 5th Fl. / Column C8 / Floor Access Po	<b>Yes</b> oint - Bulk Dust / Debris	6 % ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types:	Brown/Grey, Heterogeneous, Fibrous, Ceme Chrysotile 6.0 % Cellulose 10 %, Synthetic fibers Trace, Nor		
121619-121 Loc	219122541-219 cation: 6th Fl. / Adj. To EC 86B / Floor Acces	<b>Yes</b> ss Point - Bulk Dust / Debris	Trace (<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke on 12/20/19
Asbestos Types:	Yellow/White, Heterogeneous, Fibrous, Bulk Chrysotile <0.25 % pc Fibrous glass 80 %, Non-fibrous 20 %	: Material	
121619-122 Lo	219122541-220 cation: 7th Fl. / Adj. To EC 87D / Floor Acce	<b>No</b> ss Point - Bulk Dust / Debris	NAD ³ (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Types:	Grey, Heterogeneous, Non-Fibrous, Cement Animal hair Trace, Cellulose Trace, Non-fil		
	219122541-221 cation: Exterior / Loading Dock (Soffit) - Cen		21.1 % (by NYS ELAP 198.1) by Jared C. Clarke on 12/20/19
Asbestos Types:	Grey, Homogeneous, Fibrous, Cementitious Chrysotile 21.0 % Non-fibrous 78.9 %	s, Bulk Material	

# **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbesto		
121619-123B	219122541-222  Location: Exterior / Main Entrance (Vestibule Ce	219122541-222 <b>Yes</b> / Main Entrance (Vestibule Ceiling) - Cementitious Board			
Asbestos Type	on: Grey, Homogeneous, Fibrous, Cementitious, E es: Chrysotile 20.0 % al: Non-fibrous 80 %	Bulk Material			
121619-124A	219122541-223  Location: Exterior / Loading Dock (Soffit) - Seam	<b>Yes</b> Caulk (Gray)	Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19		
Asbestos Type	on: Grey, Homogeneous, Non-Fibrous, Bulk Materes: Anthophyllite <0.25 % pc al: Fibrous Talc 3 %, Non-fibrous 22.4 %	rial			
121619-124B	219122541-224  Location: Exterior / Loading Dock (Soffit) - Seam	<b>Yes</b> Caulk (Gray)	Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19		
Asbestos Typ	on: Grey, Homogeneous, Non-Fibrous, Bulk Materes: Anthophyllite <0.25 % pc al: Fibrous Talc 3 %, Non-fibrous 40.1 %	rial			
121619-125A	219122541-225 Location: Exterior / North Side - Window Glazing	<b>Yes</b> Compound (Black)	3.6 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19		
Asbestos Type	on: Black, Homogeneous, Non-Fibrous, Bulk Matees: Chrysotile 3.6 % al: Non-fibrous 27.1 %	erial			
121619-125B	219122541-226  Location: Exterior / North Side - Window Glazing	<b>Yes</b> Compound (Black)	5.8 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19		
Asbestos Typ	on: Black, Homogeneous, Non-Fibrous, Bulk Mate es: Chrysotile 5.8 % al: Non-fibrous 26.3 %	erial			
121619-126A	219122541-227 Location: Exterior / North Side - Window Glazing	<b>No</b> Compound (Brittle; Gray)	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19		
Asbestos Typ	on: Grey, Homogeneous, Non-Fibrous, Bulk Mate es: al: Non-fibrous 24.3 %	rial			

Client Name: CHA Consulting, Inc.

#### **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / HGA		Lab No.	Asbestos Present	Total % Asbestos
121619-126B	219 ocation: Exterior / South Si	122541-228 de - Window Glazir	Trace (<0.25 % pc) ² (EPA 400 PC) by Jared C. Clarke on 12/20/19	
Asbestos Type	n: Grey, Homogeneous, Nores: Anthophyllite <0.25 % pcal: Fibrous Talc Trace, Non-		erial	
121619-127A	219	122541-229	Yes	8.3 %
	ocation: Exterior / East Sid	e - Window Glazinç	Compound (Soft; Gray)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Type	n: Grey, Homogeneous, Nor s: Chrysotile 8.3 % al: Non-fibrous 31.3 %	n-Fibrous, Bulk Mat	erial	
121619-127B	219	122541-230	Yes	7.1 %
	ocation: Exterior / Main En Gray)	trance (South Side)	- Window Glazing Compound (	Soft; (by NYS ELAP 198.6) by Jared C. Clarke on 12/20/19
Asbestos Type	on: Grey, Homogeneous, Nor es: Chrysotile 7.1 % al: Non-fibrous 33.6 %	n-Fibrous, Bulk Mat	erial	

#### **Reporting Notes:**

- (1) This job was Analyzed using Motic BA310 Pol Scope S/N 1190000326
- (2) Sample prepared for analysis by ELAP 198.6 method
- (3) Analysis Results For Soil, Dust, Or Debris May Be Highly Variable Because Of The Heterogeneous Nature Of These Samples

Analyzed by: Jared C. Clarke

*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 Appd E to Subpt E, 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
Appd E to Subpt E, 40 CFR 763 (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.

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Client Name: CHA Consulting, Inc.

#### Table I Summary of Bulk Asbestos Analysis Results

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % i TEM
01	121619-01A						NAD	NA
Location:	Basement / 24" Lt. Blue Chil	led Water Retu	ım - Paper / Foi	l Over Styrofoam F	Pipe Insulation		NAD	INA
02	121619-01B						NAD	NA
Location:	Basement / 24" Lt. Blue Chil	led Water Retu	ırn - Paper / Foi	l Over Styrofoam P	Pipe Insulation		10.05	NA.
03	121619-02A	1				774=	Chrysotile 18.2	NA
Location:	Basement / 24" Lt. Blue Chil	led Water Retu	ırn - Job-Molded	Plaster Pipe Fittin	ng Insulation (Gray)		0.my00an0 10.2	ING
04	121619-02B	1				****	NA/PS	NA
Location:	Basement / 24" Lt. Blue Chil	led Water Retu	rn - Job-Molded	f Plaster Pipe Fittin	ng Insulation (Gray)			IVA
05	121619-02C	1		****			NA/PS	NA
Location:	Basement / 24" Lt. Blue Chil	led Water Retu	rn - Job-Molded	l Plaster Pipe Fittin	ng Insulation (Gray)			IVA
06	121619-03A						NAD	NA
Location:	Basement / 8" Orange Cond	ensate Pipe - F	Paper / Foil Ove	r FG Pipe Insulatio	n			IVA
07	121619-03B				****		NAD	NA
Location:	Basement / 4" Cold Water R	eturn Pipe - Pa	per / Foil Over I	FG Pipe Insulation				INA
08	121619-04A						NAD	NA
Location:	Basement / A37 (Above Ceil	ing) - Cloth Wra	ap Over FG Pip	e Insulation				INA
09	121619-04B			====			NAD	NA
Location:	1st Fl. / North Duct Chase - (	Cloth Wrap Ove	er FG Pipe Insu	lation				NA
10	121619-05A						Chrysotile 6.3	NA
Location:	Basement / 16" High Pressu	re Steam Pipe	(Yellow) - Pre-M	Nolded Plaster Pipe	Insulation		Amosite 6.3	NA NA
11	121619-05B			***	*****		Chrysotile 3.2	NA
Location:	Basement / 16" High Pressu	re Steam Pipe	(Yellow) - Pre-M	Nolded Plaster Pipe	Insulation		Amosite 9.7	IVA
12	121619-05C				****	m to disc	Chrysotile 3,2	NA
Location:	Basement / 16" High Pressu	re Steam Pipe	(Yellow) - Pre-M	folded Plaster Pipe	Insulation		Amosite 9.7	INA
13	121619-06A					****	NAD	NA
Location:	Basement / 2" Med. Pressure	e Return Pipe (	Room A) - Job-l	Molded Plaster Pip	e Fitting Insulation (Tar	n)	1 47 144	IVA
14	121619-06B					·	Chrysotile 3.7	NA
Location:	Basement / 16" High Pressu	re Steam Pipe	(Yellow) - Job-M	olded Plaster Pipe	Fitting Insulation (Tan)	)	Amosite 11.1	IVA
15	121619-06C				- ' '		NAD	NA
Location:	1st Fl. / Chilled Water Return	Pipe: Air Cond	ditioner (171) - J	lob-Molded Plaster	Pipe Fitting Insulation (	(Tan)	14/15	INA
16	121619-06D					. ,	Chrysotile 2.5	NIA
Location	6th Fl. / Women's Room: Plu	mbing Chase -	Job-Molded Pla	aster Pipe Fitting In	sulation (Tan)		Onlysome 2.5	NA

Client Name: CHA Consulting, Inc.

#### Table I Summary of Bulk Asbestos Analysis Results

neriSci mple #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b
17	121619-07A	2					NAD	NA
Location:	Basement / Generator Room	(E-76) - Plaste	er Pipe Fitting I	nsulation (White)				
18	121619-07B	2					NAD	NA
Location:	Basement / Generator Room	(E-76) - Plaste	er Pipe Fitting I	nsulation (White)				
19	121619-07C	2					NAD	NA
Location:	Basement / Generator Room	(E-76) - Plast	er Pipe Fitting I	nsulation (White)				
20	121619-08A	3					Chrysotile 3.3	NA
Location:	1st Fl. / Air Conditioner (171)	- Plaster Insul	lation (White) U	nder Chicken Wire	On Air Handler (Inner	)	Amosite 10.0	
21	121619-08B	3					NA/PS	NA
Location:	1st Fl. / Air Conditioner (171)	) - Plaster Insu	lation (White) U	Inder Chicken Wire	On Air Handler (Inner	)		
22	121619-08C	3					NA/PS	NA
Location:	1st Fl. / Air Conditioner (171)	) - Plaster Insu	lation (White) U	Inder Chicken Wire	On Air Handler (Inner	)		
23	121619-09A	3				4000	NA/PS	NA
Location:	1st Fl. / Air Conditioner (171)	) - Plaster Insu	lation (Gray) Ur	nder Chicken Wire	On Air Handler (Outer)			
24	121619-09B	3					NA/PS	NA
Location:	1st Fl. / Air Conditioner (171)	) - Plaster Insu	lation (Gray) Ur	nder Chicken Wire	On Air Handler (Outer)	i		
25	121619-09C	3					NA/PS	NA
Location:	1st Fl. / Air Conditioner (171	) - Plaster Insu	lation (Gray) Ur	nder Chicken Wire	On Air Handler (Outer)	•		
26	121619-10A		0.307	40.0	26.8	33.2	NAD	NAD
Location:	Basement / 24" Lt. Blue Chil	led Water Retu	ırn - Pipe End (	Cap Sealant (White	·)			
27	121619-10B		0.249	39.0	2.4	58.7	NAD	NAD
Location:	Basement / 24" Lt. Blue Chil	led Water Retu	ırn - Pipe End (	Cap Sealant (White	e)			
28	121619-11A		0.203	53.2	10.2	34.4	Chrysotile 2.2	NA
Location:	5th Fl. / Men's Room: Plumb	ing Chase - Pi	pe End Cap Se	alant (Black)				
29	121619-11B		0.203	46.1	14.4	37.5	Chrysotile 2.1	NA
Location:	6th Fl. / Men's Room: Plumb	oing Chase - Pi	pe End Cap Se	alant (Black)				
30	121619-12A		****				NAD	NA
Location:	7th Fl. / Above Hatch Near E	EC 87B - Foil /	Yellow Paper C	over FG Duct Insula	ation			
31	121619-12B		~~~	****			NAD	NA
Location:	1st Fl. / North Duct Chase -	Foil / Yellow P	aper Over FG	Ouct Insulation				
32	121619-13A						NAD	NA

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b
33	121619-13B					60 to 10 en	NAD	NA
Location:	2nd Fl. / Duct Chase Near W	ater Fountain -	Foil / Red Pap	er Over FG Duct Ir	sulation			
34	121619-14A		0.254	90.9	4.1	5.0	NAD	NAD
	Basement / A Room - Sealar	nt (Black) Over	FG Duct Insula	ation (Inner Layer)				
35	121619-14B		0.264	88.3	5.5	6.2	NAD	NAD
Location:	Basement / A Room - Sealar	nt (Black) Over	FG Duct Insula	ation (Inner Layer)				
36	121619-15A		0.210	97.6	1.3	1.1	NAD	NAD
Location:	Basement / A Room - Paper	(Yellow) / Mast	ic (Black) Und	er Cloth Wrap (Mid	dle)			
37	121619-15B		0.108	88.2	6.5	5.3	NAD	NAD
Location:	Basement / A Room - Paper	(Yellow) / Mast	ic (Black) Und	er Cloth Wrap (Mid	dle)			
38	121619-16A			****			NAD	NA
Location:	Basement / A Room - Cloth \	Wrap Over FG	Duct Insulation	n (Outer Layer)				
39	121619-16B						NAD	NA
Location:	Basement / A Room - Cloth \	Wrap Over FG	Duct Insulation	n (Outer Layer)				
40	121619-17A		0.131	66.2	18.5	13.4	Chrysotile 1.9	NA
Location:	1st Fi. / North Duct Chase - I	Duct Sealant (G	Gray)					
41	121619-17B		0.182	67.9	13.4	16.7	Chrysotile 2.1	NA
Location:	5th Fl. / North Duct Chase - I	Duct Sealant (G	Gray)					A1.A
42	121619-18A		0.298	48.7	4.8	41.3	Chrysotile 5.3	NA
Location:	Basement / Main Steam Roo	om - Sealant Or	n Pipe (Black)					
43	121619-18B		0.295	50.6	4.4	39.3	Chrysotile 5.6	NA
Location:	Basement / Main Steam Roo	om - Sealant Or	n Pipe (Black)					NAM
44	121619-19A		0.250	80.5	4.4	15.1	NAD	NAD
	Basement / Main Steam Roo	om - Bituminous						NAD
45	121619-19B		0.261	67.9	5.6	26.4	NAD	NAD
	Basement / Main Steam Roo	om - Bituminous				24.0	NAD	NAD
46	121619-20A		0.242	70.5	7.7	21.9	NAD	NAD
	Basement / E46 (Storage) -	Bituminous Wa					NAD	NAD
47	121619-20B		0.127	90.4	5.8	3.9	NAD	NAU
Location:	: Basement / E46 (Storage) -	Bituminous Wa				4.0	NAD	NAD
48	121619-21A : 1st Fl. / Computer Room 3 -		0.148	79.7	19.2	1.2	NAD	NAD

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

49		Area	Weight (gram)	Sensitive Organic %	Soluble Inorganic %	Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b TEM
Location: 1	121619-21B		0.176	80.6	18.5	1.0	NAD	NAD
	st Fl. / Computer Room 3 -	Adhesive (Blad	k) Under Eleva	ted Floor Stand				
50	121619-22A		0.214	70.0	5.8	24.2	NAD	NAD
Location: 1	st Fl. / Payment Processing	(Column B) -	Adhesive (Yello	w) Under Elevated	Floor Stands			
51	121619-22B		0.205	71.0	5.4	23.6	NAD	NAD
Location: 1	st Fl. / Payment Processing	(Column B) -	Adhesive (Yello	w) Under Elevated	l Floor Stands			
52	121619-23A		0.206	36.2	23.4	40.5	NAD	NAD
Location: 1	lst Fl. / Air Conditioner (171)	- Sealant (Yel	low) Over FG F	anels Under Air H	andler			
53	121619-23B		0.157	39.5	27.3	33.2	NAD	NAD
Location: 1	Ist Fl. / Air Conditioner (171)	- Sealant (Yel	low) Over FG F	anels Under Air H	andler			
54	121619-24A		0.245	30.6	59.3	10.0	NAD	Chrysotile <1.0
Location: 5	5th Fl. / Induction Vent (Colu	mn D10) - Sea	ılant (Black) Un	der Induction Vent				
55	121619-24B		0.270	39.2	52.3	8.4	NAD	Chrysotile Trac
Location: 5	5th Fl. / Induction Vent (Colu	mn D10) - Sea	ilant (Black) Un	der Induction Vent				
56	121619-25A		0.184	56.0	6.9	37.1	NAD	NAD
Location: 1	1st Fl. / Payment Processing	ı - Window Fra	me Caulk (Dou	ble Doors; Gray)				
57	121619-25B		0.212	57.0	6.3	36.7	NAD	NAD
Location: 1	1st Fl. / Payment Processing	ı - Window Fra	me Caulk (Dou	ble Doors; Gray)				
58	121619-26A		0.206	64.7	20.8	14.3	Chrysotile < 0.25	Chrysotile <1.0
Location: 4	4th Fl. / Room 400 (Column	A5) - Flex Duc	t Sealant (Red)	At Induction Vents	3			
59	121619-26B		0.160	64.6	21.1	14.1	Chrysotile < 0.25	Chrysotile <1.0
Location: 5	5th Fl. / Room 400 (Column	A5) - Flex Duc	t Sealant (Red)	At Induction Vents	3			
60	121619-27A		0.147	71.6	18.0	10.4	NAD	NAD
Location: F	Basement / Generator Room	ı (E-76) - Door	Frame Caulk (	White)				
61	121619-27B		0.165	60.3	16.4	23.3	NAD	NAD
Location: F	Basement / Generator Roon	ı (E-76) - Door	Frame Caulk (	White)				
62	121619-28A		0.155	45.8	41.6	12.6	NAD	NAD
Location: F	Basement / Outside Elevato	rs - Firestop S	ealant (Red)					
63	121619-28B		0.191	45.2	32.9	21.9	NAD	NAD
Location: 5	5th Fl. / Electrical Closet (84	B) - Firestop S	ealant (Red)					
64	121619-29A	4	0.233	13.5	82.1	4.0	Chrysotile < 0.25	Chrysotile Trac Anthophyllite <

Client Name: CHA Consulting, Inc.

Table I Summary of Bulk Asbestos Analysis Results

neriSci imple #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by
65	121619-29B	4	0.208	11.9	82.8	5.2	Anthophyllite < 0.25	Anthophyllite Trac
Location:	3rd Fl. / Column A5 - Window	w Glazing Com	pound					
66	121619-29C	4	0.247	12.9	81.7	5.2	Anthophyllite <0.25	Anthophyllite <1.0
Location:	4th Fl. / Room 400 (Column	A5) - Window	Glazing Compo	und				
67	121619-29D	4	0.251	16.3	77.0	6.7	Anthophyllite < 0.25	Anthophyllite Trac
Location:	6th Fl. / Column F10 - Windo	ow Glazing Cor	mpound					
68	121619-30A						NAD	NA
Location:	Basement - CMU Mortar							
69	121619-30B			****		****	NAD	NA
Location:	Basement - CMU Mortar							
70	121619-31A						NAD	NA
Location:	1st Fl. / Stairwell B - Brick M	lortar						
71	121619-31B						NAD	NA
Location:	3rd Fl. / Stairwell C - Brick M	/lortar						
72	121619-32A	5				que del colo	NAD	NA
Location:	Ground Fl. / Service Lobby -	Plaster Wall (	Base Coat)					
73	121619-32B	5					NAD	NA
Location:	3rd Fl. / Entrance To Wome	n's Room - Pla	ster Wall (Base	Coat)				
74	121619-32C	5	*****				NAD	NA
Location:	5th Fl. / Entrance To Wome	n's Room - Pla	ster Wall (Base	Coat)				
75	121619-33A	5					NAD	NA
Location:	Ground Fl. / Service Lobby	- Plaster Wall (	Skim Coat)					
76	121619-33B	5					NAD	NA
Location:	3rd Fl. / Entrance To Wome	en's Room - Pla	ster Wall (Skim	Coat)				
77	121619-33C	5			***	****	NAD	NA
Location:	5th Fl. / Entrance To Wome	n's Room - Pla	ster Wall (Skim	Coat)				
78	121619-34A						NAD	NA
Location:	6th Fl. / Stairwell B - Terraz	zo Flooring (Bla	ack)					
79	121619-34B						NAD	NA
Location:	: 1st Fl. / Stairwell B - Terraz	zo Flooring (Bla	ack)					
80	121619-35A						NAD	NA

Client Name: CHA Consulting, Inc.

#### Table I Summary of Bulk Asbestos Analysis Results

	Client Sample# 121619-35B		(gram)	Sensitive Organic %	Soluble Inorganic %	Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b TEM
					***		NAD	NA
	Basement / Sliding Door Bet	w. F-Room / O	-Room Storage	- Fire Door Core				
82	121619-36A		****				NAD	NA
Location: E	Basement / Network Core R	oom (F34) - Jo	int Compound (	(Walls)				
83	121619-36B						NAD	NA
Location: 4	4th Fl. / Room 443 (Column	E8) - Joint Cor	mpound (Walls)	)				
84	121619-37A						NAD	NA
Location: E	Basement / Network Core R	oom (F34) - Gy	ypsum Board W	/ali				
85	121619-37B			****		****	NAD	NA
Location: 4	4th Fl. / Room 443 (Column	E8) - Gypsum	Board Wall					
86	121619-38A						NAD	NA
Location: (	Ground Fl. / Conference Roo	om 6 - Partition	Wall Gypsum	Board				
87	121619-38B					***	NAD	NA
Location: 5	5th Fl. / Column I6 - Partition	n Wall Gypsum	Board					
88	121619-39A	6				***	NAD	NA
Location: (	Ground Fl. / Nurses Station	(14) - Thinset 1	To 4" CWT (Yel	low)				
89	121619-39B	6				***	NAD	NA
Location: (	Ground Fl. / Nurses Station	(14) - Thinset	To 4" CWT (Yel	llow)				
90	121619-40A	7					NAD	NA
Location: (	Ground Fl. / Nurses Station	(14) - Seam G	rout To 4" CWT	(Yellow)				
91	121619-40B	7					NAD	NA
Location: (	Ground Fl. / Nurses Station	(14) - Seam G	rout To 4" CWT	(Yellow)				
92	121619-41A	7				****	NAD	NA
Location: (	Ground Fl. / Nurses Station	(14) - 4" CWT	(Yellow)					
93	121619-41B	7				<del></del>	NAD	NA
Location: (	Ground Fl. / Nurses Station	(14) - 4" CWT	(Yellow)					
94	121619-42A	8	0.131	54.4	21.0	24.7	NAD	NAD
Location: (	Ground Fl. / Nurses Office B	Bathroom (14)	- Thinset To 1"	CWT (Light Brown)				
95	121619-42B	8	1.244	2.1	81.1	16.8	NAD	NAD
Location: (	Ground Fl. / Nurses Office E	Bathroom (14)	- Thinset To 1"	CWT (Light Brown)				
96	121619-43A	8					NAD	NA

Client Name: CHA Consulting, Inc.

Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % t TEM
97	121619-43B	8					NAD	NA
Location:	Ground Fl. / Nurses Office B	Bathroom (14) -	Seam Grout To	1" CWT (Light Bro	own)			
98	121619-44A	8					NAD	NA
Location:	Ground Fl. / Nurses Office B	Bathroom (14) -	1" CWT (Light	Brown)				
99	121619-44B	8					NAD	NA
Location:	Ground Fl. / Nurses Office B	Bathroom (14) -	1" CWT (Light	Brown)				
100	121619-45A	9					NAD	NA
Location:	Basement / Men's Bathroom	ı - Thinset To 1	" CWT (White)					
101	121619-45B	9	0.133	63.0	13.4	23.7	NAD	NAD
Location:	3rd Fl. / Men's Bathroom - M	Mastic To 1" CV	VT (White)					
102	121619-46A	9					NAD	NA
Location:	2nd Fl. / Men's Bathroom - S	Seam Grout To	1" CWT (White	e)				
103	121619-46B	9			****		NAD	NA
Location:	3rd Fl. / Men's Bathroom - S	Seam Grout To	1" CWT (White)	)				
104	121619-47A	9				****	NAD	NA
Location:	3rd Fł. / Men's Bathroom - 1	" CWT (White)						
105	121619-47B	9					NAD	NA
Location:	5th Fl. / Men's Bathroom - 1	" CWT (White)						
106	121619-48A	10					NAD	NA
Location:	3rd Fl. / Janitors Closet - Th	inset To 2" He	xagonal CFT					
107	121619-48B	10					NAD	NA
Location:	7th Fl. / Janitors Closet - Th	inset To 2" He	kagonal CFT					
108	121619-49A	11			****	ça like dili siya	NAD	NA
Location:	3rd Fl. / Janitors Closet - Se		" Hexagonal CF	T				
109	121619-49B	11					NAD	NA
	7th Fl. / Janitors Closet - Se		" Hexagonal CF	T				
110	121619-50A	11					NAD	NA
	3rd Fl. / Janitors Closet - 2"		Т					
111	121619-50B	11			****	nt som sk	NAD	NA
	7th Fl. / Janitors Closet - 2"	Hexagonal CF						
112	121619-51A		0.087	78.8	17.1	4.0	NAD	NAD

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % k TEM
113	121619-51B		0.087	72.7	22.4	4.9	NAD	NAD
Location:	4th Fl. / Column I6 - Vinyl C	overing On Par	tition Wall					
114	121619-52A		0.221	73.1	12.7	14.3	NAD	NAD
Location:	3rd Fl. / Canteen - Vinyl Wa	llpaper (White)	W/ Adhesive ()	ellow) "Physically	Inseparable Layers In	Sample - Sample Composited	For	
115	121619-52B		0.184	72.0	13.0	15.0	NAD	NAD
Location:	4th Fl. / Canteen - Vinyl Wa	Ilpaper (White)	W/ Adhesive (\	(ellow) "Physically	Inseparable Layers In	Sample - Sample Composited	For	
116	121619-53A		0.220	56.3	24.9	18.9	NAD	NAD
Location:	Ground FI. / Nurses Office E	Bathroom (14) -	Mesh Wallpape	er W/ Adhesive (Ye	ellow)			
117	121619-53B		0.179	25.0	52.5	22.6	NAD	NAD
Location:	Ground FI. / Nurses Office E	3athroom (14) -	Mesh Wallpape	er W/ Adhesive (Ye	ellow)			
118	121619-54A		0.150	49.3	45.6	5.1	NAD	NAD
Location:	Basement / Network Core R	toom (F34) - St	air Tread (Maro	on)				
119	121619-54B		0.207	47.6	42.7	9.7	NAD	NAD
Location:	Basement / Network Core R	toom (F34) - St	air Tread (Maro	on)				
120	121619-55A	12	0.170	93.6	5.2	1.2	NAD	NAD
Location:	1st Fl. / Ramp Into Program	ming & Analytic	s - Mastic (Yel	low) To Vinyl Floor	ing (Black)			
121	121619-55B	12	0.122	68.6	12.5	18.9	NAD	NAD
	2nd Fl. / Ramp Into Program	nming & Analyti	cs - Mastic (Ye	llow) To Vinyl Floo	ring (Black)			
122	121619-56A	12	0.200	56.4	38.1	5.6	NAD	NAD
	1st Fl. / Ramp Into Program	_	s - Vinyl Floori	ng (Black)				
123	121619-56B	12	0.181	61.4	37.5	1.1	NAD	NAD
	1st Fl. / Ramp Into Program	-	-	ng (Black)				
124	121619-57A	13	0.188	95.7	3.6	0.6	NAD	NAD
	2nd Fl. / Entrance To Wome		•	•	,	•		
125	121619-57B	13	0.247	60.4	8.8	30.8	NAD	NAD
	4th Fl. / Elevator Lobby (16)	•	,	•				
126	121619-58A	13	0.186	79.0	18.4	2.6	NAD	NAD
	2nd FI. / Entrance To Wome		•	, ,	<u>.</u>			
127	121619-58B	13	0.167	75.4	21.9	2.8	NAD	NAD
	4th Fl. / Elevator Lobby (16)	•	,	,				
128	121619-59A	14	0.228	18.2	21.7	60.1	NAD	NAD

Client Name: CHA Consulting, Inc.

Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % t TEM
129	121619-59B	14	0.283	32.9	6.2	60.9	NAD	NAD
Location:	Basement / Network Core R	oom (F34) - Ma	stic (Yellow) To	o 4" Cove Base (Ma	aroon)			
130	121619-60A	14	0.199	39.1	54.9	5.9	NAD	NAD
Location:	Basement / Network Core Re	oom (F34) - 4"	Cove Base (Ma	aroon)				
131	121619-60B	14	0.182	39.8	55.1	5.2	NAD	NAD
Location:	Basement / Network Core Re	oom (F34) - 4"	Cove Base (Ma	aroon)				
132	121619-61A	15	0.157	69.6	0.7	29.7	NAD	NAD
Location:	1st Fl. / Computer Room 3 -	Mastic (Yellow	) To 4" Cove Ba	ase (Brown)				
133	121619-61B	15	0.218	33.4	7.5	59.1	NAD	NAD
Location:	1st Fl. / Computer Room 3 -	Mastic (Yellow	) To 4" Cove Ba	ase (Brown)				
134	121619-62A	15	0.165	62.5	34.2	3.3	NAD	NAD
Location:	1st Fl. / Computer Room 3 -	4" Cove Base	(Brown)				ă.	
135	121619-62B	15	0.213	60.8	37.3	1.9	NAD	NAD
Location:	1st Fl. / Computer Room 3 -	4" Cove Base	(Brown)					
136	121619-63A	16	0.253	41.3	7.5	51.2	NAD	NAD
Location:	2nd Fl. / Room 226 - Mastic	(Brown) To 4"	Cove Base (Bla	ıck)				
137	121619-63B	16	0.209	51.1	5.1	43.8	NAD	NAD
Location:	7th Fl. / Elevator Lobby (16)	- Mastic (Brow	n) To 4" Cove E	Base (Black)				
138	121619-64A	16	0.227	37.6	8.9	53.5	NAD	NAD
Location:	2nd Fl. / Room 226 - 4" Cove	e Base (Black)						
139	121619-64B	16	0.219	38.2	12.4	49.4	NAD	NAD
Location:	7th Fl. / Elevator Lobby (16)	- 4" Cove Base	(Black)					
140	121619-65A	17	0.109	65.6	7.4	27.0	NAD	NAD
Location:	6th Fl. / Room 647 (Column	G6) - Mastic (\	ellow) To 4" Co	ove Base (Gray)				
141	121619-65B	17	0.122	64.3	7.3	28.4	NAD	NAD
Location:	6th Fl. / Room 647 (Column	G6) - Mastic (Y	'ellow) To 4" Co	ove Base (Gray)				
142	121619-66A	17	0.172	51.7	46.4	1.9	NAD	NAD
Location:	6th Fl. / Room 647 (Column	G6) - 4" Cove	Base (Gray)					
143	121619-66B	17	0.198	47.7	50.5	1.9	NAD	NAD
Location:	6th Fl. / Room 647 (Column	G6) - 4" Cove	Base (Gray)					
144	121619-67A	18	0.098	58.7	14.0	27.3	Chrysotile <0.25	NA
Location:	3rd Fl. / Room 354 - Mastic	(Black) To 9" x	9" FT (Tan)				•	

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
145	121619-67B	18	0.272	12.8	55.9	31.3	Chrysotile <0.25	NA
Location:	4th Fl. / Kitchenette (440) - I	Mastic (Black)	To 9" x 9" FT (T	an)				
146	121619-68A	18	0.319	48.2	32.2	17.4	Chrysotile 2.2	NA
Location:	Ground Fl. / Tax Analytics (7	70) - Mastic (Bl	ack) To 9" x 9" l	FT (Olive)				
147	121619-68B	18	0.237	65.6	12.1	22.3	NA/PS	NA
Location:	2nd Fl. / Room Adj. To Wor	nen's Bathroom	ı - Mastic (Black	k) To 9" x 9" FT (OI	ive)			
148	121619-69A	18	0.222	56.7	16.3	27.0	NA/PS	NA
Location:	Ground Fl. / Room 75A - Ma	astic (Black) To	9" x 9" FT (Bla	ck)				
149	121619-69B	18	0.192	57.4	19.6	23.0	NA/PS	NA
Location:	Ground Fl. / Returns & Proc	essing (35) - M	astic (Black) To	9" x 9" FT (Black)				
150	121619-70A	18	0.182	23.9	34.3	41.8	NA/PS	NA
Location:	4th Fl. / Entrance To Room	458 - 9" x 9" F1	「(Light Brown)					
151	121619-70B	18	0.206	22.9	42.6	34.5	NA/PS	NA
Location:	4th Fl. / Entrance To Room	458 - 9" x 9" F7	Γ (Light Brown)			•		
152	121619-71A	18	0.297	22.7	18.7	58.6	NA/PS	NA
Location:	3rd Fl. / Room 354 - 9" x 9"	FT (Tan W/ WI	nite Swirl)					
153	121619-71B	18	0.236	24.7	17.9	57.4	NA/PS	NA
Location:	4th Fl. / Kitchenette (440) - 9	9" x 9" FT (Tan	W/ White Swirl	)				
154	121619-72A	18	0.134	24.2	18.5	57.3	NA/PS	NA
Location:	Ground Fl. / Tax Analytics (7	70) - 9" x 9" FT	(Olive W/ White	e Sw <del>i</del> rl)				
155	121619-72B	18	0.289	21.9	14.6	63.6	NA/PS	NA
Location:	2nd Fl. / Room Adj. To Won	nen's Bathroom	n - 9" x 9" FT (O	live W/ White Swirl	)			
156	121619-73A	18	0.266	27.6	36.9	35.5	NA/PS	NA
Location:	Ground Fl. / Room 75A - 9"	x 9" FT (Black)	+					
157	121619-73B	18	0.271	26.3	36.5	37.2	NA/PS	NA
Location:	Ground Fl. / Returns & Proc	essing (35) - 9'	' x 9" FT (Black	)				
158	121619-74A	19	0.226	92.6	3.6	3.8	NAD	NAD
Location:	1st Fl. / Room Adj. To Secu	rity Check-In - I	Mastic (Black)	Γο 12" x 12" FT (ΒΙι	ue W/ White Swirl)			
159	121619-74B	19	0.188	88.7	9.5	1.8	NAD	NAD
Location:	1st Fl. / Room Adj. To Secu	rity Check-In -	Mastic (Black)	Γο 12" x 12" FT (ΒΙι	ue W/ White Swirl)			
160	121619-75A	19	0.226	14.8	82.3	2.9	NAD	NAD

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b
161	121619-75B	19	0.210	15.0	78.9	6.1	NAD	NAD
	1st Fl. / Room Adj. To Secu	rity Check-In - 1	12" x 12" FT (Bi	ue W/ White Swirl)				
162	121619-76A	20	0.118	60.7	8.2	31.1	NAD	NAD
		(75) - Mastic (Y	ellow) To 12" x	12" FT (Blue Marb	led)			
163	121619-76B	20	0.087	33.3	20.5	46.2	NAD	NAD
	Ground Fl. / Internal Affairs	(75) - Mastic (Y	ellow) To 12" x	12" FT (Blue Marb	led)			
164	121619-77A	20	0.252	14.8	43.1	42.1	NAD	NAD
Location:	Ground Fl. / Internal Affairs	(75) - 12" x 12"	FT (Blue Marbl	led)				
165	121619-77B	20	0.187	16.8	55.8	27.4	NAD	NAD
Location:	Ground Fl. / Internal Affairs	(75) - 12" x 12"	FT (Blue Marbi	led)				
166	121619-78A	21	0.173	76.2	14.7	9.0	Chrysotile < 0.25	NA
Location:	4th Fl. / Outside Men's Bath	room - Mastic (	Black) To 12" x	12" FT (Off-White	Marbled)			
167	121619-78B	21	0.297	73.0	16.6	8.9	Chrysotile 1.5	NA
Location:	4th Fl. / Outside Men's Bath	room - Mastic (	Black) To 12" x	12" FT (Off-White	Marbled)			
168	121619-79A	21	0.249	18.8	55.1	26.1	NA/PS	NA
Location:	4th Fl. / Outside Men's Bath	12" x 12	?" FT (Off-White	e Marbled)				
169	121619-79B	21	0.230	19.8	44.4	35.8	NA/PS	NA
Location:	4th Fl. / Outside Men's Bath	12" x 12	2" FT (Off-White	e Marbled)			=	
170	121619-80A	22	0.138	59.4	19.2	21.4	NAD	NA
Location:	Basement / Room A37 - Ma	astic (Brown) To	12" x 12" FT (	Beige W/ White Sw				
171	121619-80B	22	0.111	62.8	21.2	16.0	NAD	NA
Location:	Basement / Room A37 - Ma	astic (Brown) To	o 12" x 12" FT (					
172	121619-81A	22	0.220	23.1	46.5	23.2	Chrysotile 7.2	NA
Location:	Basement / Room A37 - 12	2" x 12" FT (Bei	ge W/ White Sv	virl)				
173	121619-81B	22	0.159	28.5	54.8	16.7	NA/PS	NA
Location:	Basement / Room A37 - 12	2" x 12" FT (Bei	ge W/ White Sv				NAD	NAD
174	121619-82A	23	0.066	76.9	15.7	7.5	NAD	NAD
Location:	4th Fl. / Kitchenette (440) -	Mastic (Yellow	/ Brown) To 12	" x 12" FT (Light G				NAD
175	121619-82B	23	0.087	86.3	11.0	2.6	NAD	NAD
Location:	: 4th Fl. / Kitchenette (440) -					04.4	NAD	NAD
176	121619-83A	23	0.210	18.5	47.1	34.4	NAD	NAD
Location	: 4th Fl. / Kitchenette (440) -	· 12" x 12" FT (L	ight Green Mar	bled)				

Client Name: CHA Consulting, Inc.

# Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b TEM
177	121619-83B	23	0.262	18.0	50.0	32.0	NAD	NAD
Location:	4th Fl. / Kitchenette (440) - 1	2" x 12" FT (Lig	ght Green Marb	led)				
178	121619-84A						Chrysotile 2.8	NA
Location:	1st Fl. / Above Ceiling Adj. T	o Electrical Clo	set 81B - Spra	y-On Fireproofing				
179	121619-84B				****		Chrysotile 2.8	NA
Location:	3rd Fl. / Above Ceiling Adj. 7	To Electrical Clo	oset 83B - Spra	y-On Fireproofing				
180	121619-84C						Chrysotilé 3.5	NA
Location:	5th Fl. / Above Ceiling Adj. T	To Electrical Clo	oset 85C - Spra	y-On Fireproofing				
181	121619-84D					par aga dalam	Chrysotile 2.8	NA
Location:	6th Fl. / Above Ceiling Adj. 1	To Electrical Clo	oset 86B - Spra	y-On Fireproofing				
182	121619-84E						Chrysotile 3.0	NA
Location:	7th Fl. / Wall Adj. To Electric	cal Closet 87B -	- Spray-On Fire	proofing				
183	121619-85					****	Chrysotile 3.8	NA
Location:	1st Fl. / Hatch In Computer	Room III (Colur	nn G4) / Above	Ceiling - Bulk Dust	/ Debris			
184	121619-86					~~~	Chrysotile 36.4	NA
Location:	1st Fl. / North Duct Chase -	Bulk Dust / Del	oris					
185	121619-87						Chrysotile 2.5	NA
Location:	1st Fl. / North Duct Chase -	Bulk Dust / Del	bris					
186	121619-88				=~~		NAD	NA
Location:	2nd Fl. / Duct Chase Near V	Vater Fountain	- Bulk Debris (F	Paper)				
187	121619-89					w===	Chrysotile 2.8	NA
Location:	5th Fl. / Women's Room: Pl	umbing Chase	- Bulk Dust / De	ebris				
188	121619-90					******	Chrysotile 3.5	NA
Location:	6th Fl. / Column B4: Plumbi	ng Chase - Bul	k Dust / Debris					
189	121619-91		0.157	50.1	0.8	49.1	NAD	NAD
Location:	6th Fl. / Women's Room: Pl	umbing Chase	- Bulk Debris (F	Pipe Wrap)				
190	121619-92				### <b>#</b>		Chrysotile 2.3	NA
Location:	6th Fl. / Women's Room: Pl	lumbing Chase	- Bulk Dust / De	ebris				
191	121619-93				***		Chrysotile 4.0	NA
Location:	7th Fl. / Men's Room: Plum	bing Chase - B	ulk Dust / Debri	s				
192	121619-94						Chrysotile 4.8	NA
Location:	Ground Fl. / Electrical Pane	el 8GA / Interior	- Bulk Dust / D	ebris				

Client Name: CHA Consulting, Inc.

#### Table I Summary of Bulk Asbestos Analysis Results

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b TEM
193	121619-95			****			Chrysotile 5.0	NA
Location:	2nd Fl. / Electrical Panel 82D	/ Interior - Bulk	Dust / Debris				•	
194	121619-96						Chrysotile 4.0	NA
Location:	4th Fl. / Electrical Panel 84B	/ Interior - Bulk	Dust / Debris					
195	121619-97						Chrysotile 4.5	NA
Location:	6th Fl. / Electrical Panel 86C	/ Interior - Bulk	Dust / Debris					
196	121619-98						Chrysotile 4.3	NA
Location:	Ground Fl. / Electrical Panel 8	8GA / Floor - B	ulk Dust / Debri	s				
197	121619-99						Chrysotile 3.0	NA
Location:	Ground Fl. / Electrical Panel 8	8GD / Floor - B	ulk Dust / Debri	is				
198	121619-100						Chrysotile 0.8	NA
Location:	1st Fl. / Electrical Closet / Co	mputer Room I	II / Floor - Bulk	Dust / Debris				
199	121619-101					****	Chrysotile 3.3	NA
Location:	1st Fl. / Electrical Closet 81B	/ Floor - Bulk [	Oust / Debris					
200	121619-102						Chrysotile 4.3	NA
Location:	4th Fl. / Electrical Closet 84D	/ Floor - Bulk [	Oust / Debris					
201	121619-103						Chrysotile < 0.25	NA
Location:	6th Fl. / Electrical Closet 86C	/ Floor - Bulk [	Dust / Debris					
202	121619-104						Chrysotile 3.0	NA
Location:	7th Fl. / Electrical Closet 87B	/ Floor - Bulk [	Oust / Debris					
203	121619-105						Chrysotile 2.5	NA
Location:	7th Fl. / Conveyor Shaft Room	n / Floor - Bulk	Dust / Debris					
204	121619-106			****			Chrysotile 1.8	NA
	1st Fl. / Payment Processing	/ Perimeter Inc	luction Unit End	closure - Bulk Dus	t / Debris			
205	121619-107			***			Chrysotile < 0.25	NA
Location:		ter Induction U						
206	121619-108		0.276	26.5	31.0	34.9	Chrysotile 7.7	NA
	3rd Fl. / Column A4 / Perimet	er Induction Ur	nit Enclosure - E	Bulk Dust / Debris				
207	121619-109					no na tiú da	NAD	NA
	4th Fl. / Room 400 (Column A	A5) / Perimeter	Induction Unit I	Enclosure - Bulk D	Oust / Debris			
208	121619-110		*****				Chrysotile 3.8	NA

Client Name: CHA Consulting, Inc.

#### Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b
209	121619-111					<b>数据证据</b>	Chrysotile 3.3	NA
Location:	6th Fl. / Column J1 / Perime	ter Induction U	nit Enclosure - I	Bulk Dust / Debris				
210	121619-112						Chrysotile 3.0	NA
Location:	7th Fl. / Column B10 / Perim	eter Induction	Unit Enclosure	- Bulk Dust / Debris	<b>3</b>			
211	121619-113					**************************************	Chrysotile 3.5	NA
Location:	1st Fl. / Processing & Analyt	ics (Door E11)	/ Perimeter Ind	uction Unit Enclosu	ıre - Bulk Dust / Debri	S		
212	121619-114					****	NAD	NA
Location:	Ground Fl. / Room 52 / Floo	r Access Point	- Bulk Dust / De	ebris				
213	121619-115					***	NAD	NA
Location:	Ground Fl. / Nurses Office /	Floor Access F	Point - Bulk Dus	t / Debris				
214	121619-116			****		of an in the	Chrysotile 4.8	NA
Location:	1st Fl. / Electrical Closet / C	omputer Room	III / Floor Acce	ss Point - Bulk Dus	t / Debris			
215	121619-117					***	NAD	NA
Location:	2nd Fl. / Adj. To EC 82B / Fl	oor Access Po	int - Bulk Dust /	Debris				
216	121619-118				provide and the second		Chrysotile 0.3	NA
Location:	2nd Fl. / Adj. To EC 82B / F	oor Access Po	int - Bulk Dust /	Debris				
217	121619-119						Chrysotile 1.5	NA
Location:	3rd Fl. / Data Closet 83C / F	loor Access Po	oint - Bulk Dust	/ Debris				
218	121619-120						Chrysotile 6.0	NA
Location:	5th Fl. / Column C8 / Floor A	Access Point - I	Bulk Dust / Deb	ris				
219	121619-121				***		Chrysotile <0.25	NA
Location:	6th Fl. / Adj. To EC 86B / Fl	oor Access Poi	nt - Bulk Dust /	Debris				
220	121619-122						NAD	NA
Location:	7th Fl. / Adj. To EC 87D / Fl	oor Access Poi	int - Bulk Dust /	Debris				
221	121619-123A						Chrysotile 21.0	NA
Location:	Exterior / Loading Dock (So	ffit) - Cementiti	ous Board					
222	121619-123B			****		****	Chrysotile 20.0	NA
Location:	Exterior / Main Entrance (Ve	estibule Ceiling	) - Cementitious	Board				
223	121619-124A		0.236	34.2	40.4	25.2	Anthophyllite <0.25	Anthophyllite <1.
Location:	Exterior / Loading Dock (So	ffit) - Seam Ca	ulk (Gray)					
224	121619-124B		0.182	50.5	6.4	42.9	Anthophyllite < 0.25	Anthophyllite <1.

# Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

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
225	121619-125A		0.191	37.1	32.1	27.1	Chrysotile 3.6	NA NA
Location:	Exterior / North Side - Windo	w Glazing Comp	oound (Black)				01//y30tile 3.0	INA
226	121619-125B		0.272	36.7	31.2	26.3	Chrysotile 5.8	NA
Location:	Exterior / North Side - Windo	w Glazing Comp	oound (Black)			20.0	Onlysome 3.8	INA
227	121619-126A		0.396	8.0	67.7	24.2	NAD	Anthonia dita Tara
Location:	Exterior / North Side - Windo	w Glazing Comp	ound (Brittle;	Gray)		dan trada	NAD	Anthophyllite Trace
228	121619-126B		0.247	8.8	77.0	14.0	Anthophyllite <0.25	A-46
Location:	Exterior / South Side - Windo	w Glazing Com	oound (Brittle:			14.0	Anthopriyinte <0.25	Anthophyllite <1.0
229	121619-127A		0.219	24.1	36.3	31.3	Charactile 0.2	•••
Location:	Exterior / East Side - Windov	v Glazing Compo			30.5	31.3	Chrysotile 8.3	NA
230	121619-127B	3	0.210	22.7	36.6	22.6	<b>a</b>	
Location:	Exterior / Main Entrance (Sou	uth Side) - Wind				33.6	Chrysotile 7.1	NA



**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 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 (of 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:	
• — — — — — — — — — — — — — — — — — — —	The second secon

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Relinquisl	hed Bv:	Date/Time	: 12/16/19 1600		BULK CHAIN	
-	ved By:	Date/Time	: 12/16/19 16°0 : 12/17/19 13:08	AMERI SCI	117 EAST 30T NEW YORK, TOLL FREE: (8)	NY 10016
Relinquis	hed By:	Date/Time	:		PHONE: (212) FAX: (212)	) 679-8600
Recei	ved By:	Date/Time	<b>e:</b>	WWW.AMERISCI.COM		
Company	: CHA Consult	ing, Inc.	Project: Study to R	ehab Building 8 & 8A	AMERISCI #: 2 1 9	122541
Street Add	dress: 3 Winne	ers Circle	Proj Mgr: Henry Uh		Proj #: 360	38
h		State: NY Zip: 12205	Proi Address: 1220	) Washington Ave – Blo	lg. 8 & 8A Proj State	: NY
City: Alba Phone:	ny	Cell: (518) 598-6689	Analysis: \( \frac{1}{2} \text{PLM};		TEM; XNY ELAP PL	M/TEM w/ NOB Prep.
Fax Resul	ts? Y Fax	<b>#</b> •	ASTM Dust (Mic		ualitative;   NY ELA	P 198.8 Vermiculite
Email Res		mail: JRoche@Chacompanies.com	Turnaround Time: 5		Material Type: ∠Bu	ılkDust Water
			Sampled By: John R	·	Date Sampled: 10/28	-11/21/19
		, Henry Uhlig, Jim Morey	Jampica Dy. com		•	
Special In	structions or C	Comments: Building 8				
Lab ID	Field ID	Location			iption (dust area)	Homogenous Area
	121619-01A	Basement - 24" Lt. Blue Chilled Water Return	:	Paper/Foil over Styrofoam Pipe		
	121619-01B	Basement - 24" Lt. Blue Chilled Water Return		Paper/Foil over Styrofoam Pipe	Insulation	
	121619-02A	Basement - 24" Lt. Blue Chilled Water Return		Gray Job-Molded Plaster Pipe Fi	tting Insulation	+Stop
	121619-02B	Basement - 24" Lt. Blue Chilled Water Return		Gray Job-Molded Plaster Pipe F	tting Insulation	
	121619-02C	Basement - 24" Lt. Blue Chilled Water Return		Gray Job-Molded Plaster Pipe F	itting Insulation	1
	121619-03A	Basement - 8" Orange Condensate Pipe		Paper/Foil over FG Pipe Insulati	on	
	121619-03B	Basement - 4" Cold Water Return pipe		Paper/Foil over FG Pipe Insulati	on	
	121619-04A	Basement - A37 (above Ceiling)		Cloth wrap over FG Pipe Insulat	ion	
	121619-04B	1st Floor - North Duct Chase		Cloth wrap over FG Pipe Insulat	ion	
-	121619-05A	Basement - 16" High Pressure Steam Pipe (Yellow)		Pre-molded Plaster Pipe Insulat	ion	
	121619-05B	Basement - 16" High Pressure Steam Pipe (Yellow)		Pre-molded Plaster Pipe Insulat	ion	
	121619-05C	Basement - 16" High Pressure Steam Pipe (Yellow)		Pre-molded Plaster Pipe Insulat	ion	

Basement - 2" Med Pressure Return Pipe (Room A)

Basement - 16" High Pressure Steam Pipe (Yellow)

6th Floor – Women's Room: Plumbing Chase

Basement - Generator Room (E-76)

Basement - Generator Room (E-76)

1st Floor - Chilled Water Ret Pipe: Air Conditioner (171)

121619-06A

121619-06B

121619-06C

121619-06D

121619-07A

121619-07B

Tan Job-Molded Plaster Pipe Fitting Insulation

White Plaster Pipe Fitting Insulation

White Plaster Pipe Fitting Insulation

Relinquished By:  Received By:  Relinquished By:	Date/Time		AMERI SCI	BULK CHAIN O AMERISCI NE 117 EAST 30TH NEW YORK, N TOLL FREE: (800 PHONE: (212) 67 FAX: (212) 67	W YORK I STREET IY 10016 D) 705-5227 679-8600	
Received By:	Date/Time	):	WWW.AMERICONCOM			
Company: CHA Consulting, Inc.		Project: Study to R	ehab Building 8 & 8A	AMERISci #:	122541	
Street Address: 3 Winners Circle		Proj Mgr: Henry Uhlig Proj #: 36038				
City: Albany State: NY Zip: 12205		Proj Address: 1220 Washington Ave – Bldg. 8 & 8A Proj State: NY				
Phone:			Analysis:PLM; Positive Stop;TEM; NY ELAP PLM/TEM w/ NOB Prep.			
Fax Results? Y Fax #:		ASTM Dust (Microvac)(Wipe); Qualitative; NY ELAP 198.8 Vermiculite				
Email Results?	mail: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: Bul	kDust Water	
Results to: John Roche	, Henry Uhlig, Jim Morey	Sampled By: John Roche/Tom Bailly Date Sampled: 10/28-11/21/19				
Special Instructions or C	Comments: Building 8					
Lab ID Field ID	Location		Sample Desc	ription (dust area)	Homogenous Area	
121619-07C	Basement - Generator Room (E-76)		White Plaster Pipe Fitting Insul		1+5lup	
121619-08A	1st Floor - Air Conditioner (171)		White Plaster Insulation under Chicken Wire on Air Handler (Inner)		+ Stop	
121619-08B	1st Floor - Air Conditioner (171)		White Plaster Insulation under Chicken Wire on Air Handler (Inner)			
121619-08C	lst Floor - Air Conditioner (171)		White Plaster Insulation under Chicken Wire on Air Handler (Inner)			
121619-09A	1st Floor - Air Conditioner (171)		Gray Plaster Insulation under Chicken Wire on Air Handler (Outer)			
121619-09B	1st Floor - Air Conditioner (171)		Gray Plaster Insulation under Chicken Wire on Air Handler (Outer)			
121619-09C	1st Floor - Air Conditioner (171)		Gray Plaster Insulation under Chicken Wire on Air Handler (Outer)			
121619-10A	Basement - 24" Lt. Blue Chilled Water Return		White Pipe End Cap Sealant			
121619-10B	Basement - 24" Lt. Blue Chilled Water Return		White Pipe End Cap Sealant			
121619-11A	5th Floor - Men's Room: Plumbing Chase		Black Pipe End Cap Sealant			
121619-11B	5th Floor - Men's Room: Plumbing Chase		Black Pipe End Cap Sealant			
121619-12A	7th Floor - above Hatch near EC 87B		Foil/Yellow Paper over FG Duct Insulation			
121619-12B	1st Floor - North Duct Chase		Foil/Yellow Paper over FG Duct	Insulation		
121619-13A	1st Floor - North Duct Chase		Foil ed Paper over FG Duct In:	sulation		

Foil/Red Paper over FG Duct Insulation

Black Sealant over FG Duct Insulation (Inner Layer)

Black Sealant over FG Duct Insulation (Inner Layer)

Paper/Yellow/Black Mastic under Cloth Wrap (Middle)

121619-13B

121619-14A

121619-14B

121619-15A

2nd Floor - Duct Chase near Water Fountain

Basement - A Room

Basement - A Room

Basement - A Room

Relinquish	ed By:		Date/Time:	12/16/19 1600		BULK CHAIN AMERISCI N	
Receive	ed By:	7.3/4	Date/Time:	12/17/19 13:08	AMERI SC		, NY 10016
Relinquish	ed Bv:	Į.	Date/Time:			TOLL FREE: (8 PHONE: (212	2) 679-8600
Receive			Date/Time:		WWW.AMERISCI.COM	FAX: (212)	
Recount	ou by.					AMERISCI #: 219	122541
Company:	CHA Consulti	ing, Inc.		Project: Study to Re	ehab Building 8 & 8		
Street Addr	ress: 3 Winne	rs Circle		Proj Mgr: Henry Uhl	iig	Proj #: 360	)38
City: Alban	V	State: NY Zip: 12205		Proj Address: 1220	Washington Ave -	- Bldg. 8 & 8A Proj State	: NY
Phone:		Cell: (518) 598-6689		Analysis:PLM;	<del>_</del>		M/TEM w/ NOB Prep.
Fax Results	s? Y Fax	#:		ASTM Dust (Micr		Qualitative; NY ELA	AP 198.8 Vermiculite
Email Resu	ılts? Y En	nail: JRoche@Chacompanies.com		Turnaround Time:	5 Day	Material Type: B	ulkDust Water
Results to:		Henry Uhlig, Jim Morey		Sampled By: John	Roche/Tom Bailly	Date Sampled: 10/	
Special Inst	tructions or C	omments: Building 8					
Lab ID	Field ID	Location	on		Sample De	scription (dust area)	Homogenous Area
1	121619-15B	Basement - A Room			Paper/Yellow/Black Mastic	under Cloth Wrap (Middle)	
1	121619-16A	Basement - A Room			Cloth Wrap over FG Duct in	nsulation (Outer Layer)	
1	121619-16B	Basement - A Room			Cloth Wrap over FG Duct in	nsulation (Outer Layer)	
1	121619-17A	1st Floor - North Duct Chase			Gray Duct Sealant		
1	121619-17B	5th Floor - North Duct Chase			Gray Duct Sealant		
1	121619-18A	Basement - Main Steam Room		i · ·	Black Sealant on Pipes		'
1	121619-18B	Basement - Main Steam Room		<u> </u>	Black Sealant on Pipes	.,	
1	21619-19A	Basement - Main Steam Room			Black Bituminous Sealant b	etween Concrete Forms	
1	121619-19B	Basement - Main Steam Room			Black Bituminous Sealant b	etween Concrete Forms	
1	121619-20A	Basement - E46 (Storage)			Black Bituminous Wall Coa	ting	
1	121619-20B	Basement - E46 (Storage)			Black Bituminous Wall Coa	ting	
1	121619-21A	1st Floor - Computer Room 3			Black Adhesive under Eleva	ated Floor Stand	
1	121619-21B	1st Floor - Computer Room 3			Black Adhesive under Eleva	ated Floor Stand	
1	121619-22A	1st Floor - Payment Processing (Column B)			Yellow Adhesive under Elev	vated Floor Stands	
1	21619-22B	1st Floor - Payment Processing (Column B)			Yellow Adhesive under Elev	vated Floor Stands	
1	121619-23A	1st Floor - Air Conditioner (171)			Yellow Sealant over FG Par	nels under Air Handler	
1	L21619-23B	1st Floor - Air Conditioner (171)			Yellow Sealant over FG Pan	nels under Air Handler	

Black Sealant under Induction Vent

121619-24A

5th Floor - Induction Vent (Column D10)

Relinquished By:  Received By:  Relinquished By:  Received By:			AMERI SCI  WWW.AMERISCI.COM	BULK CHAIN  AMERISCI I  117 EAST 30  NEW YORK  TOLL FREE: (I  PHONE: (21  FAX: (212)	NEW YORK OTH STREET (, NY 10016 800) 705-5227 2) 679-8600
Company: CHA Consul	ting, Inc.	Project: Study to Re	ehab Building 8 & 8A	AmeriSci #: 21	9122541
Street Address: 3 Winne	ers Circle	Proj Mgr: Henry Uhl	,	Proj #: 36	038
City: Albany	State: NY Zip: 12205		Washington Ave – Bl	dg. 8 & 8A Proj State	· NY
Phone:  Fax Results? Y Fax	Cell: (518) 598-6689	Analysis:PLM; ASTM Dust(Micr	Positive Stop;	TEM; NY ELAP PI	
Email Results? Y E	mail: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: B	ulk Dust Water
	, Henry Uhlig, Jim Morey	Sampled By: John	-	Date Sampled: 10	/28-11721/19
Special Instructions or 0	Comments: Building 8				
Lab ID Field ID	Location		Sample Descr	iption (dust area)	Homogenous Area
121619- <b>24B</b>	5th Floor - Induction Vent (Column D10)		Black Sealant under Induction V	/ent	
121619-25A	1st Floor - Payment Processing		Gray Window Frame Caulk (Dou	uble Doors)	
121619-25B	1st Floor - Payment Processing		Gray Window Frame Caulk (Dou	uble Doors)	
121619-26A	4th Floor - Room 400 (Column A5)		Red Flex Duct Sealant at Inducti	ion Vents	
121619-26B	5th Floor - Room 400 (Column A5)		Red Flex Duct Sealant at Inducti	ion Vents	
121619-27A	Basement - Generator Room (E-76)		White Door Frame Caulk		
121619-27B	Basement - Generator Room (E-76)		White Door Frame Caulk		
121619-28A	Basement - Outside Elevators		Red Fire-Stop Sealant		·
121619-28B	5th Floor - Electrical Closet (84B)		Red Fire-Stop Sealant		
121619-29A	1st Floor - ITS Office (I3 Column)		Window Glazing Compound		+ Stup
121619-29B	3rd Floor - Column A5	-	Window Glazing Compound		
121619-29C	4th Floor - Room 400 (Column A5)		Window Glazing Compound		
121619-29D	6th Floor - Column F10		Window Glazing Compound		
121619-30A	Basement		CMU Mortar		
121619-30B	Basement		CMU Mortar		
121619-31A	1st Floor - Stairwell B		Brick Mortar		

Brick Mortar

121619-31B

3rd Floor - Stairwell C

Relinquis	hed By:	Date/Time	e: 12/16/19 16cm		BULK CHAIN	OF CUSTODY
Recei	ر ived By:	Date/Time	a: 12/17/14 13:08	AMERI SCI	117 EAST 3	OTH STREET K, NY 10016
Relinquis	hed By:	Date/Time	•		TOLL FREE:	(800) 705-5227 12) 679-8600
•				WWW.AMERISCI.COM		2) 679-9392
Recei	ived By:	Date/Tim	e:	The state of the s		
Company	: CHA Consul	ting, Inc.	Project: Study to R	ehab Building 8 & 8	AMERISCI #: A 2 1 9	122541
Street Add	dress: 3 Winn	ers Circle	Proj Mgr: Henry Uh	lig	Proj #: 36	•
City: Alba	ny	State: NY Zip: 12205	Proi Address: 1220	) Washington Ave –		
Phone:		Cell: (518) 598-6689	Analysis:PLM;	Positive Stop;		LM/TEM w/ NOB Prep.
Fax Resul	ts? Y Fax	<b>#:</b>		rovac) (Wipe); L	_Qualitative;	AP 198.8 Vermiculite
Email Res	ults? F	mail: JRoche@Chacompanies.com	Turnaround Time:			BulkDust Water
Results to		, Henry Uhlig, Jim Morey	Sampled By: John	· ·	Date Sampled: 10	
Special In	structions or (	Comments: Building 8				
Lab ID	Field ID	Location	,	Sample Des	scription (dust area)	Homogenous Area
	121619-32A	Ground Floor - Service Lobby		Plaster Wall (Base Coat)	- Compared (added and a)	+ 5 top
	121619-32B	3rd Floor - Entrance to Women's Room		Plaster Wall (Base Coat)		1
	121619-32C	5th Floor - Entrance to Women's Room	<u>, , , , , , , , , , , , , , , , , , , </u>	Plaster Wall (Base Coat)		
	121619-33A	Ground Floor - Service Lobby		Plaster Wall (Skim Coat)		
	121619-33B	3rd Floor - Entrance to Women's Room		Plaster Wall (Skim Coat)		
	121619-33C	5th Floor - Entrance to Women's Room		Plaster Wall (Skim Coat)		
	121619-34A	6th Floor - Stairwell B		Black Terrazzo Flooring		
	121619-348	1st Floor - Stairwell B		Black Terrazzo Flooring		
	121619-35A	Basement - Sliding Door b/t F-Room/O-Room Storage		Fire Door Core		
	121619-35B	Basement - Sliding Door b/t F-Room/O-Room Storage		Fire Door Core		
	121619-36A	Basement - Network Core Room (F34)		Joint Compound (Walls)		
	121619-36B	4th Floor - Room 443 (Column E8)		Joint Compound (Walls)		
	121619-37A	Basement - Network Core Room (F34)		Gypsum Board Wall		
	121619-37B	4th Floor - Room 443 (Column E8)		Gypsum Board Wall		
	121619-38A	Ground Floor - Conference Room 6	-	Partition Wall Gypsum Board	d .	
	121619-38B	5th Floor - Column I6		Partition Wall Gypsum Board	d	
	121619-39A	Ground Floor - Nurses Station (14)		Thinset to 4" Yellow CWT	, , , , , , , , , , , , , , , , , , , ,	+ 5tup

Thinset to 4" Yellow CWT

121619-39B

Ground Floor - Nurses Station (14)

50413

Relinquis	hed By:	Date/Tir	ne: 12/16/19 /6 ne: 12/17/11 13:09		BULK CHAIN	OF CUSTODY NEW YORK
Recei	ved By:	Date/Tir	ne: 12/17/19 13:08	AMERI SCI	117 EAST 30	
Relinquis	hed Bv:	Date/Tir				(800) 705-5227
-	ved By:	Date/Ti		WWW.AMERISCI.COM		) 679-9392
		AND THE STREET, I SHOW AND STREET, STR		L A	MERISCI#:	30725
Company:	CHA Consult	ing, Inc.	Project: Study to R	Rehab Building 8 & 8A	21	9122541
Street Add	dress: 3 Winne	ers Circle	Proj Mgr: Henry Uh	olig	Proj #: 36	038
City: Albai	ny	State: NY Zip: 12205	Proj Address: 122	0 Washington Ave – Bldg.	8 & 8A Proj State	e: NY
Phone:	·	Cell: (518) 598-6689	Analysis:PLM;	Positive Stop;T		LM/TEM w/ NOB Prep.
Fax Resul	ts? Y Fax	#:	ASTM Dust(Mic	rovac)(Wipe);	litative;	AP 198.8 Vermiculite
Email Res	ults? \ Er	mail: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: B	BulkDust Water
Results to	: John Roche,	, Henry Uhlig, Jim Morey	Sampled By: John		Date Sampled: 10/	
Special In:	structions or C	comments: Building 8				
yaani aaaa		_				
Lab ID	Field ID	Location		Sample Descript	on (dust area)	Homogenous Area
	121619-40A	Ground Floor - Nurses Station (14)		Seam Grout to 4" Yellow CWT		+Stup
	121619-40B	Ground Floor - Nurses Station (14)		Seam Grout to 4" Yellow CWT		
	121619-41A	Ground Floor - Nurses Station (14)		4" Yellow CWT		
	121619-41B	Ground Floor - Nurses Station (14)		4" Yellow CWT		
	121619-42A	Ground Floor - Nurses Office Bathroom (14)		Thinset to 1" Light Brown CFT		+ Stop
	121619-428	Ground Floor - Nurses Office Bathroom (14)		Thinset to 1" Light-Brown CFT		
	121619-43A	Ground Floor - Nurses Office Bathroom (14)		Seam Grout to 1" Light Brown CFT		
	121619-43B	Ground Floor - Nurses Office Bathroom (14)		Seam Grout to 1" Light Brown CFT	<b>sk</b>	
	121619-44A	Ground Floor - Nurses Office Bathroom (14)		1" Light Brown CFT		
	121619-44B	Ground Floor - Nurses Office Bathroom (14)		1" Light Brown CFT		
	121619-45A	Basement - Men's Bathroom	**************************************	Mastic/Thinset to 1" White CWT		+ Stup
	121619-45B	3rd Floor - Men's Bathroom		Mastic/Thinset to 1" White CWT		
	121619-46A	2nd Floor - Men's Bathroom		Seam Grout to 1". White CWT		
	121619-46B	3rd Floor - Men's Bathroom	· · · · · · · · · · · · · · · · · · ·	Seam Grout to 1" White CWT		
	121619-47A	3rd Floor - Men's Bathroom	· · · · · · · · · · · · · · · · · · ·	1" White CWT		
	121619-478	5th Floor - Men's Bathroom		1" White CWT		
	121619-48A	3rd Floor - Janitors Closet		Thinset to 2" Hexagonal CFT		+ 51,00

Thinset to 2" Hexagonal CFT

121619-48B

7th Floor - Janitors Closet

6 0+ 13

<u> </u>	······································			770		
Relinquisl	hed By:	Date/Ti	me: 12/16/19 160 me: 12/17/19 13:08		BULK CHAIN AMERISCIN	
Recei	ved By:	Date/Ti	me: 12/17/19 13:08	AMERI SCI	117 EAST 30 NEW YORK	THSTREET
Relinquisl	hed Bv:	Date/Tii			TOLL FREE: (8 PHONE: (212	300) 705-5227
	ved By:	Date/Ti		WWW.AMERISCI.COM	FAX: (212)	
Company:	CHA Consult	ing. Inc.			AMERISCI #:	040054
	·			Rehab Building 8 & 8A	<u> </u>	9122541
Street Add	Iress: 3 Winne	ers Circle	Proj Mgr: Henry Uh	ılig	Proj #: 360	)38
City: Albai	ny	State: NY Zip: 12205	Proj Address: 1220	0 Washington Ave – Bld		
Phone:		Cell: (518) 598-6689	Analysis: PLM;	· oom ve etep,	TEM; L NY ELAP PL	M/TEM w/ NOB Prep.
Fax Result	ts? Y Fax	#:	ASTM Dust  (Mic	rovac)(Wipe);Q	ualitative; 🔲 NY ELA	AP 198.8 Vermiculite
Email Res	ults? \ Er	nail: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: Bu	ulk Dust Water
Results to	: John Roche,	Henry Uhlig, Jim Morey	Sampled By: John		Date Sampled: 10/2	
Special Ins	structions or C	comments: Building 8				
Lab ID	Field ID	Location		Sample Descri	ption (dust area)	Homogenous Area
	121619-49A	3rd Floor - Janitors Closet		Seam Grout to 2" Hexagonal CFT		+5/20
	121619-49B	7th Floor - Janitors Closet		Seam Grout to 2" Hexagonal CFT		
	121619-50A	3rd Floor - Janitors Closet		2" Hexagonal CFT		
	121619-50B	7th Floor - Janitors Closet		2" Hexagonal CFT		
	121619-51A	1st Floor - Computer Room 3		Vinyl Covering on Partition Wall		•
	121619-51B	4th Floor - Column I-6		Vinyl Covering on Partition Wall		
	121619-52A	3rd Floor - Canteen		White Vinyl Wall Paper w/ Yellow	Adhesive	
	121619-52B	4th Floor - Canteen		White Vinyl Wall Paper w/ Yellow	Adhesive	
	121619-53A	Ground Floor - Nurses Office Bathroom (14)		Mesh Wall Paper w/ Yellow Adhe	sive	
	121619-53B	Ground Floor - Nurses Office Bathroom (14)		Mesh Wall Paper w/ Yellow Adhe	sive	
	121619-54A	Basement - Network Core Room (F-34)		Maroon Stair Tread		
	121619-54B	Basement - Network Core Room (F-34)		Maroon Stair Tread		
	121619-55A	1st Floor - Ramp into Programming & Analytics		Yellow Mastic to Black Vinyl Floor	ring	+ Stop
	121619-55B	2nd Floor - Ramp into Programming & Analytics	- No. years	Yellow Mastic to Black Vinyl Floor	ring	1 7 104
	121619-56A	1st Floor - Ramp into Programming & Analytics		Black Vinyl Flooring		
	121619-56B	1st Floor - Ramp into Programming & Analytics		Black Vinyl Flooring		

Yellow/Brown Mastic to Black Vinyl Wall Corner Guard

Yellow/Brown Mastic to Black Vinyl Wall Corner Guard

121619-57A

121619-57B

2nd Floor - Entrance to Women's Bathroom

4th Floor - Elevator Lobby (16)

Relinquis	ived By:	Date/Time Date/Time Date/Time Date/Time		AMERI SCI  WWW.AMERISCI.COM	BULK CHAIN  AMERISCI NI 117 EAST 30T  NEW YORK,  TOLL FREE: (80  PHONE: (212)  FAX: (212) 6	EW YORK I'H STREET NY 10016 00) 705-5227 2) 679-8600
Company	: CHA Consul	ting, Inc.	Project: Study to R	ehab Building 8 & 8A	MERISCI#: 219	122541
Street Add	dress: 3 Winne	ers Circle	Proj Mgr: Henry Uh		Proj #: 360	
City: Alba Phone: Fax Resul		State: NY Zip: 12205 Cell: (518) 598-6689 #:		D Washington Ave - Bldg.  Positive Stop;	8 & 8A Proj State: EM; NY ELAP PLM	: NY_
Email Res	sults? \ E	mail: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: Bu	
Results to	: John Roche	, Henry Uhlig, Jim Morey	Sampled By: John	·	Date Sampled: 10/2	
Special In	structions or C	Comments: Building 8				
Lab ID	Field ID	Location		Sample Description	on (dust area)	Homogenous Area
	121619-58A	2nd Floor - Entrance to Women's Bathroom		Black Vinyl Wall Corner Guard		
	121619-58B	4th Floor - Elevator Lobby (16)	79777	Black Vinyl Wall Corner Guard		
	121619-59A	Basement - Network Core Room (F-34)		Yellow Mastic to 4" Maroon Covebas	ie	+ Stop
	121619-59B	Basement - Network Core Room (F-34)		Yellow Mastic to 4" Maroon Covebas	se	
	121619-60A	Basement - Network Core Room (F-34)		4" Maroon Covebase		
	121619-60B	Basement - Network Core Room (F-34)		4" Maroon Covebase		
	121619-61A	1st Floor - Computer Room III	The state of the s	Yellow Mastic to 4" Brown Covebase		+ Stup
	121619-618	1st Floor - Computer Room III		Yellow Mastic to 4" Brown Covebase		1
	121619-62A	1st Floor - Computer Room III		4" Brown Covebase		
	121619-62B	1st Floor - Computer Room III		4" Brown Covebase		
	121619-63A	2nd Floor - Room 226		Brown Mastic to 4" Black Covebase		+ Stop
	121619-63B	7th Floor - Elevator Lobby (16)		Brown Mastic to 4" Black Covebase		7 3701
	121619-64A	2nd Floor - Room 226		4" Black Covebase		

121619-64B

121619-65A

121619-65B

121619-66A

121619-66B

7th Floor - Elevator Lobby (16)

6th Floor - Room 647 (Column G6)

4" Black Covebase

4" Black Covebase

4" Gray Covebase

4" Gray Covebase

Yellow Mastic to 4" Gray Covebase

Yellow Mastic to 4" Gray Covebase

·						
Relinquis	hed By:	Date/T	ime: 12/16/19 160	8		OF CUSTODY
Recei	ved By:	Date/T	ime: 12/16/19/19 13:08	AMERI SCI	117 EAST 30	OTH STREET K, NY 10016
Relinquis	hed By:	Date/T	ime:			(800) 705-5227 12) 679-8600
_	ved By:	Date/1	ime:	WWW.AMERISCI.COM	FAX: (212	2) 679-9392
Company	: CHA Consult	ina. Inc.			RISCI#:	040054
	***************************************			ehab Building 8 & 8A		9122541
Street Add	dress: 3 Winne	rs Circle	Proj Mgr: Henry Uh	lig	Proj #: 36	038
City: Alba	ny	State: NY Zip: 12205	Proj Address: 1220	) Washington Ave – Bldg. 8		
Phone:		Cell: (518) 598-6689	Analysis: PLM;	Positive Stop;	M;	LM/TEM w/ NOB Prep.
Fax Resul	ts? Y Fax	#:	ASTM Dust   (Mici	rovac)(Wipe);	ative; NY EL	AP 198.8 Vermiculite
Email Res	ults? \ En	nail: JRoche@Chacompanies.com	Turnaround Time:	5 Day M	laterial Type: E	Bulk Dust Water
Results to	: John Roche,	Henry Uhlig, Jim Morey	Sampled By: John		Date Sampled: 10	·
Special In	structions or C	omments: Building 8				
Lab ID	Field ID	Location		Sample Description	n (dust area)	Homogenous Area
	121619-67A	3rd Floor - Room 354		Black Mastic to Tan 9"x9" FT		+ St00
	121619-67B	4th Floor - Kitchenette (440)		Black Mastic to Tan 9"x9" FT		
	121619-68A	Ground Floor - Tax Analytics (70)		Black Mastic to Olive 9"x9" FT		
	121619-68B	2nd Floor - Room adjacent to Women's Bathroom		Black Mastic to Olive 9"x9" FT		
	121619-69A	Ground Floor - Room 75A		Black Mastic to Black 9"x9" FT		
	121619-698	Ground Floor - Returns & Processing (35)		Black Mastic to Black 9"x9" FT		
	121619-70A	4th Floor - Entrance to Room 458		Light Brown 9"x9" FT	,,,,	
	121619-70B	4th Floor - Entrance to Room 458		Light Brown 9"x9" FT		
	121619-71A	3rd Floor - Room 354		Tan 9"x9" FT w/ White Swirl		
	121619-71B	4th Floor - Kitchenette (440)		Tan 9"x9" FT w/ White Swirl		
	121619-72A	Ground Floor - Tax Analytics (70)	***************************************	Olive 9"x9" FT w/ White Swirl		
	121619-72B	2nd Floor - Room adjacent to Women's Bathroom		Olive 9"x9" FT w/ White Swirl		
	121619-73A	Ground Floor - Room 75A		Black 9"x9" FT		

Black 9"x9" FT

Black Mastic to Blue 12"x12" FT w/White Swirl

Black Mastic to Blue 12"x12" FT w/White Swirl

Blue 12"x12" FT w/White Swirl

Blue 12"x12" FT w/White Swirl

121619-73B

121619-74A

121619-74B

121619-75A

121619-75B

Ground Floor - Returns & Processing (35)

1st Floor - Room adjacent to Security Check In

1st Floor - Room adjacent to Security Check In

1st Floor - Room adjacent to Security Check In

1st Floor - Room adjacent to Security Check In

Relinquished By: Received By: Relinquished By: Received By:	Date/Tim	FAX: (212) 679-9392
Company: CHA C	onsulting, Inc.	Project: Study to Rehab Building 8 & 8A  AMERISCI #: 219122541
Street Address: 3	Winners Circle	Proj Mgr: Henry Uhlig Proj #: 36038
City: Albany Phone: Fax Results? Y	State: NY Zip: 12205 Cell: (518) 598-6689 Fax #:	Proj Address: 1220 Washington Ave – Bldg. 8 & 8A Proj State: NY  Analysis:PLM;Positive Stop;TEM;NY ELAP PLM/TEM w/ NOB Prep.  ASTM Dust (Microvac)(Wipe);Qualitative;NY ELAP 198.8 Vermiculite
Email Results? Y	Email: JRoche@Chacompanies.com	Turnaround Time: 5 Day Material Type: Bulk Dust Water
	Roche, Henry Uhlig, Jim Morey	Sampled By: John Roche/Tom Bailly Date Sampled: 10/28-11/21/19
Special Instruction	ns or Comments: Building 8	
Lab ID Fie	d ID Location	Sample Description (dust area) Homogenous Area
121619-76	Ground Floor - Internal Affairs (75)	Yellow Mastic to Blue Marbled 12"x12" FT + 5 to P
121619-76	Ground Floor - Internal Affairs (75)	Yellow Mastic to Blue Marbled 12"x12" FT
121619-77	Ground Floor - Internal Affairs (75)	Blue Marbled 12"x12" FT
121619-77	Ground Floor - Internal Affairs (75)	Blue Marbled 12"x12" FT
121619-78	4th Floor - Outside Men's Bathroom	Black Mastic to Off-White Marbled 12"x12" FT + Stup
121619-78	4th Floor - Outside Men's Bathroom	Black Mastic to Off-White Marbled 12"x12" FT
121619-79	4th Floor - Outside Men's Bathroom	Off-White Marbled 12"x12" FT
121619-79	4th Floor - Outside Men's Bathroom	Off-White Marbled 12"x12" FT
121619-80	Basement - Room A-37	Brown Mastic to Beige 12"x12" FT w/White Swirl
121619-80	Basement - Room A-37	Brown Mastic to Beige 12"x12" FT w/White Swir!
121619-81	Basement - Room A-37	Beige 12"x12" FT w/White Swirl
121619-81	Basement - Room A-37	Beige 12"x12" FT w/White Swirl
121619-82	4th Floor - Kitchenette (440)	Yellow/Brown Mastic to Light Green Marbled 12"x12" FT + 5 to P
121619-82	4th Floor - Kitchenette (440)	Yellow/Brown Mastic to Light Green Marbled 12"x12" FT
121619-834	4th Floor - Kitchenette (440)	Light Green Marbled 12"x12" FT
121619-838	4th Floor - Kitchenette (440)	Light Green Marbled 12"x12" FT

Spray-On Fireproofing

Spray-On Fireproofing

121619-84A

121619-84B

1st Floor - Above Ceiling adjacent to Electrical Closet 81B

3rd Floor - Above Ceiling adjacent to Electrical Closet 83B

5.1	51.77	12/14/19 110	<b>8</b>	BULK CHAIN	OF CUSTODY
Relinquished By:	Date/Im	ne: 12/16/19 (6° ne: 12/17/19 13:0	AMEDI SOL	AMERISCI	NEW YORK OTH STREET
Received By:	Date/Tim	ne: 62/14/69 10.00	AMERIOU	NEW YORK	<, NY 10016 (800) 705-5227
Relinquished By:	Date/Tim	ie:		PHONE: (21	12) 679-8600
Received By:	Date/Tin	ne:	WWW.AMERISCI.COM	FAX: (212	) 679-9392
Company: CHA Cons	ulting, Inc.	Project: Study to R	Rehab Building 8 & 8A	AmeriSci #:	1912254
Street Address: 3 Wir	nners Circle	Proj Mgr: Henry Uh		Proj #: 36	<del>-</del>
City: Albany	State: NY Zip: 12205		0 Washington Ave – E		
Phone:	Cell: (518) 598-6689	Analysis:PLM;	Positive Stop;	TEM; NY ELAP P	
Fax Results? Y F	ax #:		crovac)((Wipe);	Qualitative;	AP 198.8 Vermiculite
Email Results?	Email: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: E	BulkDust Water
Results to: John Roc	he, Henry Uhlig, Jim Morey	Sampled By: John	Roche/Tom Bailly	Date Sampled: 10	
Special Instructions o	r Comments: Building 8				
Lab ID Field ID	D Location		Sample Desc	cription (dust area)	Homogenous Area
121619-84C	5th Floor - Above Ceiling adjacent to Electrical Closet 85C		Spray-On Fireproofing	inpuon (dust area)	nomogenous Area
121619-84D	6th Floor - Above Ceiling adjacent to Electrical Closet 86B		Spray-On Fireproofing		
121619-84E	7th Floor - Wall adjacent to Electrical Closet 87B		Spray-On Fireproofing		
121619-85	1st Floor - Hatch in Computer Room III (Column G4) - Above Cei	ling	Bulk Dust/Debris		
121619-86	1st Floor - North Duct Chase - Wall		Bulk Dust/Debris		
121619-87	1st Floor - North Duct Chase - Floor		Bulk Dust/Debris		
121619-88	2nd Floor - Duct Chase near Water Fountain		Bulk Debris - Paper		
121619-89	5th Floor - Women's Room - Plumbing Chase		Bulk Dust/Debris		
121619-90	6th Floor - Column B4 - Plumbing Chase		Bulk Dust/Debris		
121619-91	6th Floor - Women's Room - Plumbing Chase		Bulk Debris - Pipe Wrap		
121619-92	6th Floor - Women's Room - Plumbing Chase	,	Bulk Dust/Debris		
121619-93	7th Floor - Men's Room - Plumbing Chase		Bulk Dust/Debris		
121619-94	Ground Floor - Electrical Panel 8GA - Interior		Bulk Dust/Debris		
121619-95	2nd Floor - Electrical Panel 82D - Interior		Bulk Dust/Debris		
121619-96	4th Floor - Electrical Panel 84B - Interior		Bulk Dust/Debris		

Bulk Dust/Debris

Bulk Dust/Debris

Bulk Dust/Debris

121619-97

121619-98

121619-99

6th Floor - Electrical Panel 86C - Interior

Ground Floor - Electrical Closet 8GA - Floor

Ground Floor - Electrical Closet 8GD - Floor

Relinquis	ved By:	Date/Time Date/Time Date/Time Date/Time		AMERI SCI  WWW.AMERISCI.COM	BULK CHAIN AMERISCI NI 117 EAST 30T NEW YORK, TOLL FREE: (80 PHONE: (212) FAX: (212) 6	EW YORK TH STREET NY 10016 00) 705-5227 ) 679-8600
Company	CHA Consult	ing, Inc.			AMERISCI #: 21	9122541
Ctroot Ada	dress: 3 Winne	ve Cirele		ehab Building 8 & 8A	Proj #: 360	20
***************************************			Proj Mgr: Henry Uh	<del></del>	······································	
City: Alba Phone:	ny ·	State: NY Zip: 12205 Cell: (518) 598-6689		Washington Ave - Blooming	dg. 8 & 8A Proj State: TEM; NY ELAP PLI	
Fax Resul	ts? Y Fax		Analysis: PLM; ASTM Dust (Mic	Positive Stop; rovac)(Wipe);C	<u> </u>	P 198.8 Vermiculite
Email Res	ults? \ Er	nail: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: Bu	ılk Dust Water
Results to	: John Roche,	Henry Uhlig, Jim Morey	Sampled By: John	Roche/Tom Bailly	Date Sampled: 10/2	28-11721/19 LJ
Special In	structions or C	omments: Building 8				
Lab ID	Field ID	Location		Sample Descr	iption (dust area)	Homogenous Area
	121619-100	1st Floor - Electrical Closet/Computer Room III - Floor		Bulk Dust/Debris		
	121619-101	1st Floor - Electrical Closet 81B - Floor		Bulk Dust/Debris		
	121619-102	4th Floor - Electrical Closet 84D - Floor		Bulk Dust/Debris		
	121619-103	6th Floor - Electrical Closet 86C - Floor		Bulk Dust/Debris		
	121619-104	7th Floor - Electrical Closet 87B - Floor		Bulk Dust/Debris		
	121619-105	7th Floor - Conveyor Shaft Room - Floor		Bulk Dust/Debris		
	121619-106	1st Floor - Payment Processing - Perimeter Induction Unit Enclosu	re	Bulk Dust/Debris		
	121619-107	2nd Floor - Column A5 - Perimeter Induction Unit Enclosure	,	Bulk Dust/Debris		
	121619-108	3rd Floor - Column A4 - Perimeter Induction Unit Enclosure		Bulk Dust/Debris		
	121619-109	4th Floor - Room 400 (Column A5) - Perimeter Induction Unit Encl	osure	Bulk Dust/Debris		
	121619-110	5th Floor - Column D10 - Perimeter Induction Unit Enclosure		Bulk Dust/Debris		
*	121619-111	6th Floor - Column J1 - Perimeter Induction Unit Enclosure		Bulk Dust/Debris		
	121619-112	7th Floor - Column B10 - Perimeter Induction Unit Enclosure	·	Bulk Dust/Debris		
	121619-113	1st Floor - Processing & Analytics (Door E11) - Perimeter Induction	unit Enclosure	Bulk Dust/Debris		
	121619-114	Ground Floor - Room 52 - Floor Access Point		Bulk Dust/Debris		

Bulk Dust/Debris

Bulk Dust/Debris

Bulk Dust/Debris

121619-115

121619-116 121619-117 Ground Floor - Nurses Office - Floor Access Point

2nd Floor - adjacent to EC 82B - Floor Access Point

1st Floor - Electrical Closet/Computer Room III - Floor Access Point

			<b>y</b>	KOMON, JAPAN,	APPLIA.
Relinquished By:		: 12/16/19 1600		BULK CHAIN (	
Received By:	Date/Time	: 12/16/19 1600 : 12/17/19 13:09	AMERI SCI	117 EAST 30T NEW YORK,	H STREET
Relinquished By:	Date/Time			TOLL FREE: (80 PHONE: (212)	
Received By:	Date/Time		WWW.AMERISCI.COM	FAX: (212) 6	79-9392
				AmeriSci#:	4005/4
Company: CHA Consu	Iting, Inc.	Project: Study to R	ehab Building 8 & 8A	219	122541
Street Address: 3 Winn	iers Circle	Proj Mgr: Henry Uh	lig	Proj #: 360	38
City: Albany	State: NY Zip: 12205	Proj Address: 1220	Washington Ave – Bl	dg. 8 & 8A Proj State:	NY
Phone:	Cell: (518) 598-6689	Analysis:PLM;	Positive Stop;	TEM; NY ELAP PLA	M/TEM w/ NOB Prep.
Fax Results? Y Fax	x #:	ASTM Dust (Micr	ovac)(Wipe);	Qualitative;   NY ELA	P 198.8 Vermiculite
Email Results?	Email: JRoche@Chacompanies.com	Turnaround Time:	5 Day	Material Type: Bu	ikDust Water
	e, Henry Uhlig, Jim Morey	Sampled By: John		Date Sampled: 10/2	
Special Instructions or	Comments: Building 8	<u> </u>			
Lab ID Field ID	Location	· · · · · · · · · · · · · · · · · · ·		ription (dust area)	Homogenous Area
121619-118	2nd Floor - adjacent to EC 82A- Floor Access Point		Bulk Dust/Debris Bulk Dust/Debris		
121619-119	3rd Floor - Data Closet 83C- Floor Access Point		Bulk Dust/Debris	<u></u>	
121619-120	5th Floor - Column C8- Floor Access Point		Bulk Dust/Debris		
121619-121	6th Floor - adjacent to EC 86C- Floor Access Point		Bulk Dust/Debris	<del> </del>	AND THE STATE OF T
121619-122	7th Floor - adjacent to EC 87D- Floor Access Point				
121619-123A	Exterior - Loading Dock (Soffit)		Cementitious Board		
121619-123B	Exterior - Main Entrance (Vestibule Ceiling)		Cementitious Board		
121619-124A	Exterior - Loading Dock (Soffit)		Gray Seam Caulk		
121619-124B	Exterior - Loading Dock (Soffit)	· · · · · · · · · · · · · · · · · · ·	Gray Seam Caulk		
121619-125A	Exterior - North Side		Black Window Glazing Compou		
121619-125B	Exterior - North Side		Black Window Glazing Compou		
121619-126A	Exterior - North Side		Gray Window Glazing Compour	<del></del>	
121619-126B	Exterior - South Side		Gray Window Glazing Compour		
121619-127A	Exterior - East Side		Gray Window Glazing Compour		
121619-127B	Exterior - Main Entrance (South Side)		Gray Window Glazing Compour	id (Soft)	
	1				



#### AmeriSci New York

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

#### LABORATORY ELECTRONIC TRANSMITTAL

To: James Morey

From:

Jared C. Clarke

CHA Consulting, Inc.

AmeriSci Job #:

219122855

Fax #:

Subject:

ELAP-PLM/TEM 5 day Results

Client Project: 36038; Study To Rehab Building 8

& 8A; 1220 Washington Ave., NY

- Bldg. 8 & 8A

JMorey@chacompanies.com,srosecrans@chacompan

ies.com,jroche@chacompanies.com,huhlig@chacom

panies.com

Date:

Thursday, December 26, 2019

Time:

**Comments:** 

18:10:27

**Number of Pages:** 

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

CONFIDENTIALITY NOTICE: Unless otherwise indicated, the information contained in this communication is confidential information intended for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US Postal Service at our expense. Samples are disposed of in 60 days or unless otherwise instructed by the protocol or special instructions in writing. Thank you.



#### AmeriSci New York

117 EAST 30TH ST. NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

## **PLM Bulk Asbestos Report**

CHA Consulting, Inc. Attn: James Morey

111 Winners Circle

Albany, NY 12205

**Date Received** 

12/19/19

AmeriSci Job #

219122855

Date Examined

12/26/19

P.O. #

of

25 11480 **Page** ELAP# RE: 36038; Study To Rehab Building 8 & 8A; 1220 Washington

Ave., NY - Bldg. 8 & 8A

Client No. / H	GA I	Lab No.	Asbestos Present	Total % Asbestos
121719-01A 1	219 <b>Location</b> : Basement - MER (	9122855-01 North) - Air Handle	<b>Yes</b> er A - Gray Plaster Insulation	14.3 % ¹ (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos	ription: Grey, Homogeneous, Fibr Types: Chrysotile 14.3 % aterial: Fibrous glass 5 %, Non-fi			
121719-01B	219 <b>Location</b> : Basement - MER	9122855-02 (North) - Air Handl	er B - Gray Plaster Insulation	NA/PS

Analyst Description: Bulk Material

**Asbestos Types:** Other Material:

121719-01C

1

219122855-03

NA/PS

Location: Basement - MER (North) - Air Handler C - Gray Plaster Insulation

Analyst Description: Bulk Material

**Asbestos Types:** Other Material:

121719-02A

219122855-04

Yes

12.5 %

2

Location: Basement - MER (North) - 6" Gray Generator Exhaust Pipe - Gray Pre-Molded Plaster Pipe Insulation

(by NYS ELAP 198.1) by Jared C. Clarke

on 12/26/19

Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material

Asbestos Types: Amosite 12.5 % Other Material: Non-fibrous 87.5 %

121719-02B

219122855-05

NA/PS

2

Location: Basement - MER (North) - 6" Gray Generator Exhaust Pipe - Gray

Pre-Molded Plaster Pipe Insulation

Analyst Description: Bulk Material

**Asbestos Types:** Other Material:

AmeriSci Job #: 219122855

Client Name: CHA Consulting, Inc.

# **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / H	GA	Lab No.	Asbestos Present	Total % Asbestos
121719-02C 2		219122855-06 ER (North) - 6" Yellow nsulation	Hight Temp Pipe - Gray Pre-Molded	NA/PS
Analyst Desc Asbestos Other M	<del>-</del> -			
121719-03A		219122855-07	Yes	6 %
3	<b>Location</b> : Basement - M Plaster Pipe F	IER (North) - 6" Yellow Fitting Insulation	Hight Temp Pipe - Gray Job-Molded	(EPA 400 PC) by Jared C. Clarke on 12/26/19
Asbestos	ription: Grey, Homogeneous, Types: Chrysotile 6.0 % aterial: Non-fibrous 94 %	Fibrous, Bulk Materia	I	
121719-03B		219122855-08		NA/PS
3	Location: Basement - M	IER (North) - 2" Orang	e Low Pressure Steam Pipe - Gray	
	Job-Molded P	Plaster Pipe Fitting Insu	ılation	
Analyst Desc Asbestos Other N	ription: Bulk Material Types:	Plaster Pipe Fitting Insu	llation	
Asbestos Other M	ription: Bulk Material Types:  aterial:	219122855-09	lation	NA/PS
Asbestos	ription: Bulk Material Types: aterial: Location: Basement - N	219122855-09	v Low Pressure Steam Pipe - Gray	NA/PS
Asbestos Other M  121719-03C  3  Analyst Desc Asbestos	ription: Bulk Material Types: laterial:  Location: Basement - N Job-Molded F	219122855-09 //ER (South) - 2" Yellov	v Low Pressure Steam Pipe - Gray	NA/PS
Asbestos Other M  121719-03C  3  Analyst Desc Asbestos Other M	ription: Bulk Material Types: laterial:  Location: Basement - M Job-Molded F  ription: Bulk Material Types: laterial:	219122855-09 MER (South) - 2" Yellov Plaster Pipe Fitting Inst	v Low Pressure Steam Pipe - Gray ulation	NAD
Asbestos Other M  121719-03C  3  Analyst Desc Asbestos	ription: Bulk Material Types:  aterial:   Location: Basement - North Molded Filterial:   Types:  aterial:   Location: Basement - North Molded Filterial:   Location:	219122855-09 MER (South) - 2" Yellov Plaster Pipe Fitting Inst	v Low Pressure Steam Pipe - Gray ulation	NAD
Asbestos Other M  121719-03C  3  Analyst Desc Asbestos Other M  121719-04A  4  Analyst Desc Asbestos	ription: Bulk Material Types:  aterial:   Location: Basement - Nob-Molded Filterial:   Types:  aterial:   Location: Basement - Nob-Molded Filterial:   Location: Basement - Nob-Molded Filterial:   Location: Basement - Nob-Molded Filterial:   Cocation: Basement - Nob-Molded Filterial:   Cocat	219122855-09 MER (South) - 2" Yellov Plaster Pipe Fitting Inst  219122855-10 MER (North) - 3" Blue (Ided Plaster Coating s, Fibrous, Bulk Materia	v Low Pressure Steam Pipe - Gray ulation  No Chilled Water Pipe Adj. To Air Handler B	NAD - (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos Other M  121719-03C  3  Analyst Desc Asbestos Other M  121719-04A  4  Analyst Desc Asbestos	ription: Bulk Material Types: laterial:  Location: Basement - N Job-Molded F  ription: Bulk Material Types: laterial:  Location: Basement - N Gray Pre-Mole cription: Grey, Homogeneous Types: laterial: Fibrous glass 15 %,	219122855-09 MER (South) - 2" Yellov Plaster Pipe Fitting Inst  219122855-10 MER (North) - 3" Blue (Instead Plaster Coating S, Fibrous, Bulk Materia Non-fibrous 85 %	v Low Pressure Steam Pipe - Gray ulation  No Chilled Water Pipe Adj. To Air Handler B	NAD - (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19

Other Material: Fibrous glass 15 %, Non-fibrous 85 %

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Total % Asbestos **Asbestos Present** Lab No. Client No. / HGA NAD 219122855-12 No 121719-04C Location: Basement - MER (North) - 3" Blue Chilled Water Pipe Adj. To Air Handler B - (by NYS ELAP 198.1) 4 by Jared C. Clarke **Gray Pre-Molded Plaster Coating** on 12/26/19 Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Other Material: Fibrous glass 15 %, Non-fibrous 85 % 3 % Yes 219122855-13 121719-05A Location: Ground Floor - Cafeteria - Gray Job-Molded Plaster Coating Over Pipe Fitting (EPA 400 PC) 5 by Jared C. Clarke **FG Insulation** on 12/26/19 Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material Asbestos Types: Chrysotile 3.0 % Other Material: Fibrous glass 15 %, Non-fibrous 82 % NA/PS 219122855-14 121719-05B Location: Ground Floor - Cafeteria - Gray Job-Molded Plaster Coating Over Pipe Fitting 5 FG Insulation Analyst Description: Bulk Material **Asbestos Types:** Other Material: NA/PS 219122855-15 121719-05C Location: Ground Floor - Cafeteria - Gray Job-Molded Plaster Coating Over Pipe Fitting 5 Analyst Description: Bulk Material **Asbestos Types:** Other Material: NAD No 219122855-16 121719-06A Location: Basement - MER (North) - 2" Orange Low Pressure Steam Pipe - Pipe End (by NYS ELAP 198.6) 6 by Jared C. Clarke Cap Sealant (FG PI) on 12/26/19 Analyst Description: White/Orange, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Other Material: Fibrous glass 3 %, Non-fibrous 10.5 % NAD No 219122855-17 121719-06B Location: Basement - MER (North) - 2" Orange Low Pressure Steam Pipe - Pipe End (by NYS ELAP 198.6) 6 by Jared C. Clarke Cap Sealant (FG PI) on 12/26/19 Analyst Description: White/Orange, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Other Material: Fibrous glass 3 %, Non-fibrous 13.3 %

AmeriSci Job #: 219122855

Client Name: CHA Consulting, Inc.

## **PLM Bulk Asbestos Report**

Client No. / HG	A La	b No.	Asbestos Present	Total % Asbesto
121719-07A		22855-18	Yes	2.8 %
7	Location: Basement - MER (No Sealant	rth) - 6" Yellow High	Tomp : ipo	(EPA 400 PC) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: Yellow/Grey, Homogeneous, pes: Chrysotile 2.8 % erial: Synthetic fibers 80 %, Non-f		rial	
121719-07B		22855-19		NA/PS
7	Location: Basement - MER (No Sealant	rth) - 6" Yellow High	ı Temp Pipe - Plaster Pipe End Cap	
Analyst Descrip Asbestos Ty Other Mate				
121719-07C	2191	22855-20		NA/PS
7	Location: Basement - MER (No Sealant	rth) - 6" Yellow High	n Temp Pipe - Plaster Pipe End Cap	
Analyst Descrip Asbestos Ty Other Mate				
121719-08A	2191	22855-21	No	NAD
8	Location: Basement - MER (No Over FG Pipe Insula	orth) - 2" Orange Lov tion	w Pressure Steam Pipe - Cloth Wrap	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: OffWhite, Homogeneous, Fi ypes: erial: Synthetic fibers 60 %, Non-			
		22855-22	No	NAD
121719-08B 8	Location: Basement - MER (N Pipe Insulation	orth) - 6" Yellow High	h Temp Pipe - Cloth Wrap Over FG	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Analyst Doccrit	otion: OffWhite, Homogeneous, Fi ypes: erial: Synthetic fibers 60 %, Non-			
Asbestos T			No	NAD
Asbestos T Other Mat	2191	22855-23		
Asbestos T	2191 Location: Basement - MER (N Insulation	orth) - 4" Lt. Blue Pi	pe - Paper / Foil Over Styrofoam Pipe	by Jared C. Clarke on 12/26/19

## **PLM Bulk Asbestos Report**

121719-09B 9	2191228		
	Z 10 1220	5-24 <b>No</b>	NAD
	Foil Over Styrofoam Pipe		(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Tyr	on: Silver/Blue, Heterogeneous, Fibro pes: rial: Cellulose 35 %, Fibrous glass 5		
121719-10A	2191228		NAD
10	Location: Basement - Main Area Ab / Foil Over FG Pipe Insula	ve Suspended Ceiling (Column B2) - Brown Paper on	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	i <b>on</b> : Silver/Brown, Heterogeneous, Fil pes: rial: Cellulose 38 %, Fibrous glass 2		
121719-10B	2191228	5-26 <b>No</b>	NAD
10	Location: Basement - Main Area Ab / Foil Over FG Pipe Insula	ve Suspended Ceiling (Column E2) - Brown Paper on	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	ion: Silver/Brown, Heterogeneous, Fil pes: rial: Cellulose 38 %, Fibrous glass 2		
121719-11A	2191228		NAD
11	Location: Basement - Main Area Ab Paper Over FG Duct Insu	ve Suspended Ceiling (Column B2) - Foil / Red tion	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	ion: Silver/Red, Heterogeneous, Fibro oes: rial: Cellulose 25 %, Fibrous glass 5		
121719-11B	2191228	5-28 <b>No</b>	NAD
11	Location: Basement - Main Area At Paper Over FG Duct Insu	ve Suspended Ceiling (Column E2) - Foil / Red ition	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Tv	ion: Silver/Red, Heterogeneous, Fibro pes: rial: Cellulose 20 %, Fibrous glass 1		
121719-12A	2191228		NAD
12	Location: Basement - Main Area Al Paper Over FG Duct Insu	ve Suspended Ceiling (Column B2) - Foil / Brown tion	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Awalant Deposins	ion: Silver/Brown, Heterogeneous, Fi	rous, Bulk Material	
Analyst Descript	pes:		

## **PLM Bulk Asbestos Report**

Client No. / HG/	L:	ab No.	Asbestos Present	Total % Asbesto
121719-12B		22855-30	No	NAD
12	Location: Basement - Main Ar Paper Over FG Duc	ea Above Suspende ∶Insulation	d Ceiling (Column E2) - Foil / Brown	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	ion: Silver/Brown, Heterogeneou nes: rial: Cellulose 30 %, Fibrous gla			
121719-13A		22855-31	No	NAD
13	Location: Basement - MER (N Layer)	orth) - Black Sealan	t Over FG Duct Insulation (Inner	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Ty	ion: Black, Homogeneous, Non- pes: rial: Fibrous glass 2 %, Non-fib		ial	
121719-13B	219	122855-32	No	NAD
13	Location: Basement - MER (N Layer)	orth) - Black Sealan	t Over FG Duct Insulation (Inner	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Ty	t <b>ion</b> : Black, Homogeneous, Non- pes: rial: Fibrous glass 1 %, Non-fib		ial	
121719-14A		122855-33	No	NAD
14	Location: Basement - MER (N Layer)	orth) - Brown Paper	· / Mastic Under Cloth Wrap (Middle	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
		s, Non-Fibrous, Bul	k Material	
Asbestos Ty	ti <b>on</b> : Black/Brown, Homogeneou <b>pes</b> : rial: Non-fibrous 1 %			
Asbestos Ty Other Mate	pes: rial: Non-fibrous 1 % 219	122855-34	No	NAD
Asbestos Ty Other Mate 121719-14B	pes: rial: Non-fibrous 1 % 219	122855-34	<b>No</b> r / Mastic Under Cloth Wrap (Middle	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Ty Other Mate  121719-14B  14  Analyst Descrip Asbestos Ty	pes: erial: Non-fibrous 1 %  219  Location: Basement - MER (Name of the layer)  tion: Black/Brown, Homogeneou	122855-34 lorth) - Brown Paper	r / Mastic Under Cloth Wrap (Middle	(by NYS ELAP 198.6) by Jared C. Clarke
Asbestos Ty Other Mate 121719-14B 14 Analyst Descrip Asbestos Ty Other Mate	pes:  rial: Non-fibrous 1 %  219  Location: Basement - MER (Nayer)  tion: Black/Brown, Homogeneoupes:  rial: Non-fibrous 6.9 %	122855-34 lorth) - Brown Paper is, Non-Fibrous, Bul 122855-35	r / Mastic Under Cloth Wrap (Middle k Material	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Ty Other Mate  121719-14B  14  Analyst Descrip Asbestos Ty	pes:  rial: Non-fibrous 1 %  219  Location: Basement - MER (Nayer)  tion: Black/Brown, Homogeneoupes:  rial: Non-fibrous 6.9 %	122855-34 lorth) - Brown Paper is, Non-Fibrous, Bul 122855-35	r / Mastic Under Cloth Wrap (Middle k Material	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19

## **PLM Bulk Asbestos Report**

Asbestos Ty	<b>tion</b> : Beige, Homogeneous		<b>No</b> p Over FG Duct Insulation (Outer Layer)	
Analyst Descrip Asbestos Ty Other Mate	<b>tion</b> : Beige, Homogeneous		p Over FG Duct Insulation (Outer Layer)	
Asbestos Ty Other Mate	_			by Jared C. Clarke on 12/26/19
121710-16Δ	erial: Synthetic fibers 80 %			
121/13"10/		219122855-37	No	NAD
16	Location: Basement - M Layer)	IER (North) - Black Seal	lant Over FG Pipe Insulation (Inner	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: Black, Homogeneous rpes: erial: Non-fibrous 0.4 %	s, Non-Fibrous, Bulk Ma	terial	
121719-16B	<del></del>	219122855-38	No	NAD
16	Location: Basement - M Layer)	IER (North) - Black Seal	lant Over FG Pipe Insulation (Inner	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: Black, Homogeneous rpes: erial: Non-fibrous 1.1 %	s, Non-Fibrous, Bulk Ma	lerial	·
121719-17A		219122855-39	No	NAD
17	Location: Basement - M Layer)	IER (North) - White Pap	er / Foil Over FG Pipe Insulation (Outer	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: Silver/White, Heterog pes: prial: Cellulose 35 %, Fibr			
121719-17B		219122855-40	No	NAD
17	Location: Basement - M Layer)	IER (North) - White Pap	er / Foil Over FG Pipe Insulation (Outer	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: Silver/White, Heterog pes: erial: Cellulose 35 %, Fibr			
121719-18A		219122855-41	No	NAD
18	Location: Basement - N	IER (North) - Pump Trai	nsmission - Green Flange Gasket	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
	tion: Green, Homogeneou	s, Non-Fibrous, Bulk Ma	aterial	
Analyst Descrip Asbestos Ty		•		

## **PLM Bulk Asbestos Report**

Client No. / H	GA Lab No. Asbestos Prese	nt Total % Asbestos
121719-18B	219122855-42 <b>No</b>	NAD
18	Location: Basement - MER (North) - Pump Transmission - Green Flange C	Gasket (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Green, Homogeneous, Non-Fibrous, Bulk Material Types: aterial: Wollastonite 5 %, Non-fibrous 34.4 %	
121719-19A	219122855-43 <b>No</b>	NAD
19	Location: Basement - South Lobby - Black Terrazzo Flooring	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos	iption: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Types: aterial: Non-fibrous 100 %	
121719-19B	219122855-44 <b>No</b>	NAD
19	Location: Basement - South Lobby - Black Terrazzo Flooring	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos	iption: Black, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Types: aterial: Non-fibrous 100 %	
121719-20A	219122855-45 <b>No</b>	NAD
20	Location: Basement - MER (North) - CMU Mortar	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos	iption: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Types: aterial: Non-fibrous 100 %	
121719-20B	219122855-46 <b>No</b>	NAD
20	Location: Basement - OGS Plant Utilities (Engineer's Office) - CMU Mortar	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
A a la 4 Danasa	iption: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Types:	
Asbestos	aterial: Non-fibrous 100 %	
Asbestos Other Ma		NAD
Asbestos	aterial: Non-fibrous 100 %	

## **PLM Bulk Asbestos Report**

	A Lab No.	Asbestos Present	Total % Asbesto
121719-21B 21	219122855-48  Location: Basement - MER (South) - Lag Cloth V	<b>No</b> Vrap Over FG Pipe Insulation	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: OffWhite, Homogeneous, Fibrous, Bulk Materi rpes: erial: Fibrous glass 90 %, Non-fibrous 10 %	ial	
121719-22A 22	219122855-49 <b>Location</b> : Basement - Lobby - Wall Plaster (Base	<b>No</b> e Coat)	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: Grey, Homogeneous, Non-Fibrous, Cementitionpes: Prial: Non-fibrous 100 %	ous, Bulk Material	
121719-22B	219122855-50	No	NAD
22	Location: Basement - OGS Custodial Staff - Wal	ll Plaster (Base Coat)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	tion: Grey, Homogeneous, Non-Fibrous, Cementitio pes: erial: Non-fibrous 100 %	ous, Bulk Material	
121719-22C	219122855-51	No	NAD
		·	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
22 Analyst Descrip Asbestos Ty	219122855-51  Location: Ground Floor - Cafeteria - Wall Plaster  tion: Grey, Homogeneous, Non-Fibrous, Cementition	r (Base Coat)	(by NYS ELAP 198.1) by Jared C. Clarke
Analyst Descrip Asbestos Ty Other Mate	219122855-51  Location: Ground Floor - Cafeteria - Wall Plaster  tion: Grey, Homogeneous, Non-Fibrous, Cementition  pes:	r (Base Coat)	(by NYS ELAP 198.1) by Jared C. Clarke
Asbestos Ty	219122855-51  Location: Ground Floor - Cafeteria - Wall Plaster  tion: Grey, Homogeneous, Non-Fibrous, Cementition  rpes:  erial: Non-fibrous 100 %	r (Base Coat)  ous, Bulk Material  No	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Analyst Descrip Asbestos Ty Other Mate  121719-23A  23  Analyst Descrip Asbestos Ty	219122855-51  Location: Ground Floor - Cafeteria - Wall Plaster  tion: Grey, Homogeneous, Non-Fibrous, Cementition  pes:  erial: Non-fibrous 100 %  219122855-52  Location: Basement - Lobby - Wall Plaster (Skimution: White, Homogeneous, Non-Fibrous, Bulk Mater	r (Base Coat)  Dus, Bulk Material  No  n Coat)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19 NAD (by NYS ELAP 198.1) by Jared C. Clarke
Analyst Descrip Asbestos Ty Other Mate  121719-23A  23  Analyst Descrip Asbestos Ty	219122855-51  Location: Ground Floor - Cafeteria - Wall Plaster  tion: Grey, Homogeneous, Non-Fibrous, Cementition  pes: erial: Non-fibrous 100 %  219122855-52  Location: Basement - Lobby - Wall Plaster (Skimulation: White, Homogeneous, Non-Fibrous, Bulk Materpes: erial: Non-fibrous 100 %  219122855-53	No Pous, Bulk Material  No Pous Coat)  Private Coat	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19 NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Analyst Descrip Asbestos Ty Other Mate  121719-23A 23  Analyst Descrip Asbestos Ty Other Mate	219122855-51  Location: Ground Floor - Cafeteria - Wall Plaster  tion: Grey, Homogeneous, Non-Fibrous, Cementition  pes:  erial: Non-fibrous 100 %  219122855-52  Location: Basement - Lobby - Wall Plaster (Skim  tion: White, Homogeneous, Non-Fibrous, Bulk Mater  pes:  erial: Non-fibrous 100 %	No Pous, Bulk Material  No Pous Coat)  Private Coat	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19 NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19

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Client Name: CHA Consulting, Inc.

## **PLM Bulk Asbestos Report**

Client No. / H	GA Lab No.	Asbestos Present	Total % Asbesto
121719-23C 23	219122855-54  Location: Ground Floor - Cafeteria - Wall Plaster (	<b>No</b> Skim Coat)	NAD (by NYS ELAP 198.1)
23	Location. Ground Floor Galetona Wall Flactor	Olim Godly	by Jared C. Clarke on 12/26/19
Asbestos	iption: White, Homogeneous, Non-Fibrous, Bulk Mater Types: ıterial: Non-fibrous 100 %	ial	
121719-24A	219122855-55	No	NAD
24	Location: Basement: Outside OGS Custodial Staff Wall Gypsum Board	- Vinyl Wall Paper Over Partition	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	i <b>ption:</b> Beige, Homogeneous, Non-Fibrous, Bulk Mater <b>Types:</b> I <b>terial:</b> Non-fibrous 3.3 %	ial	
121719-24B	219122855-56	No	NAD
24	Location: Basement: Outside OGS Custodial Staff Wall Gypsum Board	- Vinyl Wall Paper Over Partition	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Beige, Homogeneous, Non-Fibrous, Bulk Materi Types: Iterial: Non-fibrous 5.6 %	ial	
121719-25A	219122855-57	No	NAD
25	Location: Basement: Outside OGS Custodial Staff	- Partition Wall Gypsum Board	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos	ption: Grey/Brown, Homogeneous, Non-Fibrous, Bulk Types: terial: Cellulose 2 %, Non-fibrous 98 %	Material	
121719-25B	219122855-58	No	NAD
25	Location: Basement: Outside OGS Custodial Staff	- Partition Wall Gypsum Board	(by NYS ELAP 198.1) by Jared C. Clarke
			on 12/26/19
Analyst Descri	ption: Grey/Brown, Heterogeneous, Fibrous, Bulk Mate Types: terial: Cellulose 10 %, Non-fibrous 90 %	erial	on 12/26/19
Analyst Descri Asbestos Other Ma	Types:	erial No	on 12/26/19  NAD
Analyst Descri	Types: terial: Cellulose 10 %, Non-fibrous 90 %	No	
Analyst Descri Asbestos Other Ma 121719-26A 26	Types: terial: Cellulose 10 %, Non-fibrous 90 %  219122855-59  Location: Basement: OGS Custodial Staff - Joint Control of the	<b>No</b> Compound (Wall)	NAD (by NYS ELAP 198.1) by Jared C. Clarke

## **PLM Bulk Asbestos Report**

	GA Lab No	. Asbestos Prese	ent Total % Asbesto
121719-26B	219122855	60 <b>No</b>	NAD
26	Location: Basement: OGS Custodial S	aff - Joint Compound (Wall)	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos	ption: White, Homogeneous, Non-Fibrous, Fypes: Iterial: Non-fibrous 100 %	Bulk Material	
121719-27A	219122855-	61 <b>No</b>	NAD
27	Location: Basement: OGS Custodial St		(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos	ption: Grey/Brown, Homogeneous, Non-Fib Types: terial: Cellulose 3 %, Non-fibrous 97 %	rous, Bulk Material	
121719-27B	219122855-	62 <b>No</b>	NAD
27	Location: Basement: OGS Custodial St		(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Allalyst Desci	ption: Grey/Brown, Heterogeneous, Fibrous		
	•		NAD
Other Ma 121719-28A	Types: terial: Cellulose 15 %, Non-fibrous 85 %	63 <b>No</b>	
Other Ma 121719-28A 28 Analyst Descri	Types: terial: Cellulose 15 %, Non-fibrous 85 %  219122855- Location: Basement: Men's Bathroom - ption: Grey, Homogeneous, Non-Fibrous, C	63 <b>No</b> Thinset To 2" White Hexagonal C	FT (by NYS ELAP 198.1) by Jared C. Clarke
Other Ma 121719-28A 28 Analyst Descri	Types: terial: Cellulose 15 %, Non-fibrous 85 %  219122855- Location: Basement: Men's Bathroom - ption: Grey, Homogeneous, Non-Fibrous, Crypes:	63 <b>No</b> Thinset To 2" White Hexagonal C Cementitious, Bulk Material	FT (by NYS ELAP 198.1) by Jared C. Clarke
Other Ma 121719-28A 28  Analyst Descri Asbestos Other Ma 121719-28B	terial: Cellulose 15 %, Non-fibrous 85 %  219122855- Location: Basement: Men's Bathroom -  ption: Grey, Homogeneous, Non-Fibrous, Crypes: terial: Non-fibrous 100 %  219122855- Location: Basement: Women's Bathroom	63 <b>No</b> Thinset To 2" White Hexagonal C Cementitious, Bulk Material  64 <b>No</b> m - Thinset To 2" White Hexagona	FT (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19 NAD
Other Ma 121719-28A 28  Analyst Descri Asbestos Other Ma 121719-28B 28  Analyst Descri Asbestos	terial: Cellulose 15 %, Non-fibrous 85 %  219122855- Location: Basement: Men's Bathroom -  ption: Grey, Homogeneous, Non-Fibrous, Crypes: terial: Non-fibrous 100 %  219122855- Location: Basement: Women's Bathroo  ption: Grey, Homogeneous, Non-Fibrous, C	63 <b>No</b> Thinset To 2" White Hexagonal C Cementitious, Bulk Material  64 <b>No</b> m - Thinset To 2" White Hexagona	by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19  NAD al CFT (by NYS ELAP 198.1) by Jared C. Clarke
Other Ma 121719-28A 28  Analyst Descri Asbestos Other Ma 121719-28B 28  Analyst Descri Asbestos Other Ma	terial: Cellulose 15 %, Non-fibrous 85 %  219122855- Location: Basement: Men's Bathroom -  ption: Grey, Homogeneous, Non-Fibrous, Crypes: terial: Non-fibrous 100 %  219122855- Location: Basement: Women's Bathroo  ption: Grey, Homogeneous, Non-Fibrous, Crypes:	63 <b>No</b> Thinset To 2" White Hexagonal Comentitious, Bulk Material 64 <b>No</b> m - Thinset To 2" White Hexagonal cementitious, Bulk Material	by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19  NAD al CFT (by NYS ELAP 198.1) by Jared C. Clarke
Other Ma 121719-28A 28  Analyst Descri Asbestos Other Ma 121719-28B 28  Analyst Descri Asbestos	terial: Cellulose 15 %, Non-fibrous 85 %  219122855- Location: Basement: Men's Bathroom -  ption: Grey, Homogeneous, Non-Fibrous, Crypes: terial: Non-fibrous 100 %  219122855- Location: Basement: Women's Bathroo  ption: Grey, Homogeneous, Non-Fibrous, Crypes: terial: Non-fibrous 100 %	63 <b>No</b> Thinset To 2" White Hexagonal Comentitious, Bulk Material  64 <b>No</b> m - Thinset To 2" White Hexagonal Cementitious, Bulk Material	https://www.new.new.new.new.new.new.new.new.new.

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Client Name: CHA Consulting, Inc.

## **PLM Bulk Asbestos Report**

Client No. / HG/	A Lab No.	Asbestos Present	Total % Asbesto
121719-29B 29	219122855-66 <b>Location:</b> Basement: Women's Bathroom - Sea	<b>No</b> Im Grout To 2" White Hexagonal CFT	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	ion: Grey, Homogeneous, Non-Fibrous, Cementit pes: rial: Non-fibrous 100 %	tious, Bulk Material	
121719-30A 30	219122855-67 <b>Location</b> : Basement: Men's Bathroom - 2" Whit	<b>No</b> e Hexagonal CFT	NAD (by NYS ELAP 198.1) by Jared C. Clarke
Asbestos Ty	ion: Cream, Homogeneous, Non-Fibrous, Cemen pes: rial: Non-fibrous 100 %	ntitious, Bulk Material	on 12/26/19
121719-30B	219122855-68	No	NAD
30	Location: Basement: Women's Bathroom - 2" V	Vhite Hexagonal CFT	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos Ty	on: Cream, Homogeneous, Non-Fibrous, Cemen nes: rial: Non-fibrous 100 %	titious, Bulk Material	
121719-31A	219122855-69	No	NAD
31	Location: Basement: Men's Bathroom - Bedding	g Glue To 1" White CWT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Typ	on: Yellow, Homogeneous, Non-Fibrous, Bulk Ma nes: rial: Non-fibrous 11.8 %	aterial	
121719-31B	219122855-70	No	NAD
31	Location: Basement: Women's Bathroom - Bed	ding Glue To 1" White CWT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos Typ	on: Yellow, Homogeneous, Non-Fibrous, Bulk Ma bes: ial: Non-fibrous 15.7 %	aterial	
121719-32A	219122855-71	No	NAD
32	Location: Basement: Men's Bathroom - Seam 0	Grout To 1" White CWT	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Analyst Descripti Asbestos Typ	on: OffWhite, Homogeneous, Non-Fibrous, Bulk	Material	

## **PLM Bulk Asbestos Report**

121719-32B 32	219122855-72  Location: Basement: Women's Bathroom - Seam	<b>No</b> n Grout To 1" White CWT	NAD (by NYS ELAP 198.1)
	Location: Basement: Women's Bathroom - Seam	Grout To 1" White CWT	
Analyst Descri			by Jared C. Clarke on 12/26/19
Asbestos 1	ption: OffWhite, Homogeneous, Non-Fibrous, Bulk M Types: Iterial: Non-fibrous 100 %	aterial	
121719-33A	219122855-73	No	NAD
33	Location: Basement: Men's Bathroom - 1" White		(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos T	ption: Cream, Homogeneous, Non-Fibrous, Cementit ypes: terial: Non-fibrous 100 %	ious, Bulk Material	
121719-33B	219122855-74	No	NAD
33	Location: Basement: Women's Bathroom - 1" Wh	<del>-</del>	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Cream, Homogeneous, Non-Fibrous, Cementit Types: terial: Non-fibrous 100 %	ious, Bulk Material	
121719-34A	219122855-75	No	NAD
34	Location: Basement: South Lobby - 1' x 1' Minera	l Fiberboard CT (Pinhole)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Grey, Homogeneous, Non-Fibrous, Bulk Materi Types: rerial: Non-fibrous 7.9 %	ial	
121719-34B	219122855-76	No	NAD
34	Location: Basement: Main Area - Column B1 - 1'	x 1' Mineral Fiberboard CT (Pinhole)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Grey, Homogeneous, Non-Fibrous, Bulk Materi ypes: erial: Non-fibrous 2.8 %	al	
· · · · · · · · · · · · · · · · · · ·	219122855-77	No	NAD
121719-35A		I Fiberboard CT (Pinhole / Crevasse)	(by NYS ELAP 198.6)

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / H	IGA	Lab No.	Asbestos Present	Total % Asbesto
121719-35B	2	19122855-78	No	NAD
35	Crevasse)		l' x 1' Mineral Fiberboard CT (Pinhole /	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: Grey, Homogeneous, No Types: aterial: Non-fibrous 7.6 %	on-Fibrous, Bulk Mate	erial	
121719-36A	2	19122855-79	No	NAD
36	Location: Basement: South	n Lobby - 1' x 1' Mine	ral Fiberboard CT (Deep Crevasse)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: Grey, Homogeneous, No Types: aterial: Non-fibrous 8.3 %	on-Fibrous, Bulk Mate	erial	
121719-36B	2	19122855-80	No	NAD
36	Location: Basement: Main Crevasse)	Area - Column B1 - 1	l'x 1' Mineral Fiberboard CT (Deep	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Analyst Desc	r <mark>iption:</mark> Grey, Homogeneous, No	on-Fibrous, Bulk Mate	erial	
Asbestos Other M				
Other M	Types: aterial: Non-fibrous 7.8 %	19122855-81	Yes	2.4 %
Other M 121719-37A	Types: aterial: Non-fibrous 7.8 %	19122855-81		2.4 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Other M 121719-37A 37 Analyst Desc Asbestos	Types: aterial: Non-fibrous 7.8 %  2 Location: Basement: OGS	19122855-81 Custodial Staff - Blad	<b>Yes</b> ck Mastic To 9" x 9" Gray FT W/ Black	(by NYS ELAP 198.6) by Jared C. Clarke
Other M 121719-37A 37 Analyst Desc Asbestos Other M	Types: aterial: Non-fibrous 7.8 %  Location: Basement: OGS Streaks  ription: Black, Homogeneous, N Types: Chrysotile 2.4 % aterial: Non-fibrous 14.2 %	19122855-81 Custodial Staff - Blad	<b>Yes</b> ck Mastic To 9" x 9" Gray FT W/ Black	(by NYS ELAP 198.6) by Jared C. Clarke
Other M 121719-37A 37 Analyst Desc Asbestos	Types: aterial: Non-fibrous 7.8 %  Location: Basement: OGS Streaks  ription: Black, Homogeneous, N Types: Chrysotile 2.4 % aterial: Non-fibrous 14.2 %	19122855-81 Custodial Staff - Blac lon-Fibrous, Bulk Mat 19122855-82 Plant Utilities (Engine	<b>Yes</b> ck Mastic To 9" x 9" Gray FT W/ Black	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Other M 121719-37A 37  Analyst Desc Asbestos Other M 121719-37B 37	Types: aterial: Non-fibrous 7.8 %  Location: Basement: OGS Streaks  ription: Black, Homogeneous, N Types: Chrysotile 2.4 % aterial: Non-fibrous 14.2 %  Location: Basement: OGS Gray FT W/ Black  ription: Bulk Material Types:	19122855-81 Custodial Staff - Blac lon-Fibrous, Bulk Mat 19122855-82 Plant Utilities (Engine	<b>Yes</b> ck Mastic To 9" x 9" Gray FT W/ Black erial	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Other M 121719-37A 37  Analyst Desc Asbestos Other M 121719-37B 37  Analyst Desc Asbestos	Types: aterial: Non-fibrous 7.8 %  Location: Basement: OGS Streaks  ription: Black, Homogeneous, N Types: Chrysotile 2.4 % aterial: Non-fibrous 14.2 %  Location: Basement: OGS Gray FT W/ Black  ription: Bulk Material Types: aterial:	19122855-81 Custodial Staff - Blac lon-Fibrous, Bulk Mat 19122855-82 Plant Utilities (Engine	<b>Yes</b> ck Mastic To 9" x 9" Gray FT W/ Black erial	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19

Other Material: Non-fibrous 24.1 %

#### **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

**Asbestos Present Total % Asbestos** Client No. / HGA Lab No. NA/PS 219122855-84 121719-38B Location: Basement: OGS Plant Utilities (Engineer's Office) - 9" x 9" Gray FT W/ Black 38 Analyst Description: Bulk Material **Asbestos Types:** Other Material: NAD No 219122855-85 121719-39A (by NYS ELAP 198.6) Location: Ground Floor: Cafeteria - Yellow / Brown Mastic To 16" x 16" Light Brown 39 by Jared C. Clarke Vinyl FT (Over Gray 9 x 9 FT) on 12/26/19 Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Other Material: Non-fibrous 0.5 % NAD No 121719-39B 219122855-86 Location: Ground Floor: Cafeteria - Yellow / Brown Mastic To 16" x 16" Light Brown (by NYS ELAP 198.6) 39 by Jared C. Clarke Vinyl FT (Over Gray 9 x 9 FT) on 12/26/19 Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Other Material: Non-fibrous 1.1 % NAD 219122855-87 No 121719-40A Location: Ground Floor: Cafeteria - 16" x 16" Light Brown Vinyl FT (Over Gray 9 x 9 FT) (by NYS ELAP 198.6) 40 by Jared C. Clarke on 12/26/19 Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 1.8 % NAD 219122855-88 No 121719-40B Location: Ground Floor: Cafeteria - 16" x 16" Light Brown Vinyl FT (Over Gray 9 x 9 FT) (by NYS ELAP 198.6) 40 by Jared C. Clarke on 12/26/19 Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Other Material: Non-fibrous 2.9 % Trace (<0.25 % pc)³ Yes 219122855-89 121719-41A Location: Basement: Main Area - Column B3 - Black Mastic To 12" x 12" Off-White FT (EPA 400 PC) 41 by Jared C. Clarke W/ Gray Swirl on 12/26/19 Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material

Asbestos Types: Chrysotile <0.25 % pc Other Material: Non-fibrous 4.3 %

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

Client No. / He	GA	Lab No.	Asbestos Present	Total % Asbesto
121719-41B		219122855-90	<b>Yes</b> Trace	e (<0.25 % pc) ³
41	Location: Basemen W/ Gray S		Black Mastic To 12" x 12" Off-White FT	
Asbestos	iption: Black, Homogene Types: Chrysotile <0.25 aterial: Non-fibrous 7.2 %	•	terial	
121719-42A		219122855-91	No	NAD
42		t: OGS Plant Utilities (Engin /hite FT W/ Gray Swirl	eer's Office) - Yellow Mastic To 12" x	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	•	neous, Non-Fibrous, Bulk Ma %	aterial	
121719-42B		219122855-92	No	NAD
42		t: OGS Plant Utilities (Engin /hite FT W/ Gray Swirl	eer's Office) - Yellow Mastic To 12" x	(by NYS ELAP 198.6) by Jared C. Clarke
	12 On-44	Tille I I W/ Gray Swiii		on 12/26/19
Asbestos 1	iption: Yellow, Homoger	neous, Non-Fibrous, Bulk Ma	aterial	•
Asbestos 7 Other Ma	iption: Yellow, Homoger Types:	neous, Non-Fibrous, Bulk Ma	aterial Yes	•
Asbestos 1 Other Ma	iption: Yellow, Homoger Types: Iterial: Non-fibrous 51.2	neous, Non-Fibrous, Bulk Ma % 219122855-93		on 12/26/19
Asbestos 1 Other Ma  121719-43A  43  Analyst Descri	iption: Yellow, Homoger Types: Iterial: Non-fibrous 51.2 Location: Basemen	neous, Non-Fibrous, Bulk Ma %  219122855-93 t: Main Area - Column B3 -	<b>Yes</b> 12" x 12" Off-White FT W/ Gray Swirl	2.2 % (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos 1 Other Ma  121719-43A  43  Analyst Descri Asbestos 1 Other Ma	iption: Yellow, Homoger Types: Iterial: Non-fibrous 51.2 Location: Basemen iption: Grey, Homogene Types: Chrysotile 2.2 %	neous, Non-Fibrous, Bulk Ma %  219122855-93 t: Main Area - Column B3 -	<b>Yes</b> 12" x 12" Off-White FT W/ Gray Swirl	2.2 % (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos 1 Other Ma  121719-43A  43  Analyst Descri	iption: Yellow, Homoger Types: Iterial: Non-fibrous 51.2 Location: Basemen iption: Grey, Homogene Types: Chrysotile 2.2 % Iterial: Non-fibrous 11.5	219122855-93 t: Main Area - Column B3 - ous, Non-Fibrous, Bulk Mate  219122855-94 t: OGS Plant Utilities (Engin	<b>Yes</b> 12" x 12" Off-White FT W/ Gray Swirl	2.2 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos 1 Other Ma  121719-43A 43  Analyst Descri Asbestos 1 Other Ma  121719-43B 43	iption: Yellow, Homoger Types: Iterial: Non-fibrous 51.2  Location: Basemen Iption: Grey, Homogene Types: Chrysotile 2.2 % Iterial: Non-fibrous 11.5  Location: Basemen W/ Gray Iption: Bulk Material Types:	219122855-93 t: Main Area - Column B3 - ous, Non-Fibrous, Bulk Mate  219122855-94 t: OGS Plant Utilities (Engin	<b>Yes</b> 12" x 12" Off-White FT W/ Gray Swirl erial	2.2 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos 1 Other Ma  121719-43A 43  Analyst Descri Asbestos 1 Other Ma  121719-43B 43  Analyst Descri Asbestos 1	iption: Yellow, Homoger Types: Iterial: Non-fibrous 51.2  Location: Basemen Iption: Grey, Homogene Types: Chrysotile 2.2 % Iterial: Non-fibrous 11.5  Location: Basemen W/ Gray Iption: Bulk Material Types:	219122855-93 t: Main Area - Column B3 - ous, Non-Fibrous, Bulk Mate  219122855-94 t: OGS Plant Utilities (Engin	<b>Yes</b> 12" x 12" Off-White FT W/ Gray Swirl erial	2.2 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19

Other Material: Non-fibrous 7.3 %

## **PLM Bulk Asbestos Report**

Client No. / H	GA	Lab No.	Asbestos Present	Total % Asbesto
121719-44B		219122855-96	No	NAD
44	Location:	Ground Floor: South Exit Vestibule (Ca Green Marbled FT	rfeteria) - Black Mastic To 12 x 12"	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	•	Homogeneous, Non-Fibrous, Bulk Mate	rial	
121719-45A		219122855-97	No	NAD
45		Ground Floor: South Exit Vestibule (Ca		(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	•	Homogeneous, Non-Fibrous, Bulk Mat rous 1.8 %	erial	
121719-45B		219122855-98	No	NAD
45	Location:	Ground Floor: South Exit Vestibule (Ca	rfeteria) - 12 x 12" Green Marbled FT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos		Homogeneous, Non-Fibrous, Bulk Mat	erial	
121719-46A		219122855-99	No	NAD
46	Location:	Ground Floor: Main Area - Yellow / Bro	wn Mastic To 12" x 12" Cream FT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	-	Homogeneous, Non-Fibrous, Bulk Mat rous 49 %	erial	
121719-46B		219122855-100	No	NAD
46	Location:	Ground Floor: Main Area - Yellow / Bro	wn Mastic To 12" x 12" Cream FT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	-	Homogeneous, Non-Fibrous, Bulk Mat	erial	
121719-47A		219122855-101	No	NAD
47	Location:	Ground Floor: Main Area - 12" x 12" Cr	eam FT	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Analyst Descr Asbestos	-	Homogeneous, Non-Fibrous, Bulk Mar	terial	

## **PLM Bulk Asbestos Report**

Client No. / H	GA La	b No. Asb	estos Present	Total % Asbesto
121719-47B 47	21912 Location: Ground Floor: Main A	2855-102 rea - 12" x 12" Cream FT	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: Cream, Homogeneous, Non- Types: aterial: Non-fibrous 30.3 %	Fibrous, Bulk Material		
121719-48A 48	21912 Location: Basement: OGS Plum	2855-103 nbers Room - 12" x 12" Br	<b>No</b> rown Marbled FT	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos	ription: Tan, Homogeneous, Non-Fib Types: aterial: Non-fibrous 16.5 %	rous, Bulk Material		on 12/26/19
121719-48B 48	21912 Location: Basement " Hallway C	2855-104 Off OGS Plumbers Room	<b>No</b> - 12" x 12" Brown Marbled FT	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Tan, Homogeneous, Non-Fib Types: aterial: Non-fibrous 16.6 %	rous, Bulk Material		
121719-49A	21912	2855-105	No	NAD
49	Location: Ground Floor: South E Gray Carpet		- Yellow Carpet Mastic Under	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: Yellow, Homogeneous, Non-l Types: aterial: Non-fibrous 49.6 %	Fibrous, Bulk Material		
121719-49B	21912	2855-106	No	NAD
121113-430	Location: Ground Floor: South E	Exit Vestibule (Cafeteria) -	- Yellow Carpet Mastic Under	
	Gray Carpet			by Jared C. Clarke on 12/26/19
49 Analyst Descr Asbestos	ription: Yellow, Homogeneous, Non-I	Fibrous, Bulk Material		•
Analyst Descr Asbestos Other Ma	ription: Yellow, Homogeneous, Non-l Types: aterial: Non-fibrous 51.9 %	Fibrous, Bulk Material	No	on 12/26/19 NAD
49 Analyst Descr Asbestos	ription: Yellow, Homogeneous, Non-l Types: aterial: Non-fibrous 51.9 %	2855-107		on 12/26/19

## **PLM Bulk Asbestos Report**

Client No. / H	GA Lab No. Asbest	os Present	Total % Asbesto
121719-50B 50	219122855-108  Location: Basement: Lobby - Brown Mastic To 4" Black Coveb	<b>No</b> pase	NAD (by NYS ELAP 198.6) by Jared C. Clarke
Asbestos	ription: Brown, Homogeneous, Non-Fibrous, Bulk Material Types: aterial: Non-fibrous 45.9 %		on 12/26/19
121719-51A 51	219122855-109  Location: Basement: OGS Custodial Staff - Yellow Mastic To 4	<b>No</b> 4" Black Covebase	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Yellow, Homogeneous, Non-Fibrous, Bulk Material Types: aterial: Non-fibrous 0.8 %		
121719-51B	219122855-110	No	NAD
51	Location: Basement: OGS Custodial Staff - Yellow Mastic To 4	1" Black Covebase	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Yellow, Homogeneous, Non-Fibrous, Bulk Material Types: aterial: Non-fibrous 5.9 %		
121719-52A	219122855-111	No	NAD
52	Location: Basement: South Lobby - 4" Black Covebase		(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Black, Homogeneous, Non-Fibrous, Bulk Material Types: uterial: Non-fibrous 44.1 %		
121719-52B	219122855-112	No	NAD
52	Location: Basement: OGS Custodial Staff - 4" Black Covebase	•	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Black, Homogeneous, Non-Fibrous, Bulk Material Types: Iterial: Non-fibrous 1.2 %		
121719-53A	219122855-113	No	NAD
12 11 13-337			(by NYS ELAP 198.6)
53	Location: Ground Floor: Cafeteria - Yellow Mastic To 6" Black (		by Jared C. Clarke on 12/26/19

## **PLM Bulk Asbestos Report**

Client No. / HO	GA Lab No. As	sbestos Present	Total % Asbesto
121719-53B 53	219122855-114 <b>Location</b> : Ground Floor: Cafeteria - Yellow Mastic To 6	<b>No</b> Black Covebase	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Yellow, Homogeneous, Non-Fibrous, Bulk Material ypes: erial: Non-fibrous 9.5 %		
121719-54A 54	219122855-115  Location: Ground Floor: Cafeteria - 6" Black Covebase	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Black, Homogeneous, Non-Fibrous, Bulk Material ypes: erial: Non-fibrous 0.4 %		
121719-54B 54	219122855-116  Location: Ground Floor: Cafeteria - 6" Black Covebase	No	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Black, Homogeneous, Non-Fibrous, Bulk Material ypes: erial: Non-fibrous 0.6 %		
121719-55A 55	219122855-117  Location: Basement: MER - North - Gray Duct Sealant	Yes	6.5 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Grey, Homogeneous, Non-Fibrous, Bulk Material ypes: Chrysotile 6.5 % erial: Non-fibrous 48.9 %		
121719-55B 55	219122855-118  Location: Basement: MER - North - Gray Duct Sealant		NA/PS
Analyst Descrip Asbestos T Other Mat			
121719-56A 56	219122855-119  Location: Basement: MER - North (North Wall) - White Penetration	<b>No</b> Caulk Around Duct Wall	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: White, Homogeneous, Non-Fibrous, Bulk Material ypes: erial: Non-fibrous 10.3 %		

## **PLM Bulk Asbestos Report**

Client No. / H	GA L	.ab No.	Asbestos Present	Total % Asbestos
121719-56B		122855-120	No	NAD
56	Location: Basement: MER - N Penetration	North (North Wall)	- White Caulk Around Duct Wall	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: White, Homogeneous, Nor Types: aterial: Non-fibrous 9.6 %	n-Fibrous, Bulk Ma	terial	
121719-57A	219	122855-121	No	NAD
57	Location: Basement: MER - N			(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ri <b>ption</b> : Black, Homogeneous, Nor <b>Types:</b> aterial: Non-fibrous 31.8 %	n-Fibrous, Bulk Mat	terial	
121719-57B	219	122855-122	No	NAD
57	Location: Basement: MER - I		nsion Joint Caulk	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: Black, Homogeneous, Nor Types: aterial: Non-fibrous 1.9 %	n-Fibrous, Bulk Ma	terial	
121719-58A	219	122855-123	No	NAD
58	Location: Basement: MER - I	North (North Wall)	- Red Fire-Stop Sealant	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: Red, Homogeneous, Non- Types: aterial: Non-fibrous 12.1 %	Fibrous, Bulk Mate	erial	
121719-58B	219	122855-124	No	NAD
58	Location: Basement: MER -	North (North Wall)	- Red Fire-Stop Sealant	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	ription: Red, Homogeneous, Non- Types: laterial: Non-fibrous 19.6 %	Fibrous, Bulk Mate	erial	
121719-59A		122855-125	No	NAD
59			Cafeteria - Gray Window Glazing	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
	ription: Grey, Homogeneous, Nor			

## **PLM Bulk Asbestos Report**

Client No. / HG	A Lab No.	Asbestos Present	Total % Asbestos
121719-59B	219122855-126	No	NAD
59	Location: Ground Floor: Room 80 Adjacent To Cafe Compound	eteria - Gray Window Glazing	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	tion: Grey, Homogeneous, Non-Fibrous, Bulk Materia /pes: erial: Non-fibrous 1.8 %	al .	
121719-60A 60	219122855-127  Location: Ground Floor: Main Area (North Side) - G	Gray Window Glazing Compound	(<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke on 12/26/19
Asbestos T	tion: Grey, Homogeneous, Non-Fibrous, Bulk Materia pes: Anthophyllite <0.25 % pc erial: Fibrous Talc 5 %, Non-fibrous 11.7 %	ıl	
121719-60B	219122855-128	<b>Yes</b> Trace	(<0.25 % pc) ³
60	Location: Ground Floor: Main Area (North Side) - G	Gray Window Glazing Compound	(EPA 400 PC) by Jared C. Clarke on 12/26/19
Asbestos T	tion: Grey, Homogeneous, Non-Fibrous, Bulk Materia pes: Anthophyllite <0.25 % pc erial: Fibrous Talc 4 %, Non-fibrous 10.9 %	·	
121719-61A	219122855-129	No	NAD
61	Location: Basement: MER - North - Gray Pipe Coa	ting	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	tion: Brown, Homogeneous, Non-Fibrous, Bulk Materi /pes: erial: Non-fibrous 19.1 %	ial	
121719-61B	219122855-130	No	NAD
61	Location: Basement: MER - North - Gray Pipe Coa	ting	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	tion: Brown, Homogeneous, Non-Fibrous, Bulk Materi /pes: erial: Non-fibrous 4.3 %	ial	
121719-62A	219122855-131	No	NAD
	Location: Basement: South Lobby - Glue Dabs On	Concrete Wall (Old Sign)	(by NYS ELAP 198.6) by Jared C. Clarke
62			on 12/26/19

## **PLM Bulk Asbestos Report**

Client No. / H	GA Lab No.	<b>Asbestos Present</b>	Total % Asbesto
121719-62B	219122855-132	No	NAD
62	Location: Basement: South Lobby - Glue Dabs On	Concrete Wall (Old Sign)	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Brown, Homogeneous, Non-Fibrous, Bulk Mater Types: aterial: Non-fibrous 30.1 %	ial	
121719-63	219122855-133	No	NAD 4
63	Location: Basement: MER South (SW Wall By Air	Handler) - Floor Debris	(by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
•	iption: Tan, Homogeneous, Fibrous, Bulk Material		
Asbestos Other Ma	rypes: aterial: Fibrous glass 80 %, Non-fibrous 20 %		
	219122855-134	No	NAD
121719-64A 64	Location: Exterior: West Side Of Building - Gray Concentration: Perimeter)	***	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	iption: Grey, Homogeneous, Non-Fibrous, Bulk Materia Types: aterial: Non-fibrous 0.5 %	l .	
121719-64B	219122855-135	No	NAD
64	Location: Exterior: East Side Of Building - Gray Ca Perimeter)	ulk Under Window (Window	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	i <b>ption</b> : Grey, Homogeneous, Non-Fibrous, Bulk Materia <b>Types:</b> aterial: Non-fibrous 0.3 %	al .	
121719-65A	219122855-136	Yes	6.2 %
65	Location: Exterior: East Side Of Building - Black W	indow Glazing Compound	(by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos	i <b>ption:</b> Black, Homogeneous, Non-Fibrous, Bulk Materi Types: Chrysotile  6.2 % aterial: Non-fibrous 27.9 %	al	
121719-65B	219122855-137		NA/PS
65	Location: Exterior: West Side Of Building - Black V	Vindow Glazing Compound	
Analyst Desci Asbestos Other M			

# **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

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Client No. / HG	SA .	Lab No.	Asbestos Present	Total % Asbesto
121719-66A 66		219122855-138 at Side Of Building - Gray	<b>Yes</b> Window Glazing Compound	4.9 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/26/19
Asbestos T	otion: Grey, Homogeneou ypes: Chrysotile 4.9 % erial: Non-fibrous 29.5 %	s, Non-Fibrous, Bulk Mate	erial	
121719-66B		219122855-139		NA/PS
66	Location: Exterior: We	st Side Of Building - Gray	Window Glazing Compound	
Analyst Descri _l Asbestos T Other Ma				
121719-67A		219122855-140		e (<0.25 % pc) ³
			Seam Caulk To Cementitious Panels	(EPA 400 PC) by Jared C. Clarke on 12/26/19
Analyst Descri Asbestos 1 Other Ma	ption: Grey, Homogeneou Types: Anthophyllite <0.25 terial: Fibrous Talc 5 %, I	s, Non-Fibrous, Bulk Mat 5 % pc Non-fibrous 32.5 % 219122855-141	erial <b>Yes</b> Trac	by Jared C. Clarke
Asbestos 1	ption: Grey, Homogeneou Types: Anthophyllite <0.25 terial: Fibrous Talc 5 %, I	s, Non-Fibrous, Bulk Mat 5 % pc Non-fibrous 32.5 % 219122855-141	erial	by Jared C. Clarke on 12/26/19 e (<0.25 % pc) ³
Analyst Descri Asbestos 7 Other Ma 121719-67B 67 Analyst Descri Asbestos 7	ption: Grey, Homogeneou Types: Anthophyllite <0.25 terial: Fibrous Talc 5 %, I	s, Non-Fibrous, Bulk Mat 5 % pc Non-fibrous 32.5 % 219122855-141 ading Dock (Soffit) - Gray as, Non-Fibrous, Bulk Mat 5 % pc	erial <b>Yes</b> Trac  Seam Caulk To Cementitious Panels	by Jared C. Clarke on 12/26/19 e (<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke
Analyst Descri Asbestos T Other Ma 121719-67B 67 Analyst Descri Asbestos T Other Ma	ption: Grey, Homogeneous Types: Anthophyllite <0.25 terial: Fibrous Talc 5 %, I  Location: Exterior: Loc ption: Grey, Homogeneous Types: Anthophyllite <0.25	s, Non-Fibrous, Bulk Mat 5 % pc Non-fibrous 32.5 % 219122855-141 ading Dock (Soffit) - Gray as, Non-Fibrous, Bulk Mat 5 % pc	erial <b>Yes</b> Trac  Seam Caulk To Cementitious Panels	by Jared C. Clarke on 12/26/19 e (<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke on 12/26/19
Analyst Descri Asbestos T Other Ma 121719-67B 67 Analyst Descri Asbestos T	ption: Grey, Homogeneous Types: Anthophyllite <0.25 terial: Fibrous Talc 5 %, I  Location: Exterior: Loc ption: Grey, Homogeneous Types: Anthophyllite <0.25 terial: Fibrous Talc 6 %, I	s, Non-Fibrous, Bulk Mat 5 % pc Non-fibrous 32.5 % 219122855-141 ading Dock (Soffit) - Gray as, Non-Fibrous, Bulk Mat 5 % pc Non-fibrous 31.8 %	Yes Trac Seam Caulk To Cementitious Panels erial  Yes	by Jared C. Clarke on 12/26/19 e (<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke on 12/26/19
Analyst Descri Asbestos T Other Ma  121719-67B 67  Analyst Descri Asbestos T Other Ma  121719-68A 68  Analyst Descri Asbestos T	ption: Grey, Homogeneous Types: Anthophyllite <0.25 terial: Fibrous Talc 5 %, I  Location: Exterior: Loc ption: Grey, Homogeneous Types: Anthophyllite <0.25 terial: Fibrous Talc 6 %, I	s, Non-Fibrous, Bulk Mat i % pc Non-fibrous 32.5 % 219122855-141 ading Dock (Soffit) - Gray is, Non-Fibrous, Bulk Mat i % pc Non-fibrous 31.8 % 219122855-142 ading Dock (Soffit) - Cemus, Fibrous, Cementitious	Yes Trac Seam Caulk To Cementitious Panels erial Yes entitious Panels	by Jared C. Clarke on 12/26/19  e (<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke on 12/26/19  21.1 % (by NYS ELAP 198.1) by Jared C. Clarke on 12/26/19
Analyst Descri Asbestos 1 Other Ma  121719-67B 67  Analyst Descri Asbestos 1 Other Ma  121719-68A 68  Analyst Descri Asbestos 1	ption: Grey, Homogeneous Types: Anthophyllite <0.25 terial: Fibrous Talc 5 %, I Location: Exterior: Location: Grey, Homogeneous Types: Anthophyllite <0.25 terial: Fibrous Talc 6 %, I Location: Exterior: Location: Exterior: Location: Grey, Homogeneous Types: Chrysotile 21.0 % terial: Non-fibrous 78.9 %	s, Non-Fibrous, Bulk Mat i % pc Non-fibrous 32.5 % 219122855-141 ading Dock (Soffit) - Gray is, Non-Fibrous, Bulk Mat i % pc Non-fibrous 31.8 % 219122855-142 ading Dock (Soffit) - Cemus, Fibrous, Cementitious	Yes Trace Seam Caulk To Cementitious Panels erial  Yes entitious Panels , Bulk Material	by Jared C. Clarke on 12/26/19  e (<0.25 % pc) ³ (EPA 400 PC) by Jared C. Clarke on 12/26/19  21.1 % (by NYS ELAP 198.1) by Jared C. Clarke

Asbestos Types: Other Material:

Client Name: CHA Consulting, Inc.

## **PLM Bulk Asbestos Report**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

#### **Reporting Notes:**

(1) This job was - A	nalyzed using N	Motic BA310 Pol	Scope S/N	1190000326
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(2) Sample prepared for analysis by ELAP 198.6 method

(3) Analysis Results For Soil, Dust, Or Debris May Be Highly Variable Because Of The Heterogeneous Nature Of These Samples

Reviewed By:	END OF REPORT

Client Name: CHA Consulting, Inc.

## Table I **Summary of Bulk Asbestos Analysis Results**

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % t
	121719-01A			4000			Chrysotile 14.3	TEM
02	Basement - MER (North) - /	Air Handler A - (	Gray Plaster Ins	ulation			Onlysome 14.3	NA
	121719-01B	1				** to ma	NA/PS	**
03	Basement - MER (North) - A		Bray Plaster Ins	ulation			1471 3	NA
	121719-01C	1			Water-ex	====	NA/PS	ALA.
04	Basement - MER (North) - A		Bray Plaster Ins	ulation			7071 0	NA
	121719-02A	2					Amosite 12.5	
05	Basement - MER (North) - 6	or Gray Generat	or Exhaust Pipe	e - Gray Pre-Molded	d Plaster Pipe Insulation	on	74110510 12.5	NA
	121719-02B	2			****		NA/PS	N/A
06	Basement - MER (North) - 6	o" Gray Generate	or Exhaust Pipe	- Gray Pre-Molded	d Plaster Pipe Insulation	n		NA
	121719-02C	2				****	NA/PS	A.A
07	Basement - MER (North) - 6 121719-03A	" Yellow Hight 1	emp Pipe - Gra	y Pre-Molded Plas	ter Pipe Insulation			NA
		3					Chrysotile 6.0	<b>514</b>
08	Basement - MER (North) - 6	" Yellow Hight T	emp Pipe - Gra	y Job-Molded Plas	ter Pipe Fitting Insulat	ion	oyoudo o.g	NA
	121719-03B	3					NA/PS	NIA
09	Basement - MER (North) - 2 121719-03C	" Orange Low P	ressure Steam	Pipe - Gray Job-Mo	olded Plaster Pipe Fitti	ng Insulation		NA
		3	*				NA/PS	ALA
10	Basement - MER (South) - 2 121719-04A	r Yellow Low Pr	essure Steam i	Pipe - Gray Job-Mo	ided Plaster Pipe Fittir	ng Insulation		NA
		4					NAD	NIA
11	Basement - MER (North) - 3'	Blue Chilled W		Го Air Handler В - (	Gray Pre-Molded Plast	er Coating		NA
		4 ! Dhan Ohilla il Ma					NAD	NA
12	Basement - MER (North) - 3' 121719-04C	Blue Chilled W		o Air Handler B - C	Gray Pre-Molded Plaste	er Coating	· #	INA
	<del>-</del>	4 LDIVA OF WAR				·	NAD	NA
13	Basement - MER (North) - 3" 121719-05A	Blue Chilled W	ater Pipe Adj. T	o Air Handler B - C	Fray Pre-Molded Plaste	er Coating		INA
		5					Chrysotile 3.0	NA
14	Ground Floor - Cafeteria - Gr 121719-05B	ay JUD-MOIDED	riaster Coating	Over Pipe Fitting F	G Insulation		, s.m.s 2.12	INA
		5	 Di				NA/PS	NA
15	Ground Floor - Cafeteria - Gr 121719-05C		riaster Coating	Over Pipe Fitting F	G Insulation		<u>-</u>	IVA
· <del>-</del>		5 ov Joh Maldad (				****	NA/PS	NA
16	Ground Floor - Cafeteria - Gr 121719-06A				G Insulation		<del>-</del> -	INA
. •	Basement - MER (North) - 2"	6	0.215	59.5	26.9	13.5	NAD	NAD

Client Name: CHA Consulting, Inc.

# Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

mple#	Client Sample#	HG Area	Weight (gram)	Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	121719-06B	6	0.179	52.1	31.6	16.3	NAD	NAD
	Basement - MER (North) - 2"	Orange Low F	ressure Steam	Pipe - Pipe End Ca	p Sealant (FG PI)			
18	121719-07A	7					Chrysotile 2.8	NA
	Basement - MER (North) - 6"	Yellow High T	emp Pipe - Pla	ster Pipe End Cap	Sealant			
19	121719-07B	7		****			NA/PS	NA
	Basement - MER (North) - 6"	Yellow High T	emp Pipe - Pla	ster Pipe End Cap	Sealant			
20	121719-07C	7		****	447-		NA/PS	NA
	Basement - MER (North) - 6"	Yellow High T	emp Pipe - Pla	ster Pipe End Cap	Sealant			
21	121719-08A	8			***		NAD	NA
Location:	Basement - MER (North) - 2"	Orange Low F	ressure Steam	Pipe - Cloth Wrap	Over FG Pipe Insulat	ion		
22	121719-08B	8				***	NAD	NA
Location:	Basement - MER (North) - 6"	Yellow High T	emp Pipe - Clo	th Wrap Over FG P	ipe Insulation			
23	121719-09A	9					NAD	NA
Location:	Basement - MER (North) - 4"	Lt. Blue Pipe	- Paper / Foil O	ver Styrofoam Pipe	Insulation			
24	121719-09B	9	***				NAD	NA
Location:	Basement - MER (North) - 3"	Blue / Gray H	ot Water Returi	n Pipe - Paper / Foi	Over Styrofoam Pipe	e Insulation		
25	121719-10A	10			*H&P		NAD	NA
Location:	Basement - Main Area Above	e Suspended C	eiling (Column	B2) - Brown Paper	/ Foil Over FG Pipe I	nsulation		
26	121719-10B	10					NAD	NA
Location:	Basement - Main Area Above	e Suspended C	Ceiling (Column	E2) - Brown Paper	/ Foil Over FG Pipe I	nsulation		
27	121719-11A	11					NAD	NA
Location:	Basement - Main Area Above	e Suspended C	Ceiling (Column	B2) - Foil / Red Pa	per Over FG Duct Ins	sulation		
28	121719-11B	11					NAD	NA
Location:	Basement - Main Area Above	e Suspended (	Ceiling (Column	E2) - Foil / Red Pa	per Over FG Duct Ins	sulation		
29	121719-12A	12					NAD	NA
Location:	Basement - Main Area Abov	e Suspended (	Ceiling (Column	B2) - Foil / Brown	Paper Over FG Duct	nsulation		
30	121719-12B	12					NAD	NA
Location:	Basement - Main Area Abov	e Suspended (	Ceiling (Column	E2) - Foil / Brown	Paper Over FG Duct			
31	121719-13A	13	0.289	85.9	1.8	12.2	NAD	NAD
Location:	Basement - MER (North) - B	lack Sealant O	ver FG Duct In	sulation (Inner Laye	er)			
32	121719-13B Basement - MER (North) - B	13	0.351	87.4	3.1	9.5	NAD	NAD

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos %   TEM
33	121719-14A	14	0.123	98.4	0.6	1.0	NAD	NAD
	Basement - MER (North) - E	Brown Paper / N	Mastic Under Clo	oth Wrap (Middle L	ayer)		- <del></del>	1110
34	121719-14B	14	0.074	84.3	8.8	6.9	NAD	NAD
Location:	Basement - MER (North) - E	Brown Paper / N	Mastic Under Clo	oth Wrap (Middle L	ayer)		,	NAD
35	121719-15A	15					NAD	NA
Location:	Basement - MER (North) - C	Cloth Wrap Ove	er FG Duct Insul	ation (Outer Layer)				NO.
36	121719-15B	15	~~~				NAD	NA
Location:	Basement - MER (North) - C	Cloth Wrap Ove	er FG Duct Insula	ation (Outer Layer)			.,,,	IVA
37	121719-16A	16	0.256	98.2	1.4	0.4	NAD	NAD
Location:	Basement - MER (North) - E	Black Sealant C	ver FG Pipe Ins	sulation (Inner Laye	er)			IVA
38	121719-16B	16	0.185	97.3	1.6	1.1	NAD	NAD
Location:	Basement - MER (North) - B	Black Sealant C	ver FG Pipe Ins	ulation (Inner Laye	er)		10.0	NAD
39	121719-17A	17					NAD	NA
Location:	Basement - MER (North) - V	Vhite Paper / F	oil Over FG Pipe	e Insulation (Outer	Layer)		147.0	
40	121719-17B	17				****	NAD	NA
Location:	Basement - MER (North) - V	Vhite Paper / F	oil Over FG Pipe	e Insulation (Outer	Layer)		NAD.	N/A
41	121719-18A	18	0.231	33.4	34.7	31.9	NAD	NAD
Location:	Basement - MER (North) - P	ump Transmis	sion - Green Fla	nge Gasket		50	NA	NAD
42	121719-18B	18	0.254	31.9	28.7	39.4	NAD	NAD
Location:	Basement - MER (North) - P	ump Transmis	sion - Green Fla	nge Gasket		,	NAD	NAD
43	121719-19A	19				*****	NAD	NA
Location:	Basement - South Lobby - B	lack Terrazzo I	Flooring				IVAD	NA .
44	121719-19B	19			****		NAD	NA
Location:	Basement - South Lobby - B	lack Terrazzo i	Flooring				NAD	INA
45	121719-20A	20	-	****	****	****	NAD	NIA
Location:	Basement - MER (North) - C	MU Mortar					NAD	NA
46	121719-20B	20			=44=	****	NAD	NA
Location:	Basement - OGS Plant Utiliti	ies (Engineer's	Office) - CMU N	∕lortar			INAU	NA
47	121719-21A	21					NAD	NA
Location:	Basement - MER (South) - L	ag Cloth Wrap	Over FG Pipe II	nsulation			NAU	NA
48	121719-21B	21					NAD	B1A
Location	Basement - MER (South) - L		Over FG Pine II	nsulation		·	NAD	NA

Client Name: CHA Consulting, Inc.

Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	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	121719-22A	22					NAD	NA NA
	Basement - Lobby - Wall Pla	ister (Base Coa	at)					TVA
50	121719-22B	22					NAD	NA
	Basement - OGS Custodial S	Staff - Wall Pla	ster (Base Coat	:)			- <del></del>	INA
51	121719-22C	22					NAD	NA
	Ground Floor - Cafeteria - W	all Plaster (Bas	se Coat)				· <del>· · · -</del>	TVA
52	121719-23A	23		****		****	NAD	NA
	Basement - Lobby - Wall Pla	ster (Skim Coa	ıt)					IVA.
53	121719-23B	23					NAD	NA
	Basement - OGS Custodial S	Staff - Wall Plas	ster (Skim Coat	)				IVA
54	121719-23C	23					NAD	NA
Location:	Ground Floor - Cafeteria - W	all Plaster (Skir	m Coat)				14.6	INA
55	121719-24A	24	0.194	65.9	30.8	3.3	NAD	NAD
Location:	Basement: Outside OGS Cus	stodial Staff - V	inyl Wall Paper	Over Partition Wa	ll Gypsum Board		1470	NAD
56	121719-24B	24	0.226	66.1	28.3	5.6	NAD	NAD
Location:	Basement: Outside OGS Cus	stodial Staff - V	inyl Wall Paper	Over Partition Wal	I Gypsum Board		INAL	NAU
57	121719-25A	25					NAD	NIA
Location:	Basement: Outside OGS Cus	stodial Staff - P	artition Wall Gy	psum Board			IVAD	NA
58	121719-25B	25	***		****	40	NAD	NIA
Location:	Basement: Outside OGS Cus	stodial Staff - P	artition Wall Gy	psum Board			NAD	NA
59	121719-26A	26	***		**==		NAD	814
Location:	Basement: OGS Custodial St	taff - Joint Com	pound (Wall)				NAD	NA
60	121719-26B	26	~~~			****	NAD	
Location:	Basement: OGS Custodial St	taff - Joint Com	pound (Wali)				NAD	NA
61	121719-27A	27					NAD	
Location:	Basement: OGS Custodial St	aff - Gypsum E	Board (Wall)				NAD	NA
62	121719-27B	27					NAD	
Location:	Basement: OGS Custodial St	aff - Gypsum B	Board (Wall)				NAD	NA
63	121719-28A	28					****	
Location:	Basement: Men's Bathroom -	Thinset To 2"	White Hexagon	al CFT		<del></del>	NAD	NA
64	121719-28B	28					N/4 D	
1	Basement: Women's Bathroo	-					NAD	NA

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

neriSci ample #	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	121719-29A	29				*****	NAD	NA
Location:	Basement: Men's Bathroom	- Seam Grout	To 2" White He	kagonal CFT				
66	121719-29B	29					NAD	NA
Location:	Basement: Women's Bathro	om - Seam Gr	out To 2" White	Hexagonal CFT				
67	121719-30A	30					NAD	NA
Location:	Basement: Men's Bathroom	- 2" White Hex	agonal CFT					
68	121719-30 <del>B</del>	30					NAD	NA
Location:	Basement: Women's Bathro	om - 2" White	Hexagonal CFT					
69	121719-31A	31	0.255	38.9	49.3	11.8	NAD	NAD
Location:	Basement: Men's Bathroom	- Bedding Glue	To 1" White C	WT				
70	121719-31B	31	0.302	31.7	52.7	15.7	NAD	NAD
Location:	Basement: Women's Bathro	•	Glue To 1" White	e CWT				
71	121719-32A	32				****	NAD	NA
Location:	Basement: Men's Bathroom		To 1" White CW	/Τ				
72	121719-32B	32				-40-	NAD	NA
	Basement: Women's Bathro		out To 1" White	CWT				
73	121719-33A	33				#####	NAD	NA
	Basement: Men's Bathroom		Т					
74	121719-33B	33				****	NAD	NA
	Basement: Women's Bathro							
75	121719-34A	34	0.257	16.6	75.5	7.9	NAD	NAD
	Basement: South Lobby - 1'		•	Ť				
76	121719-34B	34	0.269	16.8	80.4	2.8	NAD	NAD
	Basement: Main Area - Colu			` ,				
77	121719-35A	35	0.294	21.0	60.0	19.0	NAD	NAD
	Basement: South Lobby - 1'		•	•		<b></b> .		=
78	121719-35B	35	0.436	17.2	75.2	7.6	NAD	NAD
	Basement: Main Area - Colu			,	,	0.0	NAB	NAD
79	121719-36A	36	0.284	15.9	75.8	8.3	NAD	NAD
	Basement: South Lobby - 1' 121719-36B		,	eep Crevasse) 14.6	77.6	7.0	NAD	NAD
80	121719-36B Basement: Main Area - Colu	36	0.291		77.6	7.8	NAD	NAD

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

eriSci mple #	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	121719-37A	37	0.172	73.4	10.0	14.2	Chrysotile 2.4	NA
Location:	Basement: OGS Custodial S	Staff - Black Ma	stic To 9" x 9" (	Gray FT W/ Black S	Streaks			
82	121719-37B	37	0.095	74.9	10.5	14.5	NA/PS	NA
Location:	Basement: OGS Plant Utiliti	ies (Engineer's	Office) - Black I	Mastic To 9" x 9" G	ray FT W/ Black Strea	ıks		
83	121719-38A	38	0.340	22.3	48.3	24.1	Chrysotile 5.3	NA
Location:	Basement: OGS Custodial S	Staff - 9" x 9" G	ray FT W/ Black	k Streaks				
84	121719-38B	38	0.458	24.1	43.8	32.1	NA/PS	NA
Location:	Basement: OGS Plant Utiliti	ies (Engineer's	Office) - 9" x 9"	Gray FT W/ Black	Streaks			
85	121719-39A	39	0.136	78.4	21.1	0.5	NAD	NAD
Location:	Ground Floor: Cafeteria - Ye	ellow / Brown M	lastic To 16" x 1	6" Light Brown Vin	yi FT (Over Gray 9 x 9	FT)		
86	121719-39B	39	0.135	79.2	19.7	1.1	NAD	NAD
Location:	Ground Floor: Cafeteria - Yo	ellow / Brown M	lastic To 16" x 1	6" Light Brown Vin	yl FT (Over Gray 9 x 9	9 FT)		
87	121719-40A	40	0.331	20.0	78.2	1.8	NAD	NAD
Location:	Ground Floor: Cafeteria - 16	6" x 16" Light Br	rown Vinyl FT (C	Over Gray 9 x 9 FT	)			
88	121719-40B	40	0.200	33.2	63.9	2.9	ŅAD	NAD
Location:	Ground Floor: Cafeteria - 16	6" x 16" Light Br	rown Vinyl FT (0	Over Gray 9 x 9 FT	)			
89	121719-41A	41	0.163	87.6	8.1	2.6	Chrysotile < 0.25	Chrysotile 1.7
Location:	Basement: Main Area - Cole	umn B3 - Black	Mastic To 12"	k 12" Off-White FT	W/ Gray Swirl			
90	121719-41B	41	0.357	81.6	11.2	7.2	Chrysotile < 0.25	NA/PS
Location:	Basement: Main Area - Colo	umn E1 - Black	Mastic To 12"	k 12" Off-White FT	W/ Gray Swirl			
91	121719-42A	42	0.095	37.8	16.6	45.6	NAD	NAD
Location:	Basement: OGS Plant Utilit	ies (Engineer's			2" Off-White FT W/ G			
92	121719-42B	42	0.205	26.5	22.3	51.2	NAD	NAD
Location:	Basement: OGS Plant Utilit	ies (Engineer's		Mastic To 12" x 12				
93	121719-43A	43	0.263	21.8	64.5	11.5	Chrysotile 2.2	NA NA
Location:	Basement: Main Area - Col	umn B3 - 12" x	12" Off-White F	T W/ Gray Swirl				
94	121719-43B	43	0.323	22.7	65.0	12.3	NA/PS	NA
Location:	Basement: OGS Plant Utilit	ies (Engineer's	Office) - 12" x 1	12" Off-White FT W	// Gray Swirl			
95	121719-44A	44	0.279	35.4	57.3	7.3	NAD	NAD
Location:	Ground Floor: South Exit Vo	estibule (Cafete	eria) - Black Mas	stic To 12 x 12" Gre	een Marbled FT			
	121719-44B	44	0.245	40.1	36.7	23.2	NAD	NAD

Client Name: CHA Consulting, Inc.

Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by
97	121719-45A	45	0.306	12.1	86.1	1.8		TEM
Location:	Ground Floor: South Exit Ve	stibule (Cafeter	ia) - 12 x 12" G	reen Marbled FT	0011	1.0	NAD	NAD
98	121719-45B	45	0.218	13.0	85.8	1.3	NAD	
Location:	Ground Floor: South Exit Ve	stibule (Cafeter	ia) - 12 x 12" G	reen Marbled FT	33.3	1.0	NAD	NAD
99	121719-46A	46	0.352	43.4	7.6	49.0	NAD	
Location:	Ground Floor: Main Area - Y	ellow / Brown M	lastic To 12" x	12" Cream FT		40.0	NAD	NAD
100	121719-46B	46	0.182	43.7	16.3	39.9	NAD	
Location:	Ground Floor: Main Area - Y	ellow / Brown M	lastic To 12" x	12" Cream FT		00.0	NAD	NAD
101	121719-47A	47	0.303	47.6	21.0	31.4	NAD	
Location:	Ground Floor: Main Area - 12	2" x 12" Cream	FT			01.4	NAD	NAD
102	121719-47B	47	0.308	47.8	21.9	30.3	NAG	
Location:	Ground Floor: Main Area - 12	2" x 12" Cream	FT		21.5	00.0	NAD	NAD
103	121719-48A	48	0.295	13.6	69.9	16.5	NAD	
Location:	Basement: OGS Plumbers R	Room - 12" x 12'	Brown Marble		33.0	10.5	NAD	NAD
104	121719-48B	48	0.284	14.8	68.6	16.6	NAD	
Location:	Basement " Hallway Off OGS	S Plumbers Roc	m - 12" x 12" E	Frown Marbled FT	33.0	10.0	NAD	NAD
105	121719-49A	49	0.165	40.4	10.0	49.6	NAD	
Location:	Ground Floor: South Exit Ves	stibule (Cafeteri	a) - Yellow Can	pet Mastic Under C	Frav Carpet	40.0	NAD	NAD
106	121719-49B	49	0.130	40.8	7.3	51.9	NAD	
Location:	Ground Floor: South Exit Ves	stibule (Cafeteri	a) - Yellow Carı	pet Mastic Under C	Grav Carpet	01.8	NAD	NAD
107	121719-50A	50	0.250	39.5	10.8	49.6	NAD	
Location:	Basement: Lobby - Brown Ma	astic To 4" Blac	k Covebase			40.0	NAD	NAD
108	121719-50B	50	0.327	39.5	14.6	45.9	NAD	
Location:	Basement: Lobby - Brown Ma	astic To 4" Blac	k Covebase		•	40.0	NAD	NAD
109	121719-51A	51	0.127	44.3	55.0	8.0	NAD	
Location:	Basement: OGS Custodial St	taff - Yellow Ma	stic To 4" Black	Covebase	00.0	0.0	NAD	NAD
110	121719-51B	51	0.184	45.1	48.9	5.9	NAD	
Location:	Basement: OGS Custodial St	taff - Yellow Ma	stic To 4" Black	Covebase	10.0	0.0	NAD	NAD
111	121719-52A	52	0.288	42.4	13.5	44.1	NAD	
Location:	Basement: South Lobby - 4" I	Black Covebase	)	··	, 5.0	77.1	NAD	NAD
112	121719-52B	52	0.297	29.8	69.0	1.2	NAD	
Location:	Basement: OGS Custodial St	aff - 4" Black C			00.0	1.4	NAD	NAD

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % b TEM
113	121719-53A	53	0.098	57.1	26.1	16.8	NAD	NAD
Location:	Ground Floor: Cafeteria - Ye	llow Mastic To 6	" Black Coveb	ase			,	IIAD
114	121719-53B	53	0.191	36.4	54.2	9.5	NAD	NAD
Location:	Ground Floor: Cafeteria - Ye	llow Mastic To 6	" Black Coveb	ase				10.10
115	121719-54A	54	0.255	27.3	72.3	0.4	NAD	NAD
Location:	Ground Floor: Cafeteria - 6"	Black Covebase	•				,	III
116	121719-54B	54	0.321	29.8	69.6	0.6	NAD	NAD
Location:	Ground Floor: Cafeteria - 6" (	Black Covebase	ı					NAD
117	121719-55A	55	0.210	33.4	11.2	48.9	Chrysotile 6.5	NA
Location:	Basement: MER - North - Gr	ay Duct Sealant						NA
118	121719-55B	55	0.266	63.5	15.2	21.3	NA/PS	NA
Location:	Basement: MER - North - Gra	ay Duct Sealant						1973
119	121719-56A	56	0.314	68.9	20.8	10.3	NAD	NAD
Location:	Basement: MER - North (Nor	rth Wall) - White	Caulk Around	Duct Wall Penetra	tion			NAD
120	121719-56B	56	0.328	67.7	22.7	9.6	NAD	NAD
Location:	Basement: MER - North (Nor	rth Wall) - White	Caulk Around	Duct Wall Penetra	tion			147.0
121	121719-57A	57	0.283	55.1	13.1	31.8	NAD	NAD
Location:	Basement: MER - North - Bla	ack Expansion J	oint Caulk					IIAD
122	121719-57B	57	0.136	92.4	5.7	1.9	NAD	NAD
Location:	Basement: MER - North - Bla	ack Expansion J	oint Caulk				14.5	MAD
123	121719-58A	58	0.271	45.4	42.5	12.1	NAD	NAD
Location:	Basement: MER - North (Nor	th Wall) - Red F	ire-Stop Seala	int			147.5	IVAD
124	121719-58B	58	0.168	43.9	36.5	19.6	NAD	NAD
Location:	Basement: MER - North (Nor	th Wall) - Red F	ire-Stop Seala	int			147.5	IVAD
125	121719-59A	59	0.392	17.0	81.6	1.4	NAD	NAD
Location:	Ground Floor: Room 80 Adja	cent To Cafeteri	a - Gray Wind	ow Glazing Compo			100	IVAD
126	121719-59B	59	0.303	13.1	85.0	1.8	NAD	NAD
Location:	Ground Floor: Room 80 Adja	cent To Cafeteri	a - Gray Wind	ow Glazing Compo		•	147.5	NAD
127	121719-60A	60	0.533	16.3	67.0	16.5	Anthophyllite <0.25	Anthophyllite <1.0
Location:	Ground Floor: Main Area (No	rth Side) - Gray			00	10.0	Antilophymite ~0.25	Anthophymide <1.0
128	121719-60B	60	0.303	15.5	69.6	13.4	Anthophyllite <0.25	Anthonbullit- 4 F
Laastiaa	Ground Floor: Main Area (No				00.0	10.7	Anthoproprite <0.25	Anthophyllite 1.5

Client Name: CHA Consulting, Inc.

Table I
Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

meriSci ample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by
129	121719-61A	61	0.068	26.2	54.7	19.1	NAD	TEM
Location:	Basement: MER - North - G	ray Pipe Coatin	g		•	10.1	NAD	NAD
130	121719-61B	61	0.174	12.3	83.4	4.3	NAD	
Location:	Basement: MER - North - G	ray Pipe Coatin	g				NAD	NAD
131	121719-62A	62	0.459	53.1	15,1	31.8	NAD	8 1 A Ph
Location:	Basement: South Lobby - G	lue Dabs On Co	oncrete Wall (O	ld Sign)		01.0	IAND	NAD
132	121719-62B	62	0.238	50.9	19.0	30.1	NAD	NAD
Location:	Basement: South Lobby - Gl	lue Dabs On Co	oncrete Wall (O	ld Sign)		00.1	NAD	NAD
133	121719-63	63				****	NAD	N1.4
Location:	Basement: MER South (SW	Wall By Air Ha	ndler) - Floor D	ebris			NAD	NA
134	121719-64A	64	0.320	55.7	43.8	0.5	NAD	NAD
Location:	Exterior: West Side Of Buildi	ing - Gray Caul	k Under Windov	w (Window Perimet	er)	0.0	NAD	NAD
135	121719-64B	64	0.270	52.4	47.3	0.3	NAD	NAD
Location:	Exterior: East Side Of Building	ng - Gray Caulk	Under Window	(Window Perimete	er)		NAD	NAD
136	121719-65A	<b>65</b>	0.316	34.0	31.9	27.9	Chrysotile 6.2	NI A
Location:	Exterior: East Side Of Buildir	ng - Black Wind	low Glazing Cor	mpound			Onlysothe 6.2	NA
137	121719-65B	65	0.243	21.2	50.8	28.0	NA/PS	A1.A
Location:	Exterior: West Side Of Buildi	ng - Black Wind	dow Glazing Co	mpound			NAVE S	NA
138	121719-66A	66	0.269	30.7	34.9	29.5	Chrysotile 4.9	NIA
Location:	Exterior: East Side Of Buildir	ng - Gray Windo	ow Glazing Com	pound		40.0	Chrysothe 4.9	NA
139	121719-66B	66	0.247	15.8	37.8	46.4	NA/PS	A I A
Location:	Exterior: West Side Of Buildi	ng - Gray Wind	ow Glazing Cor	mpound			14747 3	NA
140	121719-67A	67	0.154	55.5	6.9	36.0	Anthophyllite < 0.25	Anthoniu IIII - 4 5
Location:	Exterior: Loading Dock (Soffi	t) - Gray Seam	Caulk To Ceme	entitious Panels			Anthophyline 40.25	Anthophyllite 1.5
141	121719-67B	67	0.207	54.6	7.5	37.8	Anthophyllite < 0.25	NA/DO
Location:	Exterior: Loading Dock (Soffi	t) - Gray Seam	Caulk To Ceme	entitious Panels			varatophymice <0.25	NA/PS
142	121719-68A	68					Chrysotile 21.0	NA
Location:	Exterior: Loading Dock (Soffi	t) - Cementitiou	s Panels				Om y50the 21.0	NA
143	121719-68B	68				===+	NA/PS	ALA
Location:	Exterior: Loading Dock (Soffit	t) - Cementitiou	s Panels				INAVES	NA

Client Name: CHA Consulting, Inc.

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## Table I Summary of Bulk Asbestos Analysis Results

36038; Study To Rehab Building 8 & 8A; 1220 Washington Ave., NY - Bldg. 8 & 8A

TEM	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
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Analyzed by: Aleksandr Barengolts ; Date Analyzed 12/26/2019

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 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 (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:	
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Relinquish	red By:	Date/Time Date/Time Date/Time		TOLL FREE: (8 PHONE: (212) FAX: (212)	EW YORK TH STREET NY 10016 300) 705-5227 2) 679-8600 679-9392
Company:	CHA Consult	ing, Inc.	Project: Study to R	ehab Building 8 & 8A AMERISCI #: 2 1 9 1 2	2855
Street Add	ress: 3 Winne	ars Circle	Proj Mgr: Henry Uh		)38
		State: NY Zip: 12205		) Washington Ave – Bldg. 8 & 8A Proj State	: NY
City: Albar Phone:	<u>iy</u>	Cell: (518) 598-6689	Analysis: XPLM;		M/TEM w/ NOB Prep.
Fax Result	s? Y Fax	#:	ASTM Dust (Mic		AP 198.8 Vermiculite
Email Res		mail: JRoche@Chacompanies.com	Turnaround Time:	5 Day Material Type: \( \sum_B \)	ulk Dust Water
		, Henry Uhlig, Jim Morey	Sampled By: John	Y I	
		Comments: Building 8A		Sample Description (dust area)	Homogenous Area
Lab ID	Field ID 121719-01A	Basement: MER (North) - Air Handler A		Gray Plaster Insulation	+ Step
	121719-01A	Basement: MER (North) - Air Handler B		Gray Plaster Insulation	
	121719-01C	Basement: MER (North) - Air Handler C		Gray Plaster Insulation	V
	121719-02A	Basement: MER (North) 6" Gray Generator Exhaust Pipe		Gray Pre-Molded Plaster Pipe Insulation	
	121719-02B	Basement: MER (North) 6" Gray Generator Exhaust Pipe		Gray Pre-Molded Plaster Pipe Insulation	
	121719-02C	Basement: MER (North) 6" Yellow High Temp Pipe		Gray Pre-Molded Plaster Pipe Insulation	
	121719-03A	Basement: MER (North) 6" Yellow High Temp Pipe		Gray Job-molded Plaster Pipe Fitting Insulation	
	121719-03B	Basement: MER (North) 2" Orange Low Pressure Steam P	ipe	Gray Job-molded Plaster Pipe Fitting Insulation	
	121719-03C	Basement: MER (South) 2" Yellow Low-Pressure Steam P	ipe	Gray Job-molded Plaster Pipe Fitting Insulation	
	121719-04A	Basement: MER (North) - 3" Blue Chilled Water Pipe adja	cent to Air Handler B	Gray Pre-molded Plaster Coating	+ Stop
	121719-04B	Basement: MER (North) - 3" Blue Chilled Water Pipe adja	cent to Air Handler B	Gray Pre-molded Plaster Coating	
	121719-04C	Basement: MER (North) - 3" Blue Chilled Water Pipe adja	cent to Air Handler B	Gray Pre-molded Plaster Coating	1
	121719-05A	Ground Floor: Cafeteria		Gray Job-Molded Plaster Coating over Pipe Fitting FG Insulation	<del>-   ` ` `                              </del>
	121719-05B	Ground Floor: Cafeteria		Gray Job-Molded Plaster Coating over Pipe Fitting FG Insulation	
	121719-05C	Ground Floor: Cafeteria		Gray Job-Molded Plaster Coating over Pipe Fitting FG Insulation	V
	121719-06A	Basement: MER (North) 2" Orange Low Pressure Steam F	Pipe	Pipe End Cap Sealant (FG PI)	
	121719-06B	Basement: MER (North) 2" Orange Low Pressure Steam I	Pipe	Pipe End Cap Sealant (FG PI)	
			, ,		1069

Relinquished By: Received By: Relinquished By: Received By:			AMERI SCI WWW.AMERISCI.COM	BULK CHAIN O AMERISCI NEV 117 EAST 30TH NEW YORK, N TOLL FREE: (800 PHONE: (212) 67 FAX: (212) 67	<b>W YORK</b> I STREET IY 10016 D) 705-5227 379-8600
Company: CHA Consu	ilting, Inc.	Project: Study to R	ehab Building 8 & 8	AMERISCI #: 21912	2855
Street Address: 3 Wini	ners Circle	Proj Mgr: Henry Uh		Proj #: 3603	8
	State: NY Zip: 12205		) Washington Ave –	Bldg. 8 & 8A Proj State:	NY
City: Albany Phone:	Cell: (518) 598-6689	Analysis:PLM;		TEM; NY ELAP PLM	
	x #:	ASTM Dust(Mic		_Qualitative;	2 198.8 Vermiculite
	Email: JRoche@Chacompanies.com	Turnaround Time:		Material Type: Bul	k Dust Water
		Sampled By: John		Date Sampled: 11/18	8-11/21/19
	e, Henry Uhlig, Jim Morey	Sampled By. John	Roche/Tolli Balliy	Date Campica. 11710	, , , , , , , , , , , , , , , , , , , ,
Special Instructions or	Comments: Building 8A				
Lab ID Field ID	Location		Sample De	scription (dust area)	Homogenous Area
121719-07A	Basement : MER North - 6" Yellow High Temp Pipe		Plaster Pipe End Cap Sea	lant	+5tup
121719-07B	Basement : MER North - 6" Yellow High Temp Pipe		Plaster Pipe End Cap Sea	lant	
121719-07C	Basement : MER North - 6" Yellow High Temp Pipe		Plaster Pipe End Cap Sea	lant	N.
121719-08A	Basement: MER (North) - 2" Orange Low Pressure Steam	Pipe	Cloth Wrap over FG Pipe	Insualtion	· ·
121719-08B	Basement: MER (North) - 6" Yellow - High Temp Pipe		Cloth Wrap over FG Pipe	Insualtion	
121719-09A	Basement: MER (North) - 4" Light Blue Pipe.		Paper/Foil over Styrofoa	m Pipe Insualtion	
121719-09B	Basement: MER (North) 3" Blue/Gray Hot Water Return	Pipe	Paper/Foil over Styrofoa	m Pipe Insualtion	
121719-10A	Basement - Main Area above Suspended Ceiling (Column	n B2)	Brown Paper/Foil over F	G Pipe Insulation	
121719-10B	Basement: Main Area - above Suspended Ceiling (Column	n E2)	Brown Paper/Foil over F	G Pipe Insulation	
121719-11A	Basement - Main Area above Suspended Ceiling (Column	n B2)	Foil/Red Paper over FG	Duct Insulation	
121719-11B	Basement: Main Area - above Suspended Ceiling (Column	n E2)	Foil/Red Paper over FG	Duct Insulation	
121719-12A	Basement - Main Area above Suspended Ceiling (Column	n B2)	Foil/Brown Paper over F	G Duct Insulation	
121719-12B	Basement: Main Area - above Suspended Ceiling (Column	n E2)	Foil/Brown Paper over f	G Duct Insulation	
121719-13A	Basement: MER (North)		Black Sealant over FG D	uct Insulation (Inner Layer)	+Stop
121719-13B	Basement: MER (North)		Black Sealant over FG D	uct Insulation (Inner Layer)	
121719-14A	Basement: MER (North)		Brown Paper/ Mastic ur	nder Cloth Wrap (Middle Layer)	
121719-14B	Basement: MER (North)		Brown Paper/ Mastic ur	nder Cloth Wrap (Middle Layer)	

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Company: CHA Consu	Iting, Inc.	Project: Study to P	ehab Building 8 & 8A	2855
Street Address: 3 Winn	nore Cirolo	Proj Mgr: Henry Uh		)38
			) Washington Ave – Bldg. 8 & 8A Proj State	
City: Albany Phone:	State: NY Zip: 12205 Cell: (518) 598-6689	Analysis:PLM;	Positive Stop; TEM; NY ELAP PL	M/TEM w/ NOB Prep.
	x #:	ASTM Dust (Mic		AP 198.8 Vermiculite
	Email: JRoche@Chacompanies.com	Turnaround Time:		
Results to: John Roch	e, Henry Uhlig, Jim Morey	Sampled By: John	Roche/Tom Bailly Date Sampled: 11/	18-11/21/19
Special Instructions or	Comments: Building 8A			
Lab ID Field ID	Location		Sample Description (dust area)	Homogenous Area
121719-15A	Basement: MER (North)		Cloth Wrap over FG Duct Insulation (Outer Layer)	1+Stop
121719-15B	Basement: MER (North)		Cloth Wrap over FG Duct Insulation (Outer Layer)	
121719-16A	Basement: MER (North)		Black Sealant over FG Pipe Insulation (Inner Layer)	+5tep
121719-16B	Basement: MER (North)		Black Sealant over FG Pipe Insulation (Inner Layer)	(
121719-17A	Basement: MER (North)		White Paper/Foil over FG Pipe Insulation Outer Layer)	
121719-17B	Basement: MER (North)		White Paper/Foil over FG Pipe Insulation Outer Layer)	
121719-18A	Basement: MER (North) - Pump Transmission		Green Flange Gasket	
121719-188	Basement: MER (North) - Pump Transmission		Green Flange Gasket	
121719-19A	Basement: South Lobby		Black Terrazzo Flooring	
121719-19B	Basement: South Lobby		Black Terrazzo Flooring	
121719-20A	Basement: MER (North)		CMU Mortar	
121719-20B	Basement: OGS Plant Utilities (Engineer's Office)		CMU Mortar	
121719-21A	Basement: MER South		Lag Cloth Wrap over FG Pipe Insulation	
121719-21B	Basement: MER South		Lag Cloth Wrap over FG Pipe Insulation	
121719-22A	Basement: Lobby		Plaster Wali (Base Coat)	+Stup
121719-22B	Basement: OGS Custodial Staff		Plaster Wall (Base Coat)	
121719-22C	Ground Floor: Cafeteria		Plaster Wall (Base Coat)	
				-7-069

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Company:	: CHA Consul	ting. Inc.		AmeriSci #2 4 0 4	22855			
			Project: Study to Rehab Building 8 & 8A  AMERISCI #219 122855					
	dress: 3 Winne		Proj Mgr: Henry Uh		36038			
City: Albai Phone: Fax Result		State: NY Zip: 12205 Cell: (518) 598-6689 #:	Analysis: PLM;  ASTM Dust (Mic	Positive Stop;TEM;NY ELAP	ate: NY PLM/TEM w/ NOB Prep. ELAP 198.8 Vermiculite			
Email Res	ults?	mail: JRoche@Chacompanies.com	Turnaround Time:					
Results to	: John Roche	, Henry Uhlig, Jim Morey	Sampled By: John					
Special In:	structions or C	Comments: Building 8A						
Lab ID	Field ID	•		T82				
	121719-23A	Basement: Lobby		Sample Description (dust area) Plaster Wall (Skim Coat)	Homogenous Area			
	121719-23B	Basement: OGS Custodial Staff		Plaster Wall (Skim Coat)	1+3top			
	121719-23C	Ground Floor: Cafeteria						
	121719-24A	Basement: Outside OGS Custodial Staff		Plaster Wall (Skim Coat)	- Or			
	121719-24B	Basement: Outside OGS Custodial Staff		Vinyl Wall Paper over Partition Wall Gypsum Board	+ Stap			
	121719-25A	Basement: Outside OGS Custodial Staff		Vinyl Wall Paper over Partition Wall Gypsum Board				
	121719-25B	Basement: Outside OGS Custodial Staff		Partition Wall Gypsum Board				
	121719-26A	Basement: OGS Custodial Staff		Partition Wall Gypsum Board				
	121719-26B	Basement: OGS Custodial Staff		Joint Compound (Wall)	+5 tp			
	121719-27A	Basement: OGS Custodial Staff		Joint Compound (Wall)				
	121719-27B	Basement: OGS Custodial Staff		Gypsum Board (Wall) Gypsum Board (Wall)				
	121719-28A	Basement: Men's Bathroom		Thinset to 2" White Hexagonal CFT	<del></del>			
	121719-28B	Basement: Women's Bathroom		Thinset to 2" White Hexagonal CFT	+52p			
	121719-29A	Basement: Men's Bathroom		Seam Grout to 2" White Hexagonal CFT				
	121719-29B	Basement: Women's Bathroom		Seam Grout to 2" White Hexagonal CFT				
	121719-30A	Basement: Men's Bathroom		2" White Hexagonal CFT				
	121719-30B	Basement: Women's Bathroom		2" White Hexagonal CFT				
		The state of the s		A AALIIGE LEYAROHAI CLI				

Relinquished By:Date/Time  Received By:Date/Time  Relinquished By:Date/Time  Received By:Date/Time			TOLL FRI PHONE	SCI NEW YORK BT 30TH STREET 'ORK, NY 10016 EE: (800) 705-5227 E: (212) 679-8600 (212) 679-9392				
Company: CHA Const	ulting. Inc.		Pehah Building 8 8 8 A	22855				
		FTOIGGE GROUP TO REHAD DURINING O & OA						
Street Address: 3 Win		Proj Mgr: Henry Ur						
City: Albany Phone:	State: NY Zip: 12205 Cell: (518) 598-6689		TENA. I NIVELA	State: NY P PLM/TEM w/ NOB Prep.				
		Analysis: PLM;		•				
Fax Results? Y Fa	x #:	ASTM Dust (Mic	crovac)(Wipe);Qualitative; NY	ELAP 198.8 Vermiculite				
Email Results? Y	Email: JRoche@Chacompanies.com	Turnaround Time:	5 Day Material Type:	_ Bulk Dust Water				
Results to: John Roch	e, Henry Uhlig, Jim Morey	Sampled By: John	n Roche/Tom Bailly    Date Sampled:	1/18-11721/19				
	Comments: Building 8A							
Lab ID Field ID	Basement: Men's Bathroom		Sample Description (dust area)  Bedding Glue to 1" White CWT	Homogenous Area				
121719-31A	Basement: Women's Bathroom		Bedding Glue to 1" White CWT	+ >top				
121719-32A	Basement: Men's Bathroom	·	Seam Grout to 1" White CWT					
121719-32B	Basement: Women's Bathroom		Seam Grout to 1" White CWT					
121719-33A	Basement: Men's Bathroom		1" White CWT					
121719-33B	Basement: Women's Bathroom		1" White CWT					
121719-34A	Basement: South Lobby		1'x1' Mineral Fiberboard CT (Pinhole)					
121719-34B	Basement: Main Area - Column B1		1'x1' Mineral Fiberboard CT (Pinhole)					
121719-35A	Basement: South Lobby	, and the second se	1'x1' Mineral Fiberboard CT (pinhole/crevasse)					
121719-35B	Basement: Main Area - Column B2	· · · · · · · · · · · · · · · · · · ·	1'x1' Mineral Fiberboard CT (pinhole/crevasse)					
121719-36A	Basement: South Lobby		1'x1' Mineral Fiberboard CT (deep crevasse)	,				
121719-36B	Basement: Main Area - Column B1		1'x1' Mineral Fiberboard CT (deep crevasse)					
424740 274	Basement: OGS Custodial Staff		Black Mastic to 9"x9" Gray FT w/ Black Streaks					
121719-37A	Basement: OGS Plant Utilities (Engineer's Office)		Black Mastic to 9"x9" Gray FT w/ Black Streaks					
121719-37A 121719-37B			9"x9" Gray FT w/ Black Streaks					
	Basement: OGS Custodial Staff							
121719-37B	Basement: OGS Custodial Staff  Basement: OGS Plant Utilities (Engineer's Office)		9"x9" Gray FT w/ Black Streaks					
121719-37B 121719-38A			9"x9" Gray FT w/ Black Streaks  Yellow/Brown Mastic to 16"x16" Light Brown Vinyl FT (over Gra	ay 9x9 +Stop				

Relinquished By: Received By: Relinquished By: Received By:	Date/Tir Date/Tir Date/Tir		AMERI SCI WWW.AMERISCI.COM	BULK CHAIN  AMERISCI II  117 EAST 30  NEW YORK  TOLL FREE: (0  PHONE: (21  FAX: (212)	NEW YORK OTH STREET (, NY 10016 B00) 705-5227 2) 679-8600
Company: CHA Cons	ulting, Inc.	Project: Study to B	Rehab Building 8 & 8A	AmeriSci #: 210 1	22855
Street Address: 3 Win	ners Circle	Proj Mgr: Henry Uh			
City: Albany	State: NY Zip: 12205			Proj #: 360	
Phone:	Cell: (518) 598-6689	Analysis:PLM;	0 Washington Ave - Bl		: NY M/TEM w/ NOB Prep.
Fax Results? Y Fa	ax #:		$\Box$ . ''.	-	•
	mail Results? Y Email: JRoche@Chacompanies.com				AP 198.8 Vermiculite
		Turnaround Time:		Material Type: B	ulk Dust Water
	ne, Henry Uhlig, Jim Morey	Sampled By: John	Roche/Tom Bailly	Date Sampled: 1/	18-17721/19
Special Instructions or	Comments: Building 8A				
Lab ID Field ID	Location		Sample Descr	iption (dust area)	Homogenous Area
121719-40A	Ground Floor: Cafeteria		16"x16" Light Brown Vinyl F		1 C C C
121719-40B	Ground Floor: Cafeteria		16"x16" Light Brown Vinyl F	T (over Gray 9x9 FT)	17500
121719-41A	Basement: Main Area - Column B3		Black Mastic to 12"x12" Off	-White FT w/ Gray Swirl	V
121719-41B	Basement: Main Area - Column E1		Black Mastic to 12"x12" Off	-White FT w/ Gray Swirl	
121719-42A	Basement: OGS Plant Utilities (Engineer's Office)		Yellow Mastic to 12"x12" Of	ff-White FT w/ Gray Swirl	
121719-42B	Basement: OGS Plant Utilities (Engineer's Office)		Yellow Mastic to 12"x12" Of	ff-White FT w/ Gray Swirl	
121719-43A	Basement: Main Area - Column B3		12"x12" Off-White FT w/ Gra	ny Swirl	
121719-43B	Basement: OGS Plant Utilities (Engineer's Office)		12"x12" Off-White FT w/ Gra	ay Swirl	
121719-44A	Ground Floor: South Exit Vestibule (Cafeteria)		Black Mastic to 12x12" Gree	n Marbled FT	+ Stap
121719-44B	Ground Floor: South Exit Vestibule (Cafeteria)		Black Mastic to 12x12" Gree	n Marbled FT	
121719-45A	Ground Floor: South Exit Vestibule (Cafeteria)		12x12" Green Marbled FT		
121719-45B	Ground Floor: South Exit Vestibule (Cafeteria)		12x12" Green Marbled FT		
121719-46A	Ground Floor: Main Area		Yellow/Brown Mastic to 12">	(12" Cream FT	tetin
121719-46B	Ground Floor: Main Area		Yellow/Brown Mastic to 12">	<12" Cream FT	1 10 to b
121719-47A	Ground Floor: Main Area		12"x12" Cream FT		
121719-47B	Ground Floor: Main Area		12"x12" Cream FT		
121719-48A	Basement: OGS Plumbers Room		12"x12" Brown Marbled FT		
121719-48B	Basement" Hallway off OGS Plumbers Room		12"x12" Brown Marbled FT		<del> </del>

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Relinquished By:	Date/Time	e: 12-18-19	Bui	K CHAIN OF CUSTODY
Received By: M.	Date/Time	a: 12-18-19 a: 12/19/19 15:04	AMERI SCI	AMERISCI NEW YORK 117 EAST 30TH STREET NEW YORK, NY 10016
Relinquished By:	Date/Time	· <b>9</b> ;		TOLL FREE: (800) 705-5227 PHONE: (212) 679-8600
Received By:	Date/Tim		WWW.AMERISCI.COM	FAX: (212) 679-9392
Company: CHA Const			AmeriSci #:	
Company. CHA Const	uiting, inc.	Project: Study to Re	ehab Building 8 & 8A	219122855
Street Address: 3 Win	ners Circle	Proj Mgr: Henry Uhl		Proj #: 36038
City: Albany	State: NY Zip: 12205	Proj Address: 1220	Washington Ave - Bldg. 8 & 8A	
Phone:	Cell: (518) 598-6689	Analysis:PLM;		NY ELAP PLM/TEM w/ NOB Prep.
Fax Results? Y Fa	ax #:	ASTM Dust (Micr	· ·	NY ELAP 198.8 Vermiculite
Email Results?	Email: JRoche@Chacompanies.com	Turnaround Time:		
1	ne, Henry Uhlig, Jim Morey	Sampled By: John		Type: Bulk Dust Water
	Comments: Building 8A		Date Of	inplea. 11/10-11/21/19
Lab ID Field ID	Location		Sample Description (dust	area) Homogenous Area
121719-49A	Ground Floor: South Exit Vestibule (Cafeteria)		Yellow Carpet Mastic under Gray Carpet	- Jonogorodo Arga
121719-49B	Ground Floor: South Exit Vestibule (Cafeteria)		Yellow Carpet Mastic under Gray Carpet	
121719-50A	Basement: Lobby		Brown Mastic to 4" Black Covebase	
121719-50B	Basement: Lobby		Brown Mastic to 4" Black Covebase	
121719-51A	Basement: OGS Custodial Staff		Yellow Mastic to 4" Black Covebase	
121719-51B	Basement: OGS Custodial Staff		Yellow Mastic to 4" Black Covebase	
121719-52A	Basement: South Lobby		4" Black Covebase	
121719-52B	Basement: OGS Custodial Staff		4" Black Covebase	
121719-53A	Ground Floor: Cafeteria		Yellow Mastic to 6" Black Covebase	1-560
121719-53B	Ground Floor: Cafeteria		Yellow Mastic to 6" Black Covebase	7 300
121719-54A	Ground Floor: Cafeteria		5" Black Covebase	
121719-54B	Ground Floor: Cafeteria		5" Black Covebase	
121719-55A	Basement: MER - North		Gray Duct Sealant	
121719-55B	Basement: MER - North		Gray Duct Sealant	
121719-56A	Basement: MER - North (North Wall)		White Caulk around Duct Wall Penetration	
121719-56B	Basement: MER - North (North Wall)	·	White Caulk around Duct Wall Penetration	
121719-57A	Basement: MER - North		Black Expansion Joint Caulk	
121719-57B	Basement: MER - North		Black Expansion Joint Caulk	
	- Inc			7,09

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Company: CHA Cons	ulting, Inc.		Decide to Standard 5		AmeriS	a#: 219	12	285	5
Street Address: 3 Wir	ners Circle	1	Project: Study to R		8A			<b>7</b> / 11: <b>Y</b> /\	
City: Albany	State: NY Zip: 12205		Proj Mgr: Henry Uh				#: 36038		
Phone:			Proj Address: 1220		- Bldg. 8 & TEM;		State: N		D D
Fax Results? Y F	. , , ax #:		Analysis: PLM; ASTM Dust (Mic						•
					Qualitativ	ve;	Y ELAP 1	98.8 Verm	iculite
	Email: JRoche@Chacompanies.com		Turnaround Time:	5 Day	Mate	erial Type:	Bulk	Dust_	_ Water
Results to: John Roc	he, Henry Uhlig, Jim Morey		Sampled By: John	Roche/Tom Bailly	Dat	te Sampled:	1/18-1	1721/19 L	J
special manactions o	r Comments: Building 8A								
Lab ID Field ID	Location	on		Sample D	escription (	dust area)	1	lomogeno	us Area
Lab ID Field ID	Basement: MER - North (North Wall)	on		Sample D Red Fire-Stop Sealant	escription (	dust area)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)	on		Red Fire-Stop Sealant Red Fire-Stop Sealant		dust area)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B 121719-59A	Basement: MER - North (North Wall) Basement: MER - North (North Wall) Ground Floor: Room 80 adjacent to Cafeteria	on		Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing (	Compound	dust area)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B 121719-59A 121719-59B	Basement: MER - North (North Wall) Basement: MER - North (North Wall) Ground Floor: Room 80 adjacent to Cafeteria Ground Floor: Room 80 adjacent to Cafeteria	on		Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing (	Compound	dust area)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B 121719-59A 121719-59B 121719-60A	Basement: MER - North (North Wall) Basement: MER - North (North Wall) Ground Floor: Room 80 adjacent to Cafeteria Ground Floor: Room 80 adjacent to Cafeteria Ground Floor - Main Area (North Side)	on		Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing (	Compound Compound Compound	dust area)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B 121719-59A 121719-59B 121719-60A 121719-60B	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)	on		Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing (	Compound Compound Compound	dust area)		lomogeno	us Area
121719-58A 121719-58B 121719-59A 121719-59B 121719-60A 121719-60B 121719-61A	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North	on		Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Pipe Coating	Compound Compound Compound	dust area)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B 121719-59A 121719-59B 121719-60A 121719-60B 121719-61A 121719-61B	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: MER - North	on		Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating	Compound Compound Compound Compound			lomogeno	us Area
Lab ID Field ID  121719-58A  121719-58B  121719-59A  121719-59B  121719-60A  121719-60B  121719-61A  121719-61B  121719-62A	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: MER - North	on		Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating Glue Dabs on Concrete	Compound Compound Compound Compound	)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B 121719-59A 121719-59B 121719-60A 121719-60B 121719-61A 121719-61B	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: South Lobby  Basement: South Lobby			Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating Glue Dabs on Concrete Glue Dabs on Concrete	Compound Compound Compound Compound	)		lomogeno	us Area
121719-58A 121719-58B 121719-59B 121719-59B 121719-60A 121719-60B 121719-61B 121719-62A 121719-62B	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: MER - North			Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating Glue Dabs on Concrete Glue Dabs on Concrete Floor Debris	Compound Compound Compound Wall (Old Sign	)	<b>F</b>	lomogeno	us Area
Lab ID Field ID  121719-58A  121719-58B  121719-59A  121719-59B  121719-60A  121719-60B  121719-61B  121719-62A  121719-62B  121719-63	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: MER - North  Basement: South Lobby  Basement: South Lobby  Basement: MER South (SW Wall by Air Handler			Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating Glue Dabs on Concrete Glue Dabs on Concrete Floor Debris Gray Caulk under Wind	Compound Compound Compound Wall (Old Sign Wall (Old Sign Ow (Window P	) ) 'erimeter)		lomogeno	us Area
Lab ID Field ID 121719-58A 121719-58B 121719-59A 121719-59B 121719-60A 121719-60B 121719-61A 121719-61B 121719-62A 121719-62B 121719-63 121719-64A	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: MER - North  Basement: South Lobby  Basement: South Lobby  Basement: MER South (SW Wall by Air Handler Exterior: West Side of Building			Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating Glue Dabs on Concrete Glue Dabs on Concrete Floor Debris Gray Caulk under Wind	Compound Compound Compound Wall (Old Sign Wall (Old Sign ow (Window P	) ) 'erimeter)		lomogeno	us Area
121719-58A 121719-58B 121719-59B 121719-60A 121719-60B 121719-61B 121719-62A 121719-62B 121719-63 121719-64A 121719-64B	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: MER - North  Basement: South Lobby  Basement: South Lobby  Basement: MER South (SW Wall by Air Handler Exterior: West Side of Building			Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating Glue Dabs on Concrete Glue Dabs on Concrete Floor Debris Gray Caulk under Wind Black Window Glazing (	Compound Compound Compound Wall (Old Sign Wall (Old Sign ow (Window P ow (Window P	) ) 'erimeter)		lomogeno	us Area
121719-58A 121719-58B 121719-59A 121719-59B 121719-60A 121719-60B 121719-61A 121719-61B 121719-62A 121719-62B 121719-63 121719-64A 121719-64A 121719-64B	Basement: MER - North (North Wall)  Basement: MER - North (North Wall)  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor: Room 80 adjacent to Cafeteria  Ground Floor - Main Area (North Side)  Ground Floor - Main Area (North Side)  Basement: MER - North  Basement: MER - North  Basement: South Lobby  Basement: South Lobby  Basement: MER South (SW Wall by Air Handler Exterior: West Side of Building  Exterior: East Side of Building			Red Fire-Stop Sealant Red Fire-Stop Sealant Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Window Glazing ( Gray Pipe Coating Gray Pipe Coating Glue Dabs on Concrete Glue Dabs on Concrete Floor Debris Gray Caulk under Wind	Compound Compound Compound Compound Wall (Old Sign Wall (Old Sign ow (Window P Compound Compound	) ) 'erimeter)		lomogeno	us Area

Relinquished By: Received By: Relinquished By: Received By:	Date/Tin Date/Tin Date/Tin Date/Tin		AMERI SCI  WWW.AMERISCI.COM	BULK CHAIN ( AMERISCI NE 117 EAST 30TH NEW YORK, N TOLL FREE: (800 PHONE: (212) FAX: (212) 67	W YORK H STREET NY 10016 0) 705-5227 679-8600
Company: CHA Cons	ulting, Inc.	Project: Study to E	ehab Building 8 & 8A	AmeriSci #21912	2855
Street Address: 3 Win	ners Circle	Proj Mgr: Henry Uh			
City: Albany Phone: Fax Results? Y Fa	State: NY Zip: 12205 Cell: (518) 598-6689	Proj Address: 1220 Analysis: PLM;	O Washington Ave – Bidg	TEM; NY ELAP PLM	
Email Results?	Email: JRoche@Chacompanies.com	Turnaround Time:	<u> </u>	Material Type: Bull	
	e, Henry Uhlig, Jim Morey	Sampled By: John		Date Sampled: 11/18	
Lab ID Field ID	Comments: Building 8A  Location  Exterior: Loading Dock (Soffit)		Sample Descript		Homogenous Area
121719-67B	Exterior: Loading Dock (Soffit)		Gray Seam Caulk to Cement		
121719-68A	Exterior: Loading Dock (Soffit)		Gray Seam Caulk to Cement Cementitious Panels	itious Panels	
121719-68B	Exterior: Loading Dock (Soffit)		Cementitious Panels		
					0.19



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BK0722108

7/11/2022

7/14/2022

## **Bulk Asbestos Report by PLM-TEM**

Client: CHA Consulting Inc

Project Name/No.: Bldg 8

Project Address: Harriman Campus

Collected By: Client
Work Area: Penthouse

								PLM		TEM	Meth	od By	ELAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	AII %	ASI %	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
01A	BK0722108-1	Abandoned Chilled H2O Insulation	White, Homogeneous, Non-Fibrous	23.1	10.3	66.6	0%	100%	NAD Inconclusive	NAD		х	х
01B	BK0722108-2	Abandoned Chilled H2O Insulation	White, Homogeneous, Non-Fibrous	19.4	10.9	69.7	0%	100%	NAD Inconclusive	NAD		х	х
01C	BK0722108-3	Abandoned Chilled H2O Insulation	White, Homogeneous, Non-Fibrous	12.7	17.4	69.9	0%	100%	NAD Inconclusive	NAD		х	х
02A	BK0722108-4	Return Duct Work Jacketing	White, Homogeneous, Non-Fibrous	14.4	4.5	81.1	0%	100%	NAD Inconclusive	NAD		х	х
02B	BK0722108-5	Return Duct Work Jacketing	White, Homogeneous, Non-Fibrous	30.4	3.4	66.2	0%	100%	NAD Inconclusive	NAD		х	х
02C	BK0722108-6	Return Duct Work Jacketing	White, Homogeneous, Non-Fibrous	18.8	32.3	48.9	0%	100%	NAD Inconclusive	NAD		х	х
03A	BK0722108-7	Steam Pipe Insulation	White, Homogeneous, Non-Fibrous	27.9	13.4	58.7	0%	100%	NAD Inconclusive	NAD		х	х
03B	BK0722108-8	Steam Pipe Insulation	White, Homogeneous, Non-Fibrous	27.9	13.4	58.7	0%	100%	NAD Inconclusive	NAD		х	х
03C	BK0722108-9	Steam Pipe Insulation	White, Homogeneous, Non-Fibrous	9.6	62.2	28.2	0%	100%	NAD Inconclusive	NAD		х	х
04A	BK0722108-10	Supply Duct Work Insulation (SF-1)	White, Homogeneous, Non-Fibrous	58.3	5.1	36.6	0%	100%	NAD Inconclusive	NAD		х	х

Page 1 of 2 PM20 Rev 3 Jan 2022

**AEL ID#** 

**Date Received:** 

Report Date:

PLM Date Analyzed: 7/12/2022

**TEM Date Analyzed:** 7/12/2022



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7/11/2022

7/14/2022

ВС

### **Bulk Asbestos Report by PLM-TEM**

Client: CHA Consulting Inc

Project Name/No.: Bldg 8

Project Address: Harriman Campus

Collected By: Client
Work Area: Penthouse

Client				ODG	A 11	ASI		PLM		TEM	Meth	od By	ELAP	
Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	_			Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
04B	BK0722108-11	Supply Duct Work Insulation (SF-3)	White, Homogeneous, Non-Fibrous	29.4	4.5	66.1	0%	100%	NAD Inconclusive	NAD		Х	Х	
04C	BK0722108-12	Supply Duct Work Insulation (SF-7)	White, Homogeneous, Non-Fibrous	27.2	31.6	41.2	0%	100%	NAD Inconclusive	NAD		x	х	
04D	BK0722108-13	Supply Duct Work Insulation (SF-9)	White, Homogeneous, Non-Fibrous	13.9	16.9	69.2	0%	100%	NAD Inconclusive	NAD		x	x	
04E	BK0722108-14	Supply Duct Work Insulation (SF-14)	White, Homogeneous, Non-Fibrous	16.0	11.6	72.4	0%	100%	NAD Inconclusive	NAD		x	x	

^{*}Samples 7 & 8 analyzed as combined

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophylite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

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.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, AII= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL .Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.

NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034 "ELCP on NJ won't apply to TEM", CT ID:PH-0154

PLM Analyst: FC

TEM Analyst: VR

Approved by:

Page 2 of 2 PM20 Rev 3 Jan 2022

AFL ID#

**Date Received:** 

Report Date:

PLM Date Analyzed: 7/12/2022

TEM Date Analyzed: 7/12/2022



# BK0722108

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503 New York, NY. 10018

Phone: (212) 563-0400 Fax: (212) 563-0401

# BULK Material for Asbestos, Chain of Custody Client CHA Consultive Contact Name \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \( \) \(

Field ID	AEL Lab ID	Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
OIA	1	Abundoned Chilled Ho In	sulado	m	
013	2	N			
0/6	3	· · · · · · · · · · · · · · · · · · ·			
OZA	4	Return Ductwork Jack	setn		
OZB	5	u		2	
ORC	6	y.			
03A	7	Steam Pipe Insulation			
0312	8				
03C	9	<b>~</b>			
04A	10	SUPPLY DUCT WORK Ins	ulah	m (59	=-}
043	11			(SF-	3\
04C	12	·		ICF-	7
04D	13			CSF-9	7)
04E	14			15F-14	7
Sampled E		Signature)	Date:	102/22	Fime: 51092
Aelinquish	ieu by:	( )	Date:		Time.
Received	By: Juster	Signature:	Date: 7-1	11-72	Time: / /3', ((3
Analyst:	1/20	Signature:	Date	2 2 7 PM1 Rev 1	Time:

All GAMPLES PRECEDED 134: (AS-06-3022-)

PM1 Rev 1 Jan 2018



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BK0822237

8/16/2022

8/19/2022

### **Bulk Asbestos Report by PLM-TEM**

Client: CHA Consulting Inc

Project Name/No.: 63842

Project Address: Bldg 8, 8th & 9th FL

Collected By: Client

Work Area: Concrete Supply

								PLM		TEM	Meth	od By	ELAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	AII %	ASI %	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
01	BK0822237-1	Concrete Floor Slab - 8th Floor - Column J4	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
02	BK0822237-2	Concrete Floor Slab - 8th Floor - Column F5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
03	BK0822237-3	Concrete Floor Slab - 8th Floor - Column E2	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
04	BK0822237-4	Concrete Floor Slab - 8th Floor - Column D4	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
05	BK0822237-5	Concrete Floor Slab - 8th Floor - Column D7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
06	BK0822237-6	Concrete Floor Slab - 8th Floor - Column A6	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
07	BK0822237-7	Concrete Floor Slab - 8th Floor - Column E8	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
08	BK0822237-8	Concrete Floor Slab - 8th Floor - Column J7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
09	BK0822237-9	Concrete Floor Slab - 8th Floor - Column J3	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		х		
10	BK0822237-10	Concrete Floor Slab - 8th Floor - Column G1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		

Page 1 of 4 PM20 Rev 3 Jan 2022

**AEL ID#** 

**Date Received:** 

Report Date:

**TEM Date Analyzed:** 

PLM Date Analyzed: 8/17/2022

ATE/S

**Bulk Asbestos Report by PLM-TEM** 

Atlas Environmental Lab, Corp. 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

www.atlasenvironmentallab.com

Client: CHA Consulting Inc

Project Name/No.: 63842

Project Address: Bldg 8, 8th & 9th FL

Collected By: Client

Work Area: Concrete Supply

AEL ID# BK0822237

Date Received: 8/16/2022

PLM Date Analyzed: 8/17/2022

**TEM Date Analyzed:** 

**Report Date:** 8/19/2022

0111				ORG All ASI		PLM TEM		PLM		TEM			
Client ID#	Lab ID#	Description/ Location	Analyst Description	%	%	%	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
11	BK0822237-11	Concrete Floor Slab - 8th Floor - Column C1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
12	BK0822237-12	Concrete Floor Slab - 8th Floor - Column A4	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		х		
13	BK0822237-13	Concrete Floor Slab - 8th Floor - Column A7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
14	BK0822237-14	Concrete Floor Slab - 8th Floor - Column C10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
15	BK0822237-15	Concrete Floor Slab - 8th Floor - Column G10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
16	BK0822237-16	Concrete Floor Slab - 9th Floor - Column I5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
17	BK0822237-17	Concrete Floor Slab - 9th Floor - Column F5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
18	BK0822237-18	Concrete Floor Slab - 9th Floor - Column E2	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
19	BK0822237-19	Concrete Floor Slab - 9th Floor - Column D4	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
20	BK0822237-20	Concrete Floor Slab - 9th Floor - Column A5	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		x		

Page 2 of 4 PM20 Rev 3 Jan 2022

ATE/S

CHA Consulting Inc

Client:

**Bulk Asbestos Report by PLM-TEM** 

Atlas Environmental Lab, Corp. 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401 www.atlasenvironmentallab.com

**AEL ID#** BK0822237

Project Name/No.:63842Date Received:8/16/2022Project Address:Bldg 8, 8th & 9th FLPLM Date Analyzed: 8/17/2022

Collected By: Client TEM Date Analyzed:

Work Area: Concrete Supply Report Date: 8/19/2022

Client				000	All	ASI		PLM		TEM	Meth	od By	ELAP
ID#	Lab ID#	Description/ Location	Analyst Description	ORG %		Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4	
21	BK0822237-21	Concrete Floor Slab - 9th Floor - Column D6	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
22	BK0822237-22	Concrete Floor Slab - 9th Floor - Column E8	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
23	BK0822237-23	Concrete Floor Slab - 9th Floor - Column E1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
24	BK0822237-24	Concrete Floor Slab - 9th Floor - Column B1	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
25	BK0822237-25	Concrete Floor Slab - 9th Floor - Column A3	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
26	BK0822237-26	Concrete Floor Slab - 9th Floor - Column A7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
27	BK0822237-27	Concrete Floor Slab - 9th Floor - Column B10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
28	BK0822237-28	Concrete Floor Slab - 9th Floor - Column E10	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
29	BK0822237-29	Concrete Floor Slab - Column J3	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		х		
30	BK0822237-30	Concrete Floor Slab - Column J7	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		

Page 3 of 4 PM20 Rev 3 Jan 2022

ATLAS

### **Bulk Asbestos Report by PLM-TEM**

Atlas Environmental Lab, Corp. 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

www.atlasenvironmentallab.com

Client: CHA Consulting Inc

Project Name/No.: 63842

Project Address: Bldg 8, 8th & 9th FL

Collected By: Client

Work Area: Concrete Supply

**AEL ID#** BK0822237 **Date Received:** 8/16/2022

PLM Date Analyzed: 8/17/2022

TEM Date Analyzed:

**Report Date:** 8/19/2022

Client				ODG	A11	ASI		PLM		TEM	Meth	od By	ELAP	
Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %			_	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
31	BK0822237-31	Column Concrete - Column G3 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		Х			
32	BK0822237-32	Column Concrete - Column D4 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace <1%CHRY		Х			
33	BK0822237-33	Column Concrete - Column D9 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	98.9%	1.1%CHRY		Х			
34	BK0822237-34	Column Concrete - Column G8 (8th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х			
35	BK0822237-35	Column Concrete - Column E3 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х			
36	BK0822237-36	Column Concrete - Column D4 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х			
37	BK0822237-37	Column Concrete - Column D9 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	98.7%	1.3%CHRY		Х		_	
38	BK0822237-38	Column Concrete - Column G8 (9th FL)	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х	·		

JR

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%,FBGL=Fiberglass, CELL=Cellulose,CHRY=Chrysotile,Amo=Amosite,CRO=Crocidolite,ANTH=Anthophylite, TRE=Tremolite, ACT=Actinolite, NA=not applicable.

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.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4".

ORG%=Ashed Organic%, All= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL. Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice.

NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034 "ELCP on NJ won't apply to TEM", CT ID:PH-0154

PLM Analyst: MN TEM Analyst: Approved by:

Page 4 of 4 PM20 Rev 3 Jan 2022



## BIJ9 8 HARRIMAN STATE OFFICE CAMPUS

BK08 22237

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone: (212) 563-0400 Fax: (212) 563-0401

**BULK Material for Asbestos, Chain of Custody** 

Client C Address	HA CO	NEWlting INC	Contact Name  Phone Number 578- Email jmoreyech	Mores 466-1501	Project	Name & No Location <i>P</i>	6384	<u>z</u>
			-NOB,Stop on 1st positive po		WV OFK D	roa (*	A C	I
-			Time: Same Day					
	lf	•	proceed to Method 19			irs.		
Field ID	AEL Lab ID		cation/Description	·	Friable/ Non	Homogenous Area	Accept Sample	_
01		Concrete F	Floor Slab	. CME	Friable	*1	Yes/No	-
62			1	0 1		<u>"olumn</u>		74
03					1	duma		_
04	·					olumn		4
05						obumn		-
						olumnI		
06					- 0	olumn	A6	
07	·	0		J	-C	lumn	E8	
08		Concrete F	100 Slab-	8mFle		lumn	アフ	
09					- 1		J 3	
10					- 0	olumn		
11					- 00	lumn	01	1
12						bunn	AU	<u> </u>
13						,	<del>/                                    </del>	•
14		J	,			umn A		
Sampled By:	6~u	Signature:			Date:	Lunn	<u>C 10</u> Time:	
Relinquished	l Ву:	Signature:		> +		122	(, 6- Time;	
Received By	y Gora	Signature	alle T		Date: 5%		Time:	
Analyst:	) N	Signature:	A soil		Date: 8/12/	Zer	Time:	
	11/	SAMPLE	# 1 7000	CDED,		PMI Rev 1 Ja	13:401	
4	711	>11111	/ /	7	//	08102	•	
			1 0/	_>	("1=	SUMIUA		



Client_

Address

# BKO822137

Contact Name_

Phone Number___

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503 New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

PM1 Rev 1 Jan 2018

Project Name & No._

## **BULK Material for Asbestos, Chain of Custody**

Address			Phone Num! Email_	oer		Project Location				
						Work A	rea			
Analysis R	equested:	PLM, PLM-NOB,TEM-N	IOB,Stop on	1 st positive per ho	mogeneous n	naterial	SOF/SM-V (198.8)			
		Turn Around 1	i <b>me</b> : □ Sar	ne Day 🗀 24.	Uro	Ura Mara	1			
							ars.			
		Vermiculite present, p	proceed to N	lethod 198.8:		_ TAT:				
Field ID	AEL Lab ID	Loc	ation/Descr	ption		Friable/ Non	Homogenous Area	Accept Sample		
	·					Friable		Yes/No		
15		Concrete	tloor	Slab	- Rr	E1	Colum	n 610		
16					-91	a.F.	Colum	25		
17			<u>.</u>		- G M		Colum			
18			14 14		91		Column			
19		÷		-	900	F1 -	Column			
20					Ox					
21							Colum	<del></del>		
22			<del>                                     </del>			·	-colum			
23			<del> </del>		9"	J-1	colur	9 1		
24			}		you	FI.	- Colu	mnEl		
		<del></del>		<del></del>	gr	F1	colum	m B1		
25					-27	F1	colun	in A3		
24					970	F1		, ,		
27					gra		colimn	1		
28			V		94		Column			
Sampled By	سمس	Signature:	21			Date: // 0/	22	Time:		
Relinquishe	•	Signature:				Date		Time:		
Received By		Signature:	ally i			Date: 9/16	h	Time:		
Analyst: M	N	Signature:	(Z	Ja-		Date: 081	1712on	Time: (5) 40		

213



Client

# BKOPIZI37

Contact Name__

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503

New York, NY 10018 Phone:(212) 563-0400 Fax:(212) 563-0401

## **BULK Material for Asbestos, Chain of Custody**

Address		Contact Name Phone Number Email	Project Name & No Project Location
			Work Area
Analysis Re	equested:	 RLM, PLM-NOB,TEM-NOB,Stop on 1 st positive per homoç	
		Turn Around Time: ☐ Same Day ☐ 24 Hrs	s. 🗌 48 Hrs. 💢 72 Hrs.
····		Vermiculite present, proceed to Method 198.8:	TAT:
Field ID	AEL Lab ID	Location/Description	Friable/ Homogenous Accept Non Area Sample Friable Yes/No
29	-	Concrete Floor Slab	- column J3
ەد		<u> </u>	Column J7
31		that the Column Concre	the column G3 (em Fil)
25			- column D4
35	-		-column ba
34			- Colomn G8
35			- Column E3 (grafloor
26			- Column Dy
37			- column D9
38			-column 68 V
Sampled By	<u> </u>	Cignothyou	
Sampled By J. M. Relinquishe		Signature:	Date: 08/10/22 Timer Sc00
Received By		Signature:	Date: / / Time:
<i>Sg-, 44</i> Analyst:	ing la	Signature:	Date: Slefn Time: 45
N	7M	organical Control of the Control of	Date: 08/17/200 Time: 15:40



Atlas Environmental Lab, Corp. 255 West 36th Street, Suite# 1503 New York, NY 10018 Phone:(212) 563-0400 Fax:(212) 563-0401 www.atlasenvironmentallab.com

BK0823175

8/11/2023

#### **Bulk Asbestos Report by PLM-TEM**

**CHA Consulting** Client:

Collected by: Client

Project Name/No.: OGS: Building 8 Renovations / 063842

Harriman Campus, Albany, NY **Project Address:** 

Work Area:

PLM Date Analyzed: 8/12/2023

**TEM Date Analyzed: Report Date:** 8/14/2023

Lab ID:

Date Received:

				000		A CI		PLM		TEM	Metho	od By E	LAP
Client ID#	Lab ID#	Description/ Location	Analyst Description	ORG %	All%	ASI %	Fibrous%	Non Fibrous%	Asbestos% &Type	Asbestos% &Type	PLM 198.1	PLM NOB 198.6	TEM 198.4
080923RB 01A	BK0823175-1A	Concrete Flooring - Basement South Center Barrier	Brown, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		х		
080923RB 01A	BK0823175-1B	Concrete Flooring - Basement South Center Barrier	Grey, Homogeneous, Friable	Not	Applic	able	0%	~99%	Trace (<1%)CHRY		х		
080923RB 01B	BK0823175-2	Concrete Flooring - Basement South West	Grey, Homogeneous, Friable	Not	Applic	able	5%CELL	95%	NAD		х		
080923RB 01C	BK0823175-3	Concrete Flooring - Basement West Center	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		Х		
080923RB 01D	BK0823175-4	Concrete Flooring - Basement Center	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		X		
080923RB 01E	BK0823175-5	Concrete Flooring - Basement North East Corner	Grey, Homogeneous, Friable	Not	Applic	able	5% SYNTHETIC	95%	NAD		X		
080923RB 01F	BK0823175-6	Concrete Flooring - Basement North Center	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		X		
080923RB 01G	BK0823175-7	Concrete Flooring - Basement North West Corner	Grey, Homogeneous, Friable	Not	Applic	able	0%	100%	NAD		X		

Quantitative Analysis (Semi/Full):Bulk Asbestos Analysis-PLM by EPA 600/M4-82-020 per 40 CFR or ELAP198.1 (friable) and 198.6 (NOB) samples for New York.

NAD=no asbestos detected, NA/PS=Not Analyzed/Positive Stop, Trace=<1%, FBGL=Fiberglass, CELL=Cellulose, CHRY=Chrysotile, Amo=Amosite, CRO=Crocidolite, ANTH=Anthophylite, TRE=Tremolite, ACT=Actinolite, NA=not applicable. 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.

All samples were prepared and analyzed in accordance with the EPA "TEM Method for Identifying and Quantifying Asbestos in Non-Fibrous Organically Bound Bulk Samples" ELAP 198.4". ORG%=Ashed Organic%, All= Acid Insoluble Inorganic%, ASI= Acid Soluble Inorganic%

This "Summary of Analytical Results "shall not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, ELAP or any agency of the U.S Government. The results relate only to the items tested. This report may not be reproduced, except in full, without the written approval of AEL . Atlas Environmental lab did not collect the analyzed samples and thus accepts no liability with regard to their collection and/or maintenance. AEL relies on client's data. The liability of Atlas Environmental Lab corp with respect to the services charged, shall in no event exceed the amount of the invoice. NYS-ELAP#11999, NVLAP Lab Code: 500092-0, NJ ID: NY034 "ELCP on NJ won't apply to TEM", CT Reg. ID: PH-0154

PLM Analyst: DK TEM Analyst: Approved by:

> Page 1 of 1 PM20 REV2, July 2019



# BK0823175

PO Number: 06384208 Co 3

Atlas Environmental Lab, Corp 255 West 36th Street, Suite# 1503

New York, NY 10018

Phone:(212) 563-0400 Fax:(212) 563-0401

BULK Material for Asbestos, Chain of Custody

OGS: Building 8 Renovations

Client_C Address	III Winne	ulting INC. rs Circle NY, 12205	Contact Name Jim Morey Phone Number Email JMorey@chacompanies.c RBurbank@chacompanies.com	Project	- Harriman ( Name & No. <u>(</u> Location <u>Alb</u>	)63842
Analysis R	equested: X	PLM, X PLM-NOB, X 1	TEM-NOB, X Stop on 1st positive per homogeneous r			
			ınd Time: ☐ Same Day ☐ 24 Hrs. ☐ 48			
	If		ent, proceed to Method 198.8:			
Field ID	AEL Lab ID		Location/Description	Friable/ Non Friable	Homogenous Area	Accept Sample Yes/No
RBOIA	1	Concrete	1) 1 / O CPAT	er		
013	2	11	Besement South west			
010	3	(1)	Schement west como	ter.		
010	4	11 /	Rusement Center			i
OIE	5	W /	Basement North east	Corner		
OIF	6	W/	Roberment North center			
5016	4	11		Lomer	-	
a-		1				j
						10
Sampled E	By: () \	Signat	ure:	Date: M/	09117	Time:
Relinquish	ed By:	en Sucon Signat	ure:	Date: X	1103	Time:
Received I	By:	Signat	ure:	Date: 87/	1/23	Time:
Analyst:	0//-	Signat	ure: (A)	Date:	1.1	Time:



## **APPENDIX E**

**Lead-Based Paint Analytical Report** 



Atlas Environmental Lab, Corp 255 W 36th Street Suite 1503 New York, NY 10018 Phone:(212) 563-0400 Fax:(718) 563-0401 www.atlasenvironmentallab.com

#### REPORT OF ANALYSIS FOR LEAD PAINT

Client: CHA Consulting, Inc; III Winners Circle, Albany, NY 12205 Report No: LP1219417 Collected by: Client **Date Sampled:** 12/16/2019 Project Name/No.: Bldg. 8 Renovations / #36038 **Date Received:** 12/17/2019 **Project Address:** Harriman Campus, Albany, New York **Date Analyzed: 12/18/2019** Work Area: Basement - 7th Floor Report Date: 12/18/2019

Client ID #	Lab ID #	Location/Description	Result (% Pb W/W)
LBP-121219-01	LP1219417-1	Basement - F Room Storage / Beige Wall Paint	0.08
LBP-121219-02	LP1219417-2	Basement - Generator Room E-76 / White Wall Paint	<0.03
LBP-121219-03	LP1219417-3	Basement - G1, Storage Room 14 / Silver Paint on 12" Pipe	<0.03
LBP-121219-04	LP1219417-4	Basement - Room 17 Adjacent to C7 (Secure Storage) / Yellow Wall Paint	0.09
LBP-121219-05	LP1219417-5	Ground - Service Lobby / White Wall Paint	<0.03
LBP-121219-06	LP1219417-6	1st Floor - Corridor - Wooden Wall Protectors / Green Paint	<0.03
LBP-121219-07	LP1219417-7	1st Floor - Computer Room III / Brown Door Frame Paint	<0.03
LBP-121219-08	LP1219417-8	1st Floor - Computer Room III / Light Green Wall Paint	0.06
LBP-121219-09	LP1219417-9	1st Floor - Programming & Analytics / Beige Wall Paint	<0.03
LBP-121219-10	LP1219417-10	1st Floor - Perimeter Walkway - Programming & Analytics / Light Blue Wall Paint	<0.03
LBP-121219-11	LP1219417-11	1st Floor - Programming & Analytics (Main Doors) / Beige Paint (Doors)	<0.03
LBP-121219-12	LP1219417-12	1st Floor - Air Conditioner (171) / Gray Floor Paint	0.60
LBP-121219-13	LP1219417-13	2nd Floor - Men's Bathroom / White Paint (Door)	<0.03
LBP-121219-14	LP1219417-14	4th Floor - Men's Bathroom / White Door Frame Paint	0.29
LBP-121219-15	LP1219417-15	7th Floor- Women's Bathroom Entrance / Beige Wall Paint	<0.03

Analysis Method: EPA 7000B Prep Method: EPA 3050B

RL (Reporting limit): 0.03% by weights (based upon 100 mg sampled)

HUD Guideline define lead based paint, when lead levels are equal or greater than 0.5% by weight.

NYS-ELAP# 11999, AIHA-LAP,LLC:208306, PH-0154

Analyst: GM

Approved by: Vandeni

Collection procedure, protocols and sample locations are based on information provided by the client submitting the samples; and as such, Atlas Environmental Labs disclaims any knowledge of and liability for the accuracy and completeness of this information. The results related only to the items tested. Lead results are not corrected for blank.

Page 1 of 1 L3 REV3, July 2019



Atlas Environmental Lab, Corp 255 W 36th Street Suite 1503 New York, NY 10018 Phone:(212) 563-0400 Fax:(718) 563-0401 www.atlasenvironmentallab.com

#### REPORT OF ANALYSIS FOR LEAD PAINT

Client: CHA Consulting, Inc; III Winners Circle, Albany, NY 12205 Report No: LP1219416 Collected by: Client **Date Sampled:** 12/16/2019 Project Name/No.: Bldg. 8A Renovations / #36038 **Date Received:** 12/17/2019 Harriman Campus, Albany, New York **Project Address: Date Analyzed: 12/18/2019** Work Area: Basement & Ground Floor **Report Date:** 12/18/2019

Client ID #	Lab ID #	Location/Description	Result (% Pb W/W)
LBP-121219-16	LP1219416-1	Basement: MER - North Corridor Between Bldg. 8 / 8A / Gray Floor Paint	<0.03
LBP-121219-17	LP1219416-2	Basement: MER North / Beige Wall Paint	<0.03
LBP-121219-18	LP1219416-3	Basement: MER North / Silver Paint on Pipe	<0.03
LBP-121219-19	LP1219416-4	Basement: MER North / Gray Floor Paint	<0.03
LBP-121219-20	LP1219416-5	Basement: MER South / Red Floor Paint	0.13
LBP-121219-21	LP1219416-6	Basement: Lobby / Beige Wall Paint	<0.03
LBP-121219-22	LP1219416-7	Ground Floor: Cafeteria / Red Floor Paint	0.04

Analysis Method: EPA 7000B Prep Method: EPA 3050B

RL (Reporting limit): 0.03% by weights (based upon 100 mg sampled)

HUD Guideline define lead based paint, when lead levels are equal or greater than 0.5% by weight.

NYS-ELAP# 11999, AIHA-LAP, LLC: 208306, PH-0154

Analyst: GM Approved by: Vindening

Collection procedure, protocols and sample locations are based on information provided by the client submitting the samples; and as such, Atlas Environmental Labs disclaims any knowledge of and liability for the accuracy and completeness of this information. The results related only to the items tested. Lead results are not corrected for blank.



## **APPENDIX F**

**PCB Sample Analytical Report** 



# **DATA FOR**GC SEMI-VOLATILES

**PROJECT NAME: STUDY TO REHAB BUILDING 8/8A** 

**CHA COMPANIES, INC.** 

**III Winners Circle** 

P.O. Box 5269

Albany, NY - 12205-0269

Phone No: 518-453-4500

**ORDER ID: K6358** 

**ATTENTION: John Roche** 







s.chaim@chemtech.net

	Date :	12/24/2019			
Dear John Roche,					
<b>9</b> soil samples for the <b>Study to Rehab Building 8/8A</b> project were received on <b>12/17/2019</b> . The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.					
The invoice for this workorder is also attached to the e-mail.					
Regards,					
Steven T Chaimowitz					

Q	·ΕΠ	NTE	H	
CHAIN	OF CUS	TODY F	RECORD	)

284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922

-8900 Fax: (908) 78-8922 Chemtech Project Number:

11		2	(-	4
K	10	1	5	1
	U			1

CHAIN OF CUS	TODY RECORD	www.	chem	tech.	net			coc	COC Number:								
	CLIENT INFORMATION	PRO	PROJECT INFORMATION				BILLING INFORMATION										
COMPANY: CHA C	onsulting, Inc.	PROJECT NAME	PROJECT NAME: Study to Rehab Building 8/8A				BILL TO: CHA Consulting, Inc PO#										
ADDRESS: III Winn	ers Circle	PROJECT #: 360	PROJECT #: 36038 LOCATION: Albany, NY A				ADDF	ESS:									
CITY Albany	STATE: NY ZIP: 122	05 PROJECT MANA	GER: J	ohn Ro	che			CITY:				(4)	ñ			STATI	E: ZIP:
ATTENTION:	John Roche	E-MAIL: JRoche@	€CHAC	ompani	es.com			ATTE	NOITN	:						PHON	E:
PHO! (518) 598-6689	FAX:	PHONE: (518) 59	8-6689		FAX:						AN	ALYS	SIS				
	DATA TURNAROUND INFORMATION	DATA DE	LIVER	ABI.	<b>INFOR</b>	MATION		1	1								
FAX: HARD COPY: EDD	HARD COPY:5DAYS*		RESEULTS ONLY  RESULTS + QC  New York State ASP "B"  REDUCED  New York State ASP "A"				80824.									·	
	ED BY CHEMTECH IAROUND TIME IS 10 BUSINESS DAYS	□ New Jersey	CLP		Other		-	1	2	3	4	5	6	7	8	9	
		☐ EDD Format_	T CAL	/PLE	T CAN	IPLE				Р	HESE	ERVA	IIVE	S			COMMENTS
,			(A)	PE_		CTION	S										< Specify Preservatives
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	COMP	GRAB	DATE	TIME	# of Bottles	1	2	3	4	5	6	7	8	9	A-HCI B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	PCB-121619-01: White Door Frame Caulk	Caule / 10/28/9 1950 X Basement - Generator Room (E-76)															
2.	PCB-121619-02: Red Fire Stop Sealant				10/28/19	2010				Basement - Elevator Lobby							
3.	PCB-121619-03: Gray Window (Door) Frame Caulk				11/4/19	1715				1st Floor - Payment Processing (Double Doors)							
4.	PCB-121619-04: Black Adhesive under Elevated Floor Stand				114/19	2030		1		1st Floor - Computer Room III							
5.	PCB-121619-05: Interior Window Glazing Compound				11/5/19	1810				3rd Fl	oor - (	Colum	n A5				
6.	PCB-121619-06: Gray Seam Caulk (bt Concrete & Transite Panels)				11/14/19					Exteri	or - Lo	pading	Dock	(			
7.	PCB-121619-07: Exterior Gray Window Glazing Compound (Brittle)				11/15/19	1240				Exteri	or - Ea	st Sid	e/Loa	ding [	Oock		
8.	PCB-121619-08: Exterior Gray Window Glazing Compound (Soft)				ulishe	1315				Exteri	or - W	est Si	de				
9.	PCB-121619-09: Exterior Black Window Glazing Compound				11/15/19	1405		V	, 25	Exteri	or - N	orth S	ide				
10.										- 4							
	SAMPLE CUSTODY MUST BE DOCUMENTED BE	LOW EACH TIM	IE SA	MPLI	ES CHAI	NGE PR	oss	SESS	ION	INCL	.UDI	NG C	OUR	RIER	DEL	VER	Y
1. RELINQUISHED BY	1600 1Z/16/19 1.	,	Coole	CALIAL	mon requir	es all addit	liona	1 402.	Jai IUI	Perce	III SOIII	4		TA		_	loe in Lemail w/
2. RELINQUISHED BY 3.	DATE/TIME RECEIVE	ED FOR LAB BY		age	\of		SHIP C	PED VI	A: CLII ECH:	ENT: 🗆	Hand Picked	Deliver d Up	red 🗆		ght		Shipment Complete YES INO
	WHITE - CHEMTECH COPYFOR R	RETURN TO CLIENT	Y	ELLOV	V - CHEMT	ECH COP	Y	PINE	- SAI	MPLE	R COF	PΥ					



PQ045894.D

**SURROGATES** 

877-09-8

2051-24-3

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Injection Volume:

Final Vol:

12/19/19 01:02

Test:

Matrix:

10/28/19

12/17/19

K6358

10000

PCB

**CAULKING** 

Decanted:

uL

PB125576

92%

49%

SPK: 20

SPK: 20

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-01

Lab Sample ID: K6358-01

Analytical Method: SW8082A

Sample Wt/Vol: 3.92 Units: g

Soil Aliquot Vol: иL

**Extraction Type:** 

1.0 PH: GPC Factor:

10

Tetrachloro-m-xylene

Decachlorobiphenyl

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/18/19 09:19

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 0.15 U 0.15 1.30 mg/Kg 11104-28-2 Aroclor-1221 0.51 U 0.51 1.30 mg/Kg 11141-16-5 Aroclor-1232 0.50 U 0.50 1.30 mg/Kg 53469-21-9 Aroclor-1242 0.45 U 0.45 1.30 mg/Kg 12672-29-6 Aroclor-1248 0.42 U 0.42 1.30 mg/Kg Aroclor-1254 0.49 IJ 11097-69-1 0.49 1.30 mg/Kg Aroclor-1262 U 37324-23-5 0.38 0.38 1.30 mg/Kg 11100-14-4 Aroclor-1268 0.33 U 0.33 1.30 mg/Kg U 11096-82-5 Aroclor-1260 0.35 0.35 1.30 mg/Kg

18.3

9.90

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

10 - 166

60 - 125

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

#### **Report of Analysis**

Client: CHA Companies, Inc. Date Collected: 10/28/19

Date Received:

SDG No.:

Project:

Study to Rehab Building 8/8A

12/17/19

Client Sample ID:

PCB-121619-02

K6358

Lab Sample ID:

K6358-02

Matrix: **CAULKING** 

Analytical Method:

SW8082A

Units:

% Moisture:

Decanted:

иL

Sample Wt/Vol:

4.38

Final Vol: g

10000

Soil Aliquot Vol:

Test: PCB

Extraction Type:

uL

GPC Factor:

1.0

PH:

Injection Volume:

File ID/Qc Batch:

Dilution:

Prep Date

Date Analyzed

Prep Batch ID

PO064819.D

12/18/19 09:19

12/20/19 12:11

PB125576

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.014	U	0.014	0.12	mg/Kg
11104-28-2	Aroclor-1221	0.046	U	0.046	0.12	mg/Kg
11141-16-5	Aroclor-1232	0.045	U	0.045	0.12	mg/Kg
53469-21-9	Aroclor-1242	0.040	U	0.040	0.12	mg/Kg
12672-29-6	Aroclor-1248	0.038	U	0.038	0.12	mg/Kg
11097-69-1	Aroclor-1254	0.38		0.044	0.12	mg/Kg
37324-23-5	Aroclor-1262	0.034	U	0.034	0.12	mg/Kg
11100-14-4	Aroclor-1268	0.029	U	0.029	0.12	mg/Kg
11096-82-5	Aroclor-1260	0.032	U	0.032	0.12	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		10 - 166	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.7		60 - 125	74%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

Matrix:

11/04/19

12/17/19

K6358

**CAULKING** 

иL

#### **Report of Analysis**

Client: CHA Companies, Inc.

The companies, me.

Project: Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-03

Lab Sample ID: K6358-03

Analytical Method: SW8082A % Moisture: 0 Decanted:

Sample Wt/Vol: 2.71 Units: g Final Vol: 10000

Soil Aliquot Vol: uL Test: PCB

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

PQ045896.D 10 12/18/19 09:19 12/19/19 01:34 PB125576

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.22	U	0.22	1.90	mg/Kg
11104-28-2	Aroclor-1221	0.74	U	0.74	1.90	mg/Kg
11141-16-5	Aroclor-1232	0.72	U	0.72	1.90	mg/Kg
53469-21-9	Aroclor-1242	0.65	U	0.65	1.90	mg/Kg
12672-29-6	Aroclor-1248	0.61	U	0.61	1.90	mg/Kg
11097-69-1	Aroclor-1254	6.60		0.71	1.90	mg/Kg
37324-23-5	Aroclor-1262	0.55	U	0.55	1.90	mg/Kg
11100-14-4	Aroclor-1268	0.47	U	0.47	1.90	mg/Kg
11096-82-5	Aroclor-1260	0.51	U	0.51	1.90	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.0		10 - 166	55%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		60 - 125	79%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

Matrix:

11/04/19

12/17/19

K6358

10000

PCB

**CAULKING** 

Decanted:

иL

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-04

Lab Sample ID: K6358-04

Analytical Method: SW8082A

Sample Wt/Vol: 1.83 Units: g

Soil Aliquot Vol: uL Test:

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

PQ045897.D 10 12/18/19 09:19 12/19/19 01:50 PB125576

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.33	U	0.33	2.80	mg/Kg
11104-28-2	Aroclor-1221	1.10	U	1.10	2.80	mg/Kg
11141-16-5	Aroclor-1232	1.10	U	1.10	2.80	mg/Kg
53469-21-9	Aroclor-1242	0.97	U	0.97	2.80	mg/Kg
12672-29-6	Aroclor-1248	0.90	U	0.90	2.80	mg/Kg
11097-69-1	Aroclor-1254	25.0		1.10	2.80	mg/Kg
37324-23-5	Aroclor-1262	0.82	U	0.82	2.80	mg/Kg
11100-14-4	Aroclor-1268	0.70	U	0.70	2.80	mg/Kg
11096-82-5	Aroclor-1260	0.76	U	0.76	2.80	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	30.0		10 - 166	150%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.7		60 - 125	119%	SPK: 20

#### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Injection Volume:

Final Vol:

Test:

Matrix:

11/05/19

12/17/19

**CAULKING** 

Decanted:

uL

K6358

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-05

Lab Sample ID: K6358-05

Analytical Method: SW8082A

Sample Wt/Vol: 4.5 Units: g

Soil Aliquot Vol: иL

10

**Extraction Type:** 

1.0 PH: GPC Factor:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID PQ045898.D 12/18/19 09:19 12/19/19 02:07 PB125576

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 0.13 U 0.13 1.10 mg/Kg 11104-28-2 Aroclor-1221 0.45 U 0.45 1.10 mg/Kg 11141-16-5 Aroclor-1232 0.43 U 0.43 1.10 mg/Kg 53469-21-9 Aroclor-1242 0.39 U 0.39 1.10 mg/Kg 12672-29-6 Aroclor-1248 0.37 U 0.37 1.10 mg/Kg Aroclor-1254  $\mathbf{E}$ 11097-69-1 1600 0.43 1.10 mg/Kg Aroclor-1262 U 37324-23-5 0.33 0.33 1.10 mg/Kg 11100-14-4 Aroclor-1268 0.28 U 0.28 1.10 mg/Kg 11096-82-5 Aroclor-1260 0.31 U 0.31 1.10 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 36.1 10 - 166 181% SPK: 20 30.4 60 - 125 2051-24-3 Decachlorobiphenyl 152% SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064820.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

12/20/19 12:27

Test:

Matrix:

11/05/19

12/17/19

**CAULKING** 

Decanted:

uL

PB125576

K6358

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-05DL

Lab Sample ID: K6358-05DL

Analytical Method: SW8082A

Sample Wt/Vol: 4.5 Units: g

Soil Aliquot Vol: иL

**Extraction Type:** Injection Volume:

1.0 PH: GPC Factor:

1000

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/18/19 09:19

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 13.0 UD 13.0 110 mg/Kg 11104-28-2 Aroclor-1221 45.0 UD 45.0 110 mg/Kg 11141-16-5 Aroclor-1232 43.0 UD 43.0 mg/Kg 110 53469-21-9 Aroclor-1242 39.0 UD 39.0 110 mg/Kg 12672-29-6 Aroclor-1248 37.0 UD 37.0 110 mg/Kg Aroclor-1254 4900 11097-69-1 ED 43.0 110 mg/Kg Aroclor-1262 UD 37324-23-5 33.0 33.0 110 mg/Kg 11100-14-4 Aroclor-1268 28.0 UD 28.0 110 mg/Kg 11096-82-5 Aroclor-1260 31.0 UD 31.0 110 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 0 10 - 166 0% SPK: 20 0 60 - 125 0% 2051-24-3 Decachlorobiphenyl SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

Test:

Matrix:

11/05/19

12/17/19

K6358

10000

**PCB** 

**CAULKING** 

Decanted:

uL

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-05DL2

Lab Sample ID: K6358-05DL2

Analytical Method: SW8082A

Sample Wt/Vol: 4.5 Units: g

Soil Aliquot Vol: uL

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

PO064824.D 4000 12/18/19 09:19 12/20/19 13:38 PB125576

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	53.0	UD	53.0	450	mg/Kg
11104-28-2	Aroclor-1221	180	UD	180	450	mg/Kg
11141-16-5	Aroclor-1232	170	UD	170	450	mg/Kg
53469-21-9	Aroclor-1242	160	UD	160	450	mg/Kg
12672-29-6	Aroclor-1248	150	UD	150	450	mg/Kg
11097-69-1	Aroclor-1254	4800	D	170	450	mg/Kg
37324-23-5	Aroclor-1262	130	UD	130	450	mg/Kg
11100-14-4	Aroclor-1268	110	UD	110	450	mg/Kg
11096-82-5	Aroclor-1260	120	UD	120	450	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

#### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

 $Q = indicates \ LCS \ control \ criteria \ did \ not \ meet \ requirements$ 

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PQ045899.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

12/19/19 02:23

Matrix:

11/14/19

12/17/19

**CAULKING** 

Decanted:

uL

PB125576

K6358

#### **Report of Analysis**

Client: CHA Companies, Inc.

Project: Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-06

Lab Sample ID: K6358-06

Analytical Method: SW8082A

Sample Wt/Vol: 5.85 Units: Final Vol: 10000 g

PCB Soil Aliquot Vol: иL Test:

**Extraction Type:** Injection Volume:

1.0 PH: GPC Factor:

10

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/18/19 09:19

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 0.10 U 0.10 0.87 mg/Kg 11104-28-2 Aroclor-1221 0.34 U 0.34 0.87 mg/Kg 11141-16-5 Aroclor-1232 0.33 U 0.33 0.87 mg/Kg 53469-21-9 Aroclor-1242 0.30 U 0.30 0.87 mg/Kg 12672-29-6 Aroclor-1248 0.28 U 0.28 mg/Kg 0.87 Aroclor-1254 11097-69-1 2.40 0.33 0.87 mg/Kg Aroclor-1262 U 37324-23-5 0.26 0.26 0.87 mg/Kg 11100-14-4 Aroclor-1268 0.22 U 0.22 0.87 mg/Kg U 11096-82-5 Aroclor-1260 0.24 0.24 0.87 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 24.6 10 - 166 123% SPK: 20 60 - 125 2051-24-3 Decachlorobiphenyl 22.1 111% SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Injection Volume:

Final Vol:

Test:

Matrix:

11/15/19

12/17/19

K6358

10000

PCB

**CAULKING** 

Decanted:

иL

### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-07

Lab Sample ID: K6358-07

Analytical Method: SW8082A

Sample Wt/Vol: 2.25 Units: g

Soil Aliquot Vol: uL

Extraction Type:

GPC Factor: 1.0 PH:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

PQ045900.D 10 12/18/19 09:19 12/19/19 02:39 PB125576

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.27	U	0.27	2.30	mg/Kg
11104-28-2	Aroclor-1221	0.90	U	0.90	2.30	mg/Kg
11141-16-5	Aroclor-1232	0.87	U	0.87	2.30	mg/Kg
53469-21-9	Aroclor-1242	0.79	U	0.79	2.30	mg/Kg
12672-29-6	Aroclor-1248	0.73	U	0.73	2.30	mg/Kg
11097-69-1	Aroclor-1254	830	E	0.86	2.30	mg/Kg
37324-23-5	Aroclor-1262	0.67	U	0.67	2.30	mg/Kg
11100-14-4	Aroclor-1268	0.57	U	0.57	2.30	mg/Kg
11096-82-5	Aroclor-1260	0.61	U	0.61	2.30	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.8		10 - 166	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	29.6	*	60 - 125	148%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064821.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Injection Volume:

Final Vol:

12/20/19 12:44

Test:

Matrix:

11/15/19

12/17/19

**CAULKING** 

Decanted:

uL

PB125576

K6358

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Project: Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-07DL

Lab Sample ID: K6358-07DL

Analytical Method: SW8082A

Sample Wt/Vol: 2.25 Units: g

Soil Aliquot Vol: иL

**Extraction Type:** 

500

PH: GPC Factor: 1.0

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/18/19 09:19

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 13.0 UD 13.0 110 mg/Kg 11104-28-2 Aroclor-1221 45.0 UD 45.0 110 mg/Kg 11141-16-5 Aroclor-1232 43.0 UD 43.0 mg/Kg 110 53469-21-9 Aroclor-1242 39.0 UD 39.0 110 mg/Kg 12672-29-6 Aroclor-1248 37.0 UD 37.0 110 mg/Kg Aroclor-1254 11097-69-1 1600 D 43.0 110 mg/Kg Aroclor-1262 UD 37324-23-5 33.0 33.0 110 mg/Kg 11100-14-4 Aroclor-1268 28.0 UD 28.0 110 mg/Kg 11096-82-5 Aroclor-1260 31.0 UD 31.0 110 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 0 10 - 166 0% SPK: 20 0 60 - 125 0% 2051-24-3 Decachlorobiphenyl SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PQ045901.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Injection Volume:

Final Vol:

12/19/19 02:56

Test:

Matrix:

11/15/19

12/17/19

**CAULKING** 

Decanted:

uL

PB125576

K6358

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-08

Lab Sample ID: K6358-08

Analytical Method: SW8082A

Sample Wt/Vol: 2.85 Units: g

Soil Aliquot Vol: иL

**Extraction Type:** 

10

PH: GPC Factor: 1.0

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/18/19 09:19

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 0.21 U 0.21 1.80 mg/Kg 11104-28-2 Aroclor-1221 0.71 U 0.71 1.80 mg/Kg 11141-16-5 Aroclor-1232 0.69 U 0.69 1.80 mg/Kg 53469-21-9 Aroclor-1242 0.62 U 0.62 1.80 mg/Kg 12672-29-6 Aroclor-1248 0.58 U 0.58 1.80 mg/Kg Aroclor-1254  $\mathbf{E}$ 11097-69-1 470 0.68 1.80 mg/Kg Aroclor-1262 U 37324-23-5 0.53 0.53 1.80 mg/Kg 11100-14-4 Aroclor-1268 0.45 U 0.45 1.80 mg/Kg U 11096-82-5 Aroclor-1260 0.49 0.49 1.80 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 12.6 10 - 166 63% SPK: 20 60 - 125 2051-24-3 Decachlorobiphenyl 10.0 50% SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064825.D

**CAS Number** 

11096-82-5

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

12/20/19 13:54

Matrix:

11/15/19

12/17/19

**CAULKING** 

Decanted:

uL

Units

mg/Kg

PB125576

72.0

K6358

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Project: Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-08DL

Lab Sample ID: K6358-08DL

Analytical Method: SW8082A

Sample Wt/Vol: 2.85 Units: g

Soil Aliquot Vol: иL Test:

**Extraction Type:** Injection Volume:

Conc.

19.0

PH: GPC Factor: 1.0

Parameter

Aroclor-1260

400

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/18/19 09:19

Qualifier MDL LOQ / CRQL **TARGETS** 12674-11-2 Aroclor-1016 8.40 UD 8.40 72.0 mg/Kg 11104-28-2 Aroclor-1221 28.0 UD 28.0 72.0 mg/Kg 11141-16-5 Aroclor-1232 27.0 UD 27.0 72.0 mg/Kg 53469-21-9 Aroclor-1242 UD 25.0 72.0 25.0 mg/Kg 12672-29-6 Aroclor-1248 23.0 UD 23.0 72.0 mg/Kg Aroclor-1254 11097-69-1 770 D 27.0 72.0 mg/Kg Aroclor-1262 UD 37324-23-5 21.0 21.0 72.0 mg/Kg 11100-14-4 Aroclor-1268 18.0 UD 18.0 72.0 mg/Kg

#### **SURROGATES** Tetrachloro-m-xylene 877-09-8 0 10 - 166 0% SPK: 20 0 60 - 125 0% 2051-24-3 Decachlorobiphenyl SPK: 20

19.0

UD

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

#### **Report of Analysis**

Client: CHA Companies, Inc. Date Collected: 11/15/19

Date Received:

SDG No.:

Matrix:

Project:

Study to Rehab Building 8/8A

Client Sample ID:

PCB-121619-09

Lab Sample ID:

K6358-09

Analytical Method:

SW8082A

2.61

Units:

g

% Moisture: Final Vol:

Injection Volume:

Decanted:

Sample Wt/Vol: Soil Aliquot Vol:

uL

Test:

PCB

**CAULKING** 

12/17/19

K6358

10000

иL

Extraction Type:

1.0

PH:

Prep Date

Date Analyzed

Prep Batch ID

PQ045902.D

File ID/Qc Batch:

GPC Factor:

10

Dilution:

12/18/19 09:19

12/19/19 03:12

PB125576

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.23	U	0.23	2.00	mg/Kg
11104-28-2	Aroclor-1221	0.77	U	0.77	2.00	mg/Kg
11141-16-5	Aroclor-1232	0.75	U	0.75	2.00	mg/Kg
53469-21-9	Aroclor-1242	0.68	U	0.68	2.00	mg/Kg
12672-29-6	Aroclor-1248	0.63	U	0.63	2.00	mg/Kg
11097-69-1	Aroclor-1254	89.0	E	0.74	2.00	mg/Kg
37324-23-5	Aroclor-1262	0.57	U	0.57	2.00	mg/Kg
11100-14-4	Aroclor-1268	0.49	U	0.49	2.00	mg/Kg
11096-82-5	Aroclor-1260	0.53	U	0.53	2.00	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	11.8		10 - 166	59%	SPK: 20
2051-24-3	Decachlorobiphenyl	11.6	*	60 - 125	58%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064822.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

12/20/19 13:00

Test:

Matrix:

11/15/19

12/17/19

**CAULKING** 

Decanted:

uL

PB125576

K6358

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121619-09DL

Lab Sample ID: K6358-09DL

Analytical Method: SW8082A

Sample Wt/Vol: 2.61 Units: g

Soil Aliquot Vol: иL

**Extraction Type:** Injection Volume:

PH: GPC Factor: 1.0

40

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/18/19 09:19

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 0.92 UD 0.92 7.80 mg/Kg 11104-28-2 Aroclor-1221 3.10 UD 3.10 7.80 mg/Kg 11141-16-5 Aroclor-1232 3.00 UD 3.00 7.80 mg/Kg 53469-21-9 Aroclor-1242 2.70 UD 2.70 7.80 mg/Kg 12672-29-6 Aroclor-1248 2.50 UD 2.50 7.80 mg/Kg Aroclor-1254 11097-69-1 110 D 3.00 7.80 mg/Kg Aroclor-1262 UD 37324-23-5 2.30 2.30 7.80 mg/Kg 11100-14-4 Aroclor-1268 2.00 UD 2.00 7.80 mg/Kg 11096-82-5 Aroclor-1260 2.10 UD 2.10 7.80 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 0 10 - 166 0% SPK: 20 0 60 - 125 0% 2051-24-3 Decachlorobiphenyl SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



# **DATA FOR**GC SEMI-VOLATILES

**PROJECT NAME: STUDY TO REHAB BUILDING 8/8A** 

**CHA COMPANIES, INC.** 

**III Winners Circle** 

P.O. Box 5269

Albany, NY - 12205-0269

Phone No: 518-453-4500

**ORDER ID: K6376** 

**ATTENTION: John Roche** 







Date: 12/27/2019

Dear John Roche,

**8** CAULKING samples for the **Study to Rehab Building 8/8A** project were received on **12/19/2019**. The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

Regards,

Steven T Chaimowitz

s.chaim@chemtech.net

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CHAIN	OF CUS	TODY	RECO	RD

284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net

Chemtech Project Number:

K6376

0	~~	Nu	200		22
	11	NII	ım	no	r

								COC Number:									
	PRO	OJECT	INF	ORMATIO	N				BILLING INFORMATION								
COMPANY: CHA Consulting, Inc.			Study to	Reha	b Building 8/	8A		BILL T	O: CH	CHA Consulting, Inc PO# 36038				36038			
ADDRESS: III Winn		PROJECT #: 3603			LOCATION:		Υ	ADDR	ESS:								
CITY Albany	STATE: NY ZIP: 12205	PROJECT MANAC	ER: Jo	hn Roc	he			CITY:				******	1176-21			STAT	E: ZIP:
ATTENTION:	John Roche	E-MAIL: JRoche@	CHACo	mpanie	s.com			ATTE	NTION	l:						PHON	IE:
PHO! (518) 598-6689	) FAX:	PHONE: (518) 598	-6689		FAX:						AN	ALYS	SIS				
	DATA TURNAROUND INFORMATION	DATA DE	LIVER	ABLE	INFORM	NOITAN		X	N								
		RESEULTS C RESULTS + C New Jersey REDUCED New Jersey C	QC		SEPA CLP ew York Stat ew York Stat ther			- 80KD	sg24) [∞]	3	4	5	6	7	8	9	
STANDARD TURN	IAROUND TIME IS 10 BUSINESS DAYS	☐ EDD Format_								PRESERVATIVES				S			COMMENTS
			SAM		SAMI								1.00				<- Specify
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	СОМР	GRAB	DATE	TIME	# of Bottles	1	2	3	4	5	6	7	8	9	Preservatives A-HCI B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	PCB-121719-01: White Caulk around Duct Wall Penetration	Caulk X 11/20/19 18:40					1	X		Basem	nent: <b>I</b>	MER -	North	(Nort	th Wa	II)	
2.	PCB-121719-02: Red Fire Stop Sealant	Caulk		X	11/20/19	19:10	1			Basement: MER - North (North Wall)							
3.	PCB-121719-03: Gray Window Glazing Compound	Caulk		Х	11/20/19	20:40	1			Ground Floor: Room 80 adjacent to Cafeteria							
4.	PCB-121719-04: Gray Window Glazing Compound	Caulk		Х	11/20/19	20:50	1			Ground Floor: Main Area (North Side)							
5.	PCB-121719-05: Gray Caulk under Window (Perimeter)	Caulk		Х	11/21/19	17:35	1		25.000.00	Exterio	or: We	est sid	e of E	uildin	g		
6.	PCB-121719-06: Black Window Glazing Compound	Caulk		Х	11/21/19	17:50	1			Exterior: West side of Building							
7:	PCB-121719-07; Gray Window Glazing Compound	Caulk		Х	11/21/19	18:25	1	1/		Exterior: West side of Building							
8.	PCB-121719-08: Gray Seam Caulk to Cementitious Panels	Caulk		Х	11/21/19	18:55	1	V		Exterior: Loading Dock (East)							
9.																	
10.																	
	SAMPLE CUSTODY MUST BE DOCUMENTED BEL	OW EACH TIN	IE SA	MPL	ES CHAN	IGE PR	oss	ESS	ION	NCLL	JDIN	G CC	DUR	ER E	ELIV	VERY	
RELINQUISHED BY SAMPLER  1.  RELINQUISHED BY  DATE/TIME RECEIVED BY  1.  DATE/TIME RECEIVED BY  12.  12.19.19.19			MeOH Comm	extrac	of bottles of tion requires Building 8A	s an additi	onal 4	4oz. Ja	r for p	ercent	solid						ler Temp_12i ce in Cooler?:_NO
RELINQUISHED BY			Р	age	of_ w - CHEMT	<u> </u>	SHIF	PPED V	IA: CL ECH:	IENT: 🗆	Hand Picked	Deliver d Up	red 🗆		ght		Shipment Complete  YES NO

If-Guntil



PO064914.D

**SURROGATES** 

877-09-8

2051-24-3

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

#### **Report of Analysis**

Client: CHA Companies, Inc. Date Collected: 11/20/19

Date Received:

12/24/19 12:43

12/19/19

Decanted:

PB125635

165%

112%

SPK: 20

SPK: 20

Project: Study to Rehab Building 8/8A

SDG No.: Client Sample ID: PCB-121719-01 K6376

Lab Sample ID: K6376-01 Matrix: **CAULKING** 

Analytical Method: SW8082A % Moisture:

Sample Wt/Vol: 4.98 Units: Final Vol: 10000 uL g

PCB Soil Aliquot Vol: иL Test:

**Extraction Type:** Injection Volume:

33.1

22.3

1.0 PH: GPC Factor:

Tetrachloro-m-xylene

Decachlorobiphenyl

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/20/19 08:30

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 0.012 U 0.012 0.10 mg/Kg 11104-28-2 Aroclor-1221 0.041 U 0.041 0.10 mg/Kg 11141-16-5 Aroclor-1232 0.039 U 0.039 0.10 mg/Kg 53469-21-9 Aroclor-1242 U 0.036 0.036 0.10 mg/Kg 12672-29-6 Aroclor-1248 0.033 U mg/Kg 0.033 0.10 Aroclor-1254  $\mathbf{E}$ 11097-69-1 140 0.039 0.10 mg/Kg Aroclor-1262 U 37324-23-5 0.030 0.0300.10 mg/Kg 11100-14-4 Aroclor-1268 0.026 U 0.026 0.10 mg/Kg 11096-82-5 Aroclor-1260 0.028 U 0.028 0.10 mg/Kg

Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

10 - 166

60 - 125

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064971.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

12/26/19 15:31

Matrix:

11/20/19

12/19/19

**CAULKING** 

Decanted:

uL

PB125635

K6376

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-01DL

Lab Sample ID: K6376-01DL

Analytical Method: SW8082A

Sample Wt/Vol: 4.98 Units: g

Soil Aliquot Vol: иL Test:

**Extraction Type:** Injection Volume:

PH: GPC Factor: 1.0

400

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/20/19 08:30

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 4.80 UD 4.80 41.0 mg/Kg 11104-28-2 Aroclor-1221 16.0 UD 16.0 41.0 mg/Kg 11141-16-5 Aroclor-1232 16.0 UD 16.0 41.0 mg/Kg 53469-21-9 Aroclor-1242 14.0 UD 41.0 14.0 mg/Kg 12672-29-6 Aroclor-1248 13.0 UD 13.0 41.0 mg/Kg Aroclor-1254 D 11097-69-1 320 16.0 41.0 mg/Kg Aroclor-1262 UD 37324-23-5 12.0 12.0 41.0 mg/Kg 11100-14-4 Aroclor-1268 10.0 UD 10.0 41.0 mg/Kg 11096-82-5 Aroclor-1260 11.0 UD 11.0 41.0 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 0 10 - 166 0% SPK: 20 0 60 - 125 0% 2051-24-3 Decachlorobiphenyl SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064916.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

12/24/19 13:16

Matrix:

11/20/19

12/19/19

**CAULKING** 

Decanted:

uL

PB125635

K6376

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-02

Lab Sample ID: K6376-02

Analytical Method: SW8082A

Sample Wt/Vol: 0.76 Units: g

Soil Aliquot Vol: иL Test:

**Extraction Type:** Injection Volume:

PH: GPC Factor: 1.0

10

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/20/19 08:30

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 0.79 U 0.79 6.70 mg/Kg 11104-28-2 Aroclor-1221 2.70 U 2.70 6.70 mg/Kg 11141-16-5 Aroclor-1232 2.60 U 2.60 6.70 mg/Kg 53469-21-9 Aroclor-1242 2.30 U 2.30 6.70 mg/Kg 12672-29-6 Aroclor-1248 2.20 U 2.20 mg/Kg 6.70 Aroclor-1254 11097-69-1 36.0 2.50 6.70 mg/Kg Aroclor-1262 U 37324-23-5 2.00 2.00 6.70 mg/Kg 11100-14-4 Aroclor-1268 1.70 U 1.70 6.70 mg/Kg 11096-82-5 Aroclor-1260 81.0 1.80 6.70 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 23.2 10 - 166 116% SPK: 20 41.7 60 - 125 2051-24-3 Decachlorobiphenyl 209% SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064915.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

12/24/19 13:00

Matrix:

11/20/19

12/19/19

K6376

10000

**CAULKING** 

Decanted:

иL

PB125635

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

PCB-121719-03 Client Sample ID:

Lab Sample ID: K6376-03

Analytical Method: SW8082A

Sample Wt/Vol: 1.47 Units: Final Vol:

Test: PCB Soil Aliquot Vol: uL

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

Prep Batch ID File ID/Qc Batch: Dilution: Prep Date Date Analyzed 12/20/19 08:30

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.041	U	0.041	0.35	mg/Kg
11104-28-2	Aroclor-1221	0.14	U	0.14	0.35	mg/Kg
11141-16-5	Aroclor-1232	0.13	U	0.13	0.35	mg/Kg
53469-21-9	Aroclor-1242	0.12	U	0.12	0.35	mg/Kg
12672-29-6	Aroclor-1248	0.11	U	0.11	0.35	mg/Kg
11097-69-1	Aroclor-1254	2.90		0.13	0.35	mg/Kg
37324-23-5	Aroclor-1262	0.10	U	0.10	0.35	mg/Kg
11100-14-4	Aroclor-1268	0.087	U	0.087	0.35	mg/Kg
11096-82-5	Aroclor-1260	3.40		0.094	0.35	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.8		10 - 166	134%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.5		60 - 125	123%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



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Date Collected:

Date Received:

SDG No.:

% Moisture:

Injection Volume:

Final Vol:

Test:

Matrix:

11/20/19

12/19/19

**CAULKING** 

Decanted:

uL

0%

0%

SPK: 20

SPK: 20

K6376

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-04

Lab Sample ID: K6376-04

Analytical Method: SW8082A

Sample Wt/Vol: 1.55 Units: g

Soil Aliquot Vol: uL

Tetrachloro-m-xylene

Decachlorobiphenyl

Extraction Type:

GPC Factor: 1.0 PH:

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 PO064917.D
 1000
 12/20/19 08:30
 12/24/19 13:33
 PB125635

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 39.0 U 39.0 330 mg/Kg 11104-28-2 Aroclor-1221 130 U 130 330 mg/Kg 11141-16-5 Aroclor-1232 130 U 330 mg/Kg 130 53469-21-9 Aroclor-1242 U 110 110 330 mg/Kg 12672-29-6 Aroclor-1248 110 U 110 330 mg/Kg Aroclor-1254 100000 Е 11097-69-1 120 330 mg/Kg Aroclor-1262 U 37324-23-5 97.0 97.0 330 mg/Kg 11100-14-4 Aroclor-1268 83.0 U 83.0 330 mg/Kg 11096-82-5 Aroclor-1260 89.0 U 89.0 330 mg/Kg **SURROGATES** 

0

0

#### Comments:

877-09-8

2051-24-3

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

10 - 166

60 - 125

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064919.D

**SURROGATES** 

877-09-8

2051-24-3

**CAS Number** 

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

12/24/19 14:08

Test:

Matrix:

11/20/19

12/19/19

**CAULKING** 

Decanted:

uL

Units

SPK: 20

SPK: 20

PB125635

0%

0%

K6376

10000

PCB

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-04DL

Lab Sample ID: K6376-04DL

Analytical Method: SW8082A

Sample Wt/Vol: 1.55 Units: g

Soil Aliquot Vol: иL

40000

Tetrachloro-m-xylene

Decachlorobiphenyl

**Extraction Type:** Injection Volume:

Conc.

0

0

PH: GPC Factor: 1.0

Parameter

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/20/19 08:30

Qualifier MDL LOQ / CRQL **TARGETS** 12674-11-2 Aroclor-1016 1600 UD 1600 13000 mg/Kg 11104-28-2 Aroclor-1221 5200 UD 5200 13000 mg/Kg 11141-16-5 Aroclor-1232 5000 UD 5000 13000 mg/Kg 53469-21-9 Aroclor-1242 4600 UD 4600 13000 mg/Kg 12672-29-6 Aroclor-1248 UD 4300 13000 mg/Kg 4300 Aroclor-1254 5000 11097-69-1 150000 D 13000 mg/Kg Aroclor-1262 UD 3900 37324-23-5 3900 13000 mg/Kg 11100-14-4 Aroclor-1268 3300 UD 3300 13000 mg/Kg 11096-82-5 Aroclor-1260 3600 UD 3600 13000 mg/Kg

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

10 - 166

60 - 125

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



### **Report of Analysis**

Client: CHA Companies, Inc.

HA Companies, Inc.

Date Collected:

Project: Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-05 SDG No.: K6376

Lab Sample ID: K6376-05 Matrix: CAULKING

Analytical Method: SW8082A % Moisture: 0 Decanted:

Sample Wt/Vol: 4.44 Units: g Final Vol: 10000 uL

Soil Aliquot Vol: uL Test: PCB

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

PO064920.D 1000 12/20/19 08:30 12/24/19 14:24 PB125635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	14.0	U	14.0	110	mg/Kg
11104-28-2	Aroclor-1221	45.0	U	45.0	110	mg/Kg
11141-16-5	Aroclor-1232	44.0	U	44.0	110	mg/Kg
53469-21-9	Aroclor-1242	40.0	U	40.0	110	mg/Kg
12672-29-6	Aroclor-1248	37.0	U	37.0	110	mg/Kg
11097-69-1	Aroclor-1254	60000	E	44.0	110	mg/Kg
37324-23-5	Aroclor-1262	34.0	U	34.0	110	mg/Kg
11100-14-4	Aroclor-1268	29.0	U	29.0	110	mg/Kg
11096-82-5	Aroclor-1260	31.0	U	31.0	110	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

11/21/19

12/19/19

Date Received:



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Date Collected:

Date Received:

SDG No.:

% Moisture:

Matrix:

11/21/19

12/19/19

K6376

**CAULKING** 

Decanted:

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-05DL

Lab Sample ID: K6376-05DL

Analytical Method: SW8082A

Sample Wt/Vol: 4.44 Units: g Final Vol: 10000 uL

Soil Aliquot Vol: uL Test: PCB

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

PO064921.D 40000 12/20/19 08:30 12/24/19 15:00 PB125635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	540	UD	540	4600	mg/Kg
11104-28-2	Aroclor-1221	1800	UD	1800	4600	mg/Kg
11141-16-5	Aroclor-1232	1800	UD	1800	4600	mg/Kg
53469-21-9	Aroclor-1242	1600	UD	1600	4600	mg/Kg
12672-29-6	Aroclor-1248	1500	UD	1500	4600	mg/Kg
11097-69-1	Aroclor-1254	68000	D	1700	4600	mg/Kg
37324-23-5	Aroclor-1262	1300	UD	1300	4600	mg/Kg
11100-14-4	Aroclor-1268	1200	UD	1200	4600	mg/Kg
11096-82-5	Aroclor-1260	1200	UD	1200	4600	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

#### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064922.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

12/24/19 15:17

Matrix:

11/21/19

12/19/19

**CAULKING** 

Decanted:

uL

PB125635

K6376

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-06

Lab Sample ID: K6376-06

Analytical Method: SW8082A

Final Vol: Sample Wt/Vol: 4.07 Units: 10000 g

PCB Soil Aliquot Vol: иL Test:

**Extraction Type:** Injection Volume:

PH: GPC Factor: 1.0

100

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/20/19 08:30

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 1.50 U 1.50 13.0 mg/Kg 11104-28-2 Aroclor-1221 5.00 U 5.00 13.0 mg/Kg 11141-16-5 Aroclor-1232 4.80 U 4.80 13.0 mg/Kg 53469-21-9 Aroclor-1242 4.30 U 4.30 13.0 mg/Kg 12672-29-6 Aroclor-1248 4.10 U 4.10 13.0 mg/Kg Aroclor-1254 390  $\mathbf{E}$ 11097-69-1 4.70 13.0 mg/Kg Aroclor-1262 U 37324-23-5 3.70 3.70 13.0 mg/Kg 11100-14-4 Aroclor-1268 3.10 U 3.10 13.0 mg/Kg 11096-82-5 Aroclor-1260 3.40 U 3.40 13.0 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 0 10 - 166 0% SPK: 20 0 60 - 125 0% 2051-24-3 Decachlorobiphenyl SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064923.D

284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

12/24/19 15:35

Test:

Matrix:

11/21/19

12/19/19

K6376

10000

PCB

**CAULKING** 

Decanted:

иL

PB125635

#### **Report of Analysis**

Client: CHA Companies, Inc.

Project: Study to Rehab Building 8/8A

PCB-121719-06DL Client Sample ID:

Lab Sample ID: K6376-06DL

Analytical Method: SW8082A

Sample Wt/Vol: 4.07 Units:

Soil Aliquot Vol: uL

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

200

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/20/19 08:30

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	3.00	UD	3.00	25.0	mg/Kg
11104-28-2	Aroclor-1221	9.90	UD	9.90	25.0	mg/Kg
11141-16-5	Aroclor-1232	9.60	UD	9.60	25.0	mg/Kg
53469-21-9	Aroclor-1242	8.70	UD	8.70	25.0	mg/Kg
12672-29-6	Aroclor-1248	8.10	UD	8.10	25.0	mg/Kg
11097-69-1	Aroclor-1254	390	D	9.50	25.0	mg/Kg
37324-23-5	Aroclor-1262	7.40	UD	7.40	25.0	mg/Kg
11100-14-4	Aroclor-1268	6.30	UD	6.30	25.0	mg/Kg
11096-82-5	Aroclor-1260	6.80	UD	6.80	25.0	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



Date Collected:

Date Received:

SDG No.:

% Moisture:

Injection Volume:

Final Vol:

Test:

Matrix:

11/21/19

12/19/19

K6376

10000

PCB

**CAULKING** 

Decanted:

иL

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-07

Lab Sample ID: K6376-07

Analytical Method: SW8082A

Sample Wt/Vol: 1.22 Units: g

Soil Aliquot Vol: uL

Extraction Type:

GPC Factor: 1.0 PH:

 File ID/Qc Batch:
 Dilution:
 Prep Date
 Date Analyzed
 Prep Batch ID

 PO064969.D
 1000
 12/20/19 08:30
 12/26/19 14:58
 PB125635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	49.0	U	49.0	420	mg/Kg
11104-28-2	Aroclor-1221	170	U	170	420	mg/Kg
11141-16-5	Aroclor-1232	160	U	160	420	mg/Kg
53469-21-9	Aroclor-1242	140	U	140	420	mg/Kg
12672-29-6	Aroclor-1248	140	U	140	420	mg/Kg
11097-69-1	Aroclor-1254	52000	E	160	420	mg/Kg
37324-23-5	Aroclor-1262	120	U	120	420	mg/Kg
11100-14-4	Aroclor-1268	100	U	100	420	mg/Kg
11096-82-5	Aroclor-1260	110	U	110	420	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

#### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates > 25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



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Date Collected:

Date Received:

SDG No.:

% Moisture:

Final Vol:

Matrix:

11/21/19

12/19/19

K6376

10000

PCB

**CAULKING** 

Decanted:

иL

#### **Report of Analysis**

Client: CHA Companies, Inc.

Project: Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-07DL

Lab Sample ID: K6376-07DL

Analytical Method: SW8082A

Sample Wt/Vol: 1.22 Units: g

Soil Aliquot Vol: uL Test:

Extraction Type: Injection Volume:

GPC Factor: 1.0 PH:

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

PO064970.D 40000 12/20/19 08:30 12/26/19 15:14 PB125635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	2000	UD	2000	17000	mg/Kg
11104-28-2	Aroclor-1221	6600	UD	6600	17000	mg/Kg
11141-16-5	Aroclor-1232	6400	UD	6400	17000	mg/Kg
53469-21-9	Aroclor-1242	5800	UD	5800	17000	mg/Kg
12672-29-6	Aroclor-1248	5400	UD	5400	17000	mg/Kg
11097-69-1	Aroclor-1254	360000	ED	6300	17000	mg/Kg
37324-23-5	Aroclor-1262	4900	UD	4900	17000	mg/Kg
11100-14-4	Aroclor-1268	4200	UD	4200	17000	mg/Kg
11096-82-5	Aroclor-1260	4500	UD	4500	17000	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	10 - 166	0%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	60 - 125	0%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



PO064972.D

Date Collected:

Date Received:

SDG No.:

% Moisture:

12/26/19 15:48

Matrix:

11/21/19

12/19/19

**CAULKING** 

Decanted:

uL

PB125635

K6376

#### **Report of Analysis**

Client: CHA Companies, Inc.

Study to Rehab Building 8/8A

Client Sample ID: PCB-121719-07DL2

Lab Sample ID: K6376-07DL2

Analytical Method: SW8082A

Final Vol: Sample Wt/Vol: 1.22 Units: 10000 g

PCB Soil Aliquot Vol: иL Test:

**Extraction Type:** Injection Volume:

PH: GPC Factor: 1.0

80000

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 12/20/19 08:30

**CAS Number** Parameter Conc. Qualifier MDL LOQ / CRQL Units **TARGETS** 12674-11-2 Aroclor-1016 3900 UD 3900 33000 mg/Kg 11104-28-2 Aroclor-1221 13000 UD 13000 33000 mg/Kg 11141-16-5 Aroclor-1232 13000 UD 13000 33000 mg/Kg 53469-21-9 Aroclor-1242 UD 12000 12000 33000 mg/Kg 12672-29-6 Aroclor-1248 11000 UD 11000 33000 mg/Kg Aroclor-1254 D 11097-69-1 370000 13000 33000 mg/Kg Aroclor-1262 UD 37324-23-5 9800 9800 33000 mg/Kg 11100-14-4 Aroclor-1268 8400 UD 8400 33000 mg/Kg 11096-82-5 Aroclor-1260 9100 UD 9100 33000 mg/Kg **SURROGATES** Tetrachloro-m-xylene 877-09-8 0 10 - 166 0% SPK: 20 0 60 - 125 0% 2051-24-3 Decachlorobiphenyl SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



Lab Sample ID:

Extraction Type:

#### **Report of Analysis**

Client: CHA Companies, Inc. Date Collected: 11/21/19

Date Received:

% Moisture:

Final Vol:

Project: Study to Rehab Building 8/8A

K6376-08

SDG No.: K6376

PCB-121719-08 Client Sample ID:

Matrix: **CAULKING** 

SW8082A Analytical Method:

Decanted: 10000 иL

12/19/19

Sample Wt/Vol: 3.3 Units: g

Test: PCB

Soil Aliquot Vol: uL

Injection Volume:

GPC Factor: 1.0

PH:

File ID/Qc Batch: Dilution: Prep Date

Date Analyzed

Prep Batch ID

2 PO064968.D 12/20/19 08:30 12/26/19 14:41 PB125635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.036	U	0.036	0.31	mg/Kg
11104-28-2	Aroclor-1221	0.12	U	0.12	0.31	mg/Kg
11141-16-5	Aroclor-1232	0.12	U	0.12	0.31	mg/Kg
53469-21-9	Aroclor-1242	0.11	U	0.11	0.31	mg/Kg
12672-29-6	Aroclor-1248	0.10	U	0.10	0.31	mg/Kg
11097-69-1	Aroclor-1254	2.60		0.12	0.31	mg/Kg
37324-23-5	Aroclor-1262	0.091	U	0.091	0.31	mg/Kg
11100-14-4	Aroclor-1268	0.078	U	0.078	0.31	mg/Kg
11096-82-5	Aroclor-1260	0.084	U	0.084	0.31	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	32.7		10 - 166	164%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 125	102%	SPK: 20

#### Comments:

U = Not Detected

LOO = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected

concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.



## **APPENDIX G**

**Personnel and Laboratory Certifications** 

#### 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

CHA Consulting, Inc.

III Winners Circle

Albany, NY 12205

FILE NUMBER: 11-60318 LICENSE NUMBER: 60318

LICENSE CLASS: RESTRICTED DATE OF ISSUE: 10/03/2019 EXPIRATION DATE: 10/31/2020

Duly Authorized Representative – Seth Fowler:

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)

# STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE





ROBERT G BURBANK CLASS(EXPIRES) C ATEC (08/25) D INSP (08/25) H PM (08/25)

> CERT# 24-61GTF-SHAB DMV# 900917558

MUST BE CARRIED ON ASBESTOS PROJECTS



STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE





JAMES-N MOREY CLASS(EXPIRES) D INSP (08/25) I PD (08/25)

> CERT# 24-61RAP-SHAB DMV# 589756376

MUST BE CARRIED ON ASBESTOS PROJECTS

COLUMN TELEMONOR OF COM

275%

STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE





THOMAS M BAILLY CLASS(EXPIRES) C ATEC(09/20) D INSP(09/20) H PM (09/20)

> CERT# 03-02690 DMV# 581894823

MUST BE CARRIED ON ASBESTOS PROJECTS

DERROCK DER MAN ERMOND DER MET

STATE OFFICE CAMPUS

ROOM 161A BUILDING 12

MISDOF - PEC DMIT

IF FOUND RETURN TO:

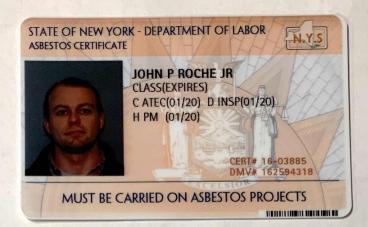
HGT 5 10"

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EXER CEM



01213 005129386 8



EYES BLU HAIR BRO HGT 5' 10" IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240



ANDREW M. CUOMO Governor HOWARD A. ZUCKER, M.D., J.D.

Commissioner

SALLY DRESLIN, M.S., R.N. Executive Deputy Commissioner

LAB ID: 11480

April 01, 2019

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

Certificate Expiration Date: April 01, 2020

Dear Mr. Mucha,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved.

If you have any questions, please contact ELAP at the New York State Department of Health (NYS DOH), Wadsworth Center, PO Box 509, Albany NY, 12201-0509; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Victoria Pretti

Director and QA Officer

**Environmental Laboratory Approval Program** 

# NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2020 Issued April 01, 2019

#### 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 in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER

All approved analytes are listed below:

Miscellaneous

Asbestos

EPA 100.2

Serial No.: 59673



# NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2020 Issued April 01, 2019

NY Lab Id No: 11480

#### 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

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.: 59674

# NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2020 Issued April 01, 2019

### 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 AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

#### Miscellaneous

Asbestos 40 CFR 763 APX A No. III

YAMATE, AGARWAL GIBB

NIOSH 7402

Fibers NIOSH 7400 A RULES

Serial No.: 59675



### AIHA Laboratory Accreditation Programs, LLC

acknowledges that

### Atlas Environmental Lab

255 W 36th Street, Suite 1503, New York, NY 10018

Laboratory ID: 208306

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

### LABORATORY ACCREDITATION PROGRAMS

- ✓ INDUSTRIAL HYGIENE
- ✓ ENVIRONMENTAL LEAD
- ✓ ENVIRONMENTAL MICROBIOLOGY
- ☐ FOOD
- ☐ UNIQUE SCOPES

Accreditation Expires: August 01, 2019

Accreditation Expires: August 01, 2019

Accreditation Expires: August 01, 2019

Accreditation Expires: Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (<a href="www.aihaaccreditedlabs.org">www.aihaaccreditedlabs.org</a>) for the most current Scope.

Un much

William Walsh, CIH Chairperson, Analytical Accreditation Board

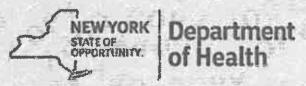
Revision 15: 03/30/2016

Cheryl O. Morton

Cheryl O. Morton

Managing Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 06/30/2017



ANDREW M. CUOMO Governor HOWARD A. ZUCKER, M.D., J.B. Commissioner SALLY DRESLIN, M.S., R.N. Executive Deputy Commissioner

LAB ID: 11376

April 01, 2019

MR. EMANUEL HEDVAT CHEMTECH 284 SHEFFIELD STREET MOUNTAINSIDE, NJ 07092

Certificate Expiration Date: April 01, 2020

Dear Mr. Hedvat,

Enclosed are certificate(s) of approval issued to your environmental laboratory for the current permit year. The certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the fields of accreditation (category - method - analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved.

If you have any questions, please contact ELAP at the New York State Department of Health (NYS DOH), Wadsworth Center, PO Box 509, Albany NY. 12201-0509, by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.ny.gov.

Sincerely,

Victoria Pretti

Director and QA Officer

**Environmental Laboratory Approval Program** 

# NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2020 Issued April 01, 2019

#### CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MR. EMANUEL HEDVAT CHEMTECH 284 SHEFFIELD STREET MOUNTAINSIDE, NJ 07092

NY Lab Id No: 11376

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

Minerals		Nutrients	
Bromide	EPA 9056A	Nitrite (as N)	EPA 9056A
Chloride	EPA 9056A	Orthophosphate (as P)	EPA 9056A
Fluoride, Total	EPA 9056A	Petroleum Hydrocarbons	
Sulfate (as SO4)	EPA 9056A	Diesel Range Organics	EPA 8015D
Miscellaneous		Gasoline Range Organics	EPA 8015D
Boron, Total	EPA 6010D	Oil and Grease Total Recoverable (HEM)	
Cyanide, Total	EPA 9012B	Phthalate Esters	ASS CHARLE
Organic Carbon, Total	Lloyd Kahn Method		ED4 0070D
	EPA 9060A	Benzyl butyl phthalate EPA 8270D	
Phenots	EPA 9065	Bis(2-ethylhexyl) phthalate	EPA 8270D
Sulfide (as S)	EPA 9031	Diethyl phthalate	EPA 8270D
	EPA 9034	Dimethyl phthalate	EPA 8270D
Nitroaromatics and Isophorone	410	Di-n-butyl phthalate Di-n-octyl phthalate	EPA 8270D EPA 8270D
2,4-Dinitrotoluene	EPA 8270D	Di-ri-octyl primalate	EPA 62/00
2.6-Dinitrotoluene	EPA 8270D	Polychlorinated Biphenyls	
Isophorone	EPA 8270D	Aroclor 1016 (PCB-1016)	EPA 8082A
Nitrobenzene		Aroclor 1221 (PCB-1221)	EPA 8082A
4-0-	EPA 8270D EPA 8270D	Aroclor 1232 (PCB-1232)	EPA 8082A
Pyridine		Aroclor 1242 (PCB-1242)	EPA 8082A
Nitrosoamines		Arocior 1248 (PCB-1248)	EPA 8082A
N-Nitrosodimethylamine	EPA 8270D	Aroclor 1254 (PCB-1254)	EPA 8082A
N-Nitrosodi-n-propylamine	EPA 8270D	Aroclor 1260 (PCB-1260)	EPA 8082A
N-Nitrosodiphenylamine	EPA 8270D	Arocior 1262 (PCB-1262)	EPA 8082A
Nutrients		Aroclor 1268 (PCB-1268)	EPA 8082A
Nitrate (as N)	EPA 9056A		
		The second secon	THE TANK THE

Serial No.: 59606

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.





### **APPENDIX H**

Building 8 – 8th Floor, 9th Floor and Roof Level Pre-Renovation Hazardous Materials Survey Report (AVAILABLE UPON REQUEST)



## APPENDIX I

Photo Log - Building 8 & 8A



Photo 1: Asbestos-Containing 12" x 12" Floor Tile – Basement (Room A-37)



Photo 2: Asbestos-Containing Black Sealant on Pipes – Basement (Main Steam Room)





Photo 3: Asbestos-Containing Plaster Insulation under Chicken Wire on Air Handler – 1st Floor (Air Conditioner – 171)



Photo 4: Asbestos-Containing Debris on Pipes/Floor – Ground – 7th Floor (Plumbing Chase in Women's Rest Room)





Photo 5: Asbestos-Containing Black Pipe End Cap Sealant – Ground - 7th Floor (Pipe Chase in Men's Rest Room)



Photo 6: Asbestos-Containing Off-White 12" x 12" Floor Tile with Black Mastic – 4th & 7th Floor (Entrance to Men's Rest Room)





Photo 7: Asbestos-Containing Tan 9" x 9" Floor Tile with Black Mastic (Dominant)

— Throughout Ground - 7th Floor





Photo 8 & 9: Asbestos-Containing Olive & Black 9" x 9" Floor Tile with Black Mastic – Throughout Ground Floor – 7th Floor





Photo 10: Asbestos-Containing Spray on Fireproofing on Structural Steel Beams and HVAC Ductwork above Ceiling Space –Ground – 7th Floor (Above Ceilings)





Photo 11 & 12: Asbestos-Containing Spray On Fireproofing Overspray/Debris inside Electrical Panel Boxes – Ground – 7th Floor (Electrical Closets)







Photo 13 & 14: Asbestos-Containing Spray On Fireproofing Overspray on Conduit, Walls and Structural Steel Beams – Ground Floor – 7th Floor (Electrical Closets)

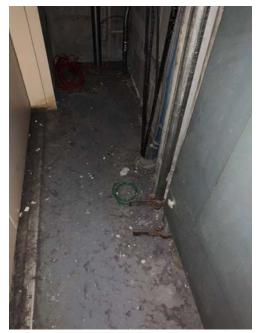




Photo 15 & 16: Asbestos-Containing Spray On Fireproofing Debris on Floor, Conduit and Walls – Ground Floor – 7th Floor (Electrical Closets)







Photo 17 & 18: Asbestos-Containing Spray on Fireproofing Debris in In-Floor Raceway Systems – Throughout Ground – 7th Floor





Photo 19 & 20: Asbestos-Containing Spray On Fireproofing Debris inside Perimeter Induction Unit Enclosure's – Ground – 7th Floor







Photo 21 & 22: Asbestos-Containing Window Glazing Compound – Exterior Windows





Photo 23 & 24: Asbestos-Containing Cementitious Board –Vestibule Ceiling and Soffits at Loading Dock (Exterior)





Photo 25: Asbestos-Containing Gray Duct Sealant –Basement (MER North & South)



Photo 26: Asbestos-Containing Gray Plaster Insulation on Air Handlers – Basement (MER North)





Photo 27: Asbestos-Containing Plaster Pipe End Cap Sealant – Basement (MER North)





Photo 28 & 29: Asbestos-Containing Job-Molded Plaster Pipe Fitting Insulation – Throughout Basement & Ground Floor





Photo 30: Asbestos-Containing Gray 9" x 9" Floor Tile and Black Mastic – Basement and Ground Floor



Photo 31: Asbestos-Containing Off-White 12" x 12" Floor Tile – Basement (Main Office Area with Cubicles & OGS Plant Utilities)





Photo 32: Asbestos-Containing Window Glazing Compound – Exterior Windows



Photo 33: Asbestos-Containing Cementitious Board – Exterior Soffits (Loading Dock)



