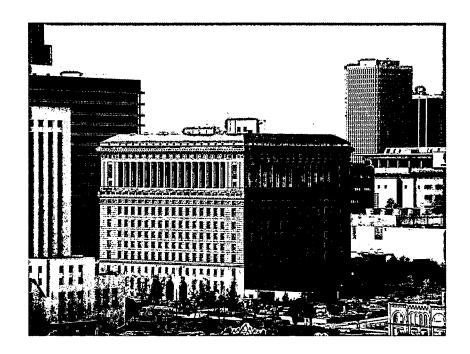
REPORT OF SURVEY FOR HAZARDOUS MATERIALS

HALL OF JUSTICE LOS ANGELES, CALIFORNIA



Prepared for:

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS ALHAMBRA, CALIFORNIA

April 20, 2005

MACTEC Project 4952-04-2862





April 20, 2005

County of Los Angeles Department of Public Works 900 South Fremont Street, 5th Floor Alhambra, California 91803-1331

Attention:

Subject:

Ms. Alicia Ramos

Hall of Justice

211 West Temple Street Los Angeles, California

MACTEC Project 4952-04-2862

Report of Survey for Hazardous Materials

DECEIVE D APR 25 2005

DEPT. PUBLIC WORKS
PROJECT MANAGEMENT DIVISION II

MACTEC Engineering and Consulting, Inc. (MACTEC), has completed a survey for hazardous materials that may be impacted by the renovation of the subject structure, located at 211 West Temple Street in Los Angeles, California. Our survey included visual observations, material sampling and laboratory analysis of selected materials. The work was performed based on the acceptance of MACTEC's "Hall of Justice Building, Rehabilitation and Adaptive Reuse Project, Hazardous Materials Consulting Services," (MACTEC Proposal 4952-04-9334) dated June 10, 2004. The work was authorized under Contract Number PW-12746, Work Authorization Number MCP-5 dated September 8, 2004. All work was conducted in accordance with the terms and conditions of Contract Number PW-12746; MACTEC's proposal and DPW's verbal instructions.

The attached report presents the descriptions and results of the material sampling procedures and analyses employed during this survey. Relevant general project information is provided, followed by our analysis and review of the removal of hazardous materials and regulated materials and an opinion of cost for the removal of the materials.

MACTEC appreciates the opportunity to be of service to the County of Los Angeles, Department of Public Works (DPW). After you have reviewed this report, we will be pleased to meet with you to discuss the next phase of the program. Please contact us should any questions arise regarding this report or if we may be of further service.

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by **MA** with permission

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(2 copies submitted)

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Prepared by

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Los Angeles, California

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1.0 INTRODUCTION

MACTEC Engineering and Consulting, Inc. (MACTEC), has completed a survey for hazardous materials that may be impacted by the renovation of the subject structure, located at 210 West Temple Street in Los Angeles, California. Our survey included visual observations, material sampling and laboratory analysis of selected materials. The work was performed based on the acceptance of MACTEC's "Hall of Justice Building, Rehabilitation and Adaptive Reuse Project, Hazardous Materials Consulting Services," (MACTEC Proposal 4952-04-9334) dated June 10, 2004.

2.0 PURPOSE

MACTEC understands that County of Los Angeles, Department of Public Works (DPW) is considering the feasibility of renovating the interior and reconstructing the historic Hall of Justice to meet seismic requirements. DPW is aware that hazardous materials are or could be present within the structure. The primary purpose of this work was to address the project requirements outlined by DPW in the Request for Proposal, dated June 7, 2004. The requirements are divided into two phases – the Demolition Design Phase and Demolition Phase. This report addresses the Demolition Design Phase with the exception of the preparation of specifications. Specifically this report addresses the following hazardous materials:

- Asbestos
- Lead-Containing Coatings and Materials
- Polychlorinated Biphenyls (PCBs)
- Mercury
- Bio-hazardous Waste
- Animal Feces and Dead Vermin
- Mold
- Refrigerants/CFCs/Freon
- Ammonia and Formaldehyde
- Exterior Subsurface and Barrel Soil Samples

In general this report presents the following:

- Descriptions of the field inspections, sampling, and laboratory testing to determine hazardous material presence and content contained in the building interior, exterior, and outlying building site area;
- 2. Analysis and review of previous investigation results, including narrative reports summarizing the resulting information;
- 3. Summary tables of hazardous materials, including approximate quantities of hazardous materials found and provides an opinion of cost for abatement of material; and
- 4. Drawings indicating locations of hazardous materials and photographs of typical hazardous materials.

3.0 BUILDING INFORMATION

The Hall of Justice is 14 stories in height exclusive of a basement level, an equipment storage penthouse at the roof level, and a distinctive mansard parapet that rises above the roof line. The total height of the building is approximately 195 feet, measured from grade to the top of the mansard roof parapet. The basement and first floor levels encompass approximately 42,500 square feet each, while the 2nd through 14th floors occupy approximately 35,000 square feet each. The gross floor area of the building is approximately 537,000 square feet.

The building is of steel-frame and concrete construction. The primary 14-story structure was constructed with riveted steel framing composed of beams and columns encased in unreinforced concrete. Around the perimeter of the building, the concrete encasement is enlarged and reinforced to form the exterior structural wall panels. In the basement, the perimeter exterior walls are 42 inches thick and also function as retaining walls. The penthouses at the roof, which enclose the elevator hoisting equipment, were constructed of concentrically braced steel frames encased in concrete. The roof parapet is composed of steel trusses which support the roofing tiles and enclose the prison exercise area.

Significant original material is still in place throughout the building interior. The majority of the interior partition walls are hollow clay tile finished with plaster. In corridors and public areas, the walls have marble wainscots and bases. Ceilings are typically composed of a metal grid system with metal lath and finished with plaster. In the main lobby and courtrooms, the ceilings are decorated with ornate plaster. Floors throughout the building consist of asbestos floor tiles, terrazzo in public areas and corridors, and concrete in the prison area. Floors have been covered with carpeting in many areas not publicly accessible.

Many of the spaces in the Hall of Justice were designed to serve a specific purpose. Portions of the 1st and 2nd floors were designed as primary public spaces. As such, they include large lobby areas and circulation corridors that provide access to the entire floor. The 3rd through 6th floors accommodated various offices, so the configuration is a simple layout of corridors connecting to office suites with a central elevator lobby. The 7th and 8th floors housed the courtrooms, requiring a configuration of

large spaces interspersed with smaller offices. Finally, the 10th through 14th floors were designed to serve as prison floors and consist of a series of regularly patterned cell blocks.

Construction of the structure was completed in 1926. The building was vacated in 1994 after being "red tagged" following seismic activity. When the Hall of Justice was vacated most of the furniture and equipment was removed from the building; however; a lot of paper goods, furniture, chemicals, equipment, and other items were left. Equipment not removed included unit air conditioners, refrigerators, computer monitors and computer central processing units (CPUs), and stationary equipment such as elevators, tanks, walk-in freezers, and sumps.

The Hall of Justice is connected by tunnels on the 1st floor and basement to the County Sheriff's building located across Temple Street and the county physical plant.

4.0 BACKGROUND INFORMATION

DPW provided MACTEC with drawings and various reports. DPW provided two sets of drawings: (1) the set of drawings used to assist in the response to the Request for Proposal (they appear to be nearly a full set of original design drawings) and (2) a file of AutoCAD drawings prepared by Nadel Architects Inc. dated June 30, 2003. The AutoCAD drawings were used as the base for documenting the locations of samples and various materials. The reports provided to MACTEC were:

- "Survey Report, Volume I, Hall of Justice, 211 West Temple Street, Los Angeles, CA" prepared by CTL Environmental Services, dated April 26, 1989.
- 2. "Phase I Environmental Site Assessment Report, 211 West Temple Street, Los Angeles, California" prepared for Hall of Justice Associates, Inc., prepared by Converse Consultants, dated March 24, 2003.
- 3. "Hazardous Materials Survey Report, Los Angeles County Hall of Justice Building, 211 West Temple Street, Los Angeles, California" prepared for Hall of Justice Associates, Inc., prepared by Citadel Environmental Services, Inc. dated May 12, 2003.
- 4. "Cultural Resources Technical Report, Proposed Renovation of Hall of Justice, Los Angeles, California" prepared for Impact Sciences, Inc, prepared by Historic Resources Group, LLC, dated February 2004.

The reports listed as No. 1 and 3 above were of particular use as they address the issues of interest for this report.

5.0 FACILITY SURVEY AND SAMPLING FOR HAZARDOUS MATERIALS

5.1 ASBESTOS

5.1.1 Background Information

MACTEC has assumed the validity of the previous work with respect to the presence of asbestos-containing materials in the structure. MACTEC's observations and limited confirmation sampling indicated that the previous findings presented in the Citadel and CTL Environmental reports were suitable as a basis for this survey. To that end, MACTEC input the data from the Citadel report into the database for this survey. The work by CTL Environmental appeared to be limited to identification of the pipe insulation and floor tile as asbestos-containing materials, much of which was repetitive and thus we did not include it in the database. The location of the samples for both reports were related to room numbers rather that column lines. Drawings are referenced in the Citadel report but were unavailable. The information from the Citadel report is presented in Table 5.1.

5.1.2 Investigation

MACTEC's survey of the facility included observation of interior floor, wall, and ceiling finishes. Mr. Scott Campbell, a Certified Site Surveillance Technician, and Mr. Don Harman, a California Certified Asbestos Consultant, surveyed the facility. In surveying the building prior to renovation, we used our training in identifying asbestos-containing materials, our familiarity with building construction, and our general experience to locate potential sources of asbestos-containing construction materials (ACCM). Although emphasis is on detecting friable materials, our survey included visual observations and sampling of suspect non-friable materials. During demolition, non-friable ACCM may be pulverized or otherwise damaged so as to release asbestos fibers into the air.

5.1.3 Bulk Sampling

The next phase of the asbestos survey was the selection of sampling areas and collection of bulk samples. Material sampling areas were grouped based on material homogeneity. A homogeneous area is one that contains material that by texture, color, and wear to be uniform and applied during the same general time period.

Once sampling areas were determined and recorded, representative samples of suspect ACCM were obtained. The sample locations are presented on the figures in Appendix A. Samples were labeled and appropriate chain-of-custody documentation completed. The samples were delivered to EMS Laboratories, in Pasadena, California for microscopic analysis.

Samples were collected from readily accessible, representative construction materials that are suspect ACCM. No attempt was made to disassemble mechanical equipment.

5.1.4 Analysis of Bulk Samples

A total of 75 material samples were delivered to EMS Laboratories for visual inspection and microscopic analyses. Analysis was performed in general accordance with the procedures outlined in the United States Environmental Protection Agency's (EPA) "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116, July 1993). This method employs polarized light microscopy (PLM) coupled with dispersion staining to identify the type and approximate quantity of asbestos present in the sample, if any.

In accordance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) Asbestos NESHAP Revision, Final Rule (40 CFR, Part 61, 11/20/90), for any sample which has been reported by visual area estimation to contain less than 10 percent asbestos, the owner or operator of the building from which the sample was obtained may (1) elect to assume the amount to be greater than 1 percent and treat the materials as asbestos-containing material or (2) require verification of the amount by point counting. If a result obtained by point counting is different from a result obtained by visual area estimation, the point counting result will be used.

EMS Laboratories is accredited under the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) and has been assigned the NIST/NVLAP Lab Code 101218. In addition, the laboratory is accredited under the State of California Environmental Laboratory Accreditation Program (ELAP) and has been assigned the ELAP Number 1119. The analytical results are presented in Table 5.2. The laboratory results are included as Appendix C.

The EPA considers a material to be asbestos-containing only if it contains more than one percent asbestos as determined by visual area estimation (NESHAP regulations - 40 CFR 61, Subpart M, dated November 20, 1990). The California Division of Occupational Safety and Health (Cal/OSHA) has defined asbestos-containing construction material (ACCM) as any manufactured construction material which contains more than one-tenth of one percent (0.1%) asbestos by weight. In general, MACTEC assumes materials which were determined to contain trace amounts of asbestos to contain asbestos in excess of 0.1 percent. However, none of these were encountered during our survey.

5.2 LEAD

5.2.1 Background Information

MACTEC has assumed the validity of the previous work by Citadel Environmental with respect to lead-containing materials in the structure. The work by CTL Environmental did not address lead. MACTEC's observations and limited confirmation sampling indicated that the previous findings presented in the Citadel report were suitable as a basis for this survey. Therefore, MACTEC input the data from the Citadel report into the database for this survey. The location of the samples was related to room numbers rather that column lines. Drawings are referenced in the Citadel report but were unavailable. The information from the Citadel report is not included in Table 5.3.

5.2.2 Investigation

Visual observation of the building's interior and exterior surfaces was performed. During the survey, surfaces suspected of being coated with lead-based paint (LBP) and ceramic tile glaze were observed and documented. MACTEC used a portable X-ray fluorescence (XRF) spectrum analyzer to identify lead-coated materials supplemented by bulk, paint-chip and ceramic tile sampling as necessary. The

XRF testing was performed by a subcontractor to MACTEC, Aurora Industrial Hygiene. The XRF and bulk sample data are reported in Appendix D. Additional suspect materials were noted and sampled if necessary. In particular, shielded cable, batteries and the building exterior were observed.

5.2.3 Bulk Sampling

Once sampling areas were determined and recorded, representative samples of suspect lead-based paint (LBP) or ceramic glazed tile were obtained. Sampling of paint was performed in general accordance with the U.S. Department of Housing and Urban Development (HUD) procedures for Paint Chip Sampling. Samples were collected from readily accessible, representative paint-coated surfaces and glazed ceramic tiles that were suspected to contain lead. The samples were labeled and appropriate chain-of-custody documentation completed. The samples were delivered to EMS Laboratories located in Pasadena, California for analysis. The laboratory is accredited by the American Industrial Hygiene Association (AIHA) and has been assigned the accreditation number 10963. The laboratory is also accredited by the American Association for Laboratories, accreditation number 0561-01.

As an aid in preparing the opinion of cost for removal of lead-coated materials, MACTEC obtained five samples of representative wall materials suitable for analysis to indicate the possible result of the waste stream characterization of the wall debris. Actual analysis of the waste stream will be required.

5.2.4 Analysis of Bulk Samples

Fifty-five samples were obtained and delivered to EMS to be analyzed for the presence of lead in general accordance with the procedures outlined in EPA methods 3050 and 7420 – Acid Digestion followed by Atomic Absorption Spectrometry (AAS) for lead in bulk samples identification. The analysis performed is consistent with the industry standard analytical requirements and identifies the quantity of lead present in the sample, if any. The HUD criterion for lead in bulk samples is 5,000 parts per million (ppm). The threshold established by the U.S. Consumer Product Safety Commission (CPSC) and Cal/OSHA is 600 ppm. In addition, Cal/OSHA's Lead in the Construction Industry standard (8 CCR 1532.1) applies to activities which have the potential to generate employee lead exposure in excess of the Permissible Exposure Limit (PEL), regardless of the lead content of the material(s) in question. The sample data are compiled in tabular form and are presented in Table 5.3. The analytical data is presented in Appendix E.

California has adopted hazardous waste requirements that are stricter than the Federal Resource Conservation and Recovery Act (RCRA) requirement for lead. To determine if the wastes generated during the renovation of lead-contaminated building materials are Federal hazardous wastes or California listed wastes, analytical testing must be conducted in accordance with Title 17 Section 6626.1. The five composite samples of construction debris were analyzed for Total Threshold Limit Concentration (TTLC) by USEPA reference method SW846 (Sample Nos. 01, 02, 03, 04, and 05). If the concentration is less than 50 milligrams per kilogram (mg/kg) then the material can be disposed of as construction debris. If the material contains greater than 50 mg/kg but less than 350 mg/kg of lead, additional testing must be conducted. If analytical results indicate that the lead concentration is greater than 350 mg/kg the material must be disposed as a California listed waste in a landfill certified to accept this waste, generally a Class I landfill. The material must be further analyzed by the Waste Extraction Test (WET) for Soluble Threshold Limit Concentration (STLC). If the concentration of lead in the extract exceeds, 5 milligrams per liter (mg/l) then the material must be treated as a California listed waste. If the material passes the STLC it will also pass the Federal test method for Toxicity Characteristic Leaching Procedure (TCLP) of 5.0 mg/l. If the waste fails the STLC it must be tested for TCLP to determine if it a Federal hazardous waste. If lead containing materials are to be disposed outside of California, it must be analyzed by TCLP to determine if it is a hazardous waste. Lead containing materials that fail TCLP must be managed and disposed as a Federal hazardous waste. The laboratory results are included in Appendix E.

5.3 POLYCHLORINATED BIPHENYLS (PCBS)

5.3.1 Background Information

The California Department of Toxic Substances Control (DTSC) has classified polychlorinated biphenyls (PCBs) as a hazardous waste when the concentrations are equal to or greater than 5 mg/l in liquids or when the total concentrations are equal to or greater than 50 mg/kg in non-liquids (Title 22, California Code of Regulations [CCR] 66261.24). The 5 mg/l and 50 mg/kg figures can also be expressed as 5 parts per million (ppm) and 50 ppm, respectively. When the total concentrations of PCBs are equal to or greater than 5,000 ppm in a waste, DTSC then regulates the waste as an Extremely Hazardous Waste (EHW) (Title 22, CCR, 66261.113). In the absence of liquids, electrical

equipment is PCB-contaminated if it has PCBs at >10 micrograms (μ g)/100 square centimeter (cm²⁾ and <100 μ g/100 cm² as measured by a standard wipe test (as defined in the Toxic Substance Control Act, subsection 761.123) of a non-porous surface.

Items such as fluorescent light ballasts with PCB capacitors are covered under California DTSC regulations. Further the transformers in the basement and switches in the elevator motor/generator room have cooling oil reservoirs associated with them. This oil is suspect. However, in an effort to obtain the air samples necessary to characterize the interior of the building prior to the debris removal, scheduled to take place prior to the abatement, the electrical system in the building was energized. Because of safety concerns the oil in these items can not be sampled at this time.

5.3.2 Investigation

MACTEC's subcontractor Environmental Control Industries (ECI) inventoried the number of fluorescent light fixtures. Typically, ballasts in fluorescent light fixtures are assumed to contain PCBs unless labeling indicating the absence of PCBs (e.g., "No PCBs") is observed. Based on our observations, the majority of the lamp ballasts are relatively old and suspected of containing PCBs. All lamp ballasts should be reviewed for labeling during renovation and unlabeled or PCB-labeled ballasts segregated for disposal. The number of ballasts per floor is indicated on Table 5.1.

During MACTEC's investigation oily spills were observed beneath the switches in the elevator motor/generator room (Sample No. SC 12-15-18). Additionally, two rooms were determined to have had fires in them at one time. The rooms were No. 534 at E-F/10 and No. 815 at K-L/10-11 (Sample Nos. SC 12-13-5 and SC 12-14-31). If fires are associated with a PCB source, the rooms might have a surface residue that contained PCBs. A square foot wipe sample was taken of these materials and submitted for analysis. The samples were labeled and appropriate chain-of-custody documentation completed. The sample was delivered to American Scientific Laboratories, LLC located in Los Angeles, California for analysis.

5.3.3 Analysis of Bulk Samples

The samples were analyzed by EPA Method 8082, Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The results were non-detect for all samples and types of PCBs. The analytical data is presented in Appendix F.

5.4 MERCURY

5.4.1 Background Information

Mercury is listed as a hazardous waste under Title 22, California Code of Regulations (CCR), Section 66261.126. Typically, light switches that contain mercury are characterized by their silent operation and when disassembled they typically have an indication of an up orientation. In California, the Cal-EPA Department of Toxic Substances Control (DTSC) generally regulates the management of spent fluorescent light tubes and mercury vapor lamps as hazardous waste. Spent tubes and lamps typically contain enough mercury to qualify as toxic hazardous waste under Title 22, CCR Section 66699 (b). Pending development and adoption of regulations specifically addressing the management of spent fluorescent light tubes and mercury vapor lamps, the Cal-EPA DTSC has adopted the following as a temporary policy: "A generator may dispose of as non-hazardous waste no more than 25 spent fluorescent light tubes and/or mercury vapor lamps, regardless of size, at any one time in one day". Generators requiring disposal of more the 25 lamps should have the mercury recycled before being disposed of in a Class I landfill.

5.4.2 Investigation

MACTEC inventoried light switches, thermostats and fluorescent light tubes for mercury. MACTEC operated about 1,450 light switches in the building. Three were determined to be mercury-containing based on the criteria provided above. All thermostats observed were assumed to contain mercury. No testing of these items was performed. ECI provided an inventory of the fluorescent light tubes. Table 5.1 presents the location of these three types of items.

MACTEC's subcontractor/consultant, LVI/TEG, indicated that a red flooring material observed in the penthouse may contain mercury (Sample No. SC 12-13-8). MACTEC sampled the material and submitted it for analysis.

5.4.3 Analysis of Bulk Samples

The sample was labeled and appropriate chain-of-custody documentation completed. The sample was delivered to EMS Laboratories located in Pasadena, California for analysis. The laboratory is accredited by the American Industrial Hygiene Association (AIHA) and has been assigned the accreditation number 101634. The sample was analyzed for the presence of mercury in general accordance with the procedures outlined in EPA methods 7471A for mercury in bulk samples. The results indicated that the sample was mercury containing at 30.5 micrograms per gram (μg/gm). Red flooring samples taken from other areas of the building were analyzed for asbestos and for mercury (Sample Nos. SC 12-13-6, SC 12-20-03, SC 12-15-07, SC 12-15-15, SC 12-14-21 and SC 12-14-44). All of these samples contained less than 2 μg/gm of mercury. The location of the mercury containing flooring is indicated on Table 5.1. The analytical data is presented in Appendix G.

5.5 BIO-HAZARDOUS WASTE

5.5.1 Background Information

Several bags of bio-hazardous waste were observed in Room 100 during MACTEC's first walk of the building.

5.5.2 Investigation

The building has been observed on numerous occasions during this work. Additional bio-hazards have not been identified (dead vermin and feces are discussed in a separate section). On the north side of the building inside the dedicated parking area is a bin with two red plastic garbage cans labeled as bio-hazard. These two cans appear to be empty. Samples were not taken of these materials.

5.6 PIGEON FECES AND DEAD VERMIN

5.6.1 Background Information

Spores of fungi are found in bird droppings. Systemic fungal diseases are caused by the fungi *Cryptococcus* and *Histoplasm* in the pigeon feces. Spores of these fungi are usually inhaled, causing pulmonary disease. While most cases are self limiting, these fungi can invade other tissues and cause life-threatening diseases. (ACGIH Workshop on Assessing Bioaerosols: Guidelines for the Assessment of Bioaerosols in the Indoor Environment; May 18 & 19, 1991) The Hantavirus is associated with inhalation of infectious, aerosolized saliva or excreta from rodents. This is also a disease of the pulmonary system. The occurrence of infection is typically in a rural setting and in North America the absolute risk of Hantavirus infection to the general public is low. (Morbidity and Mortality Weekly Report, July 26, 2002/ Vol. 51/ No. RR-9) The presence of the feces may present a biohazard in the form of diseases resulting in pulmonary illness in humans if disturbed and inhaled, as might be the case during renovation or demolition activities.

5.6.2 Investigation

The building has been observed on numerous occasions during this work. Significant accumulations of pigeon feces have been identified in the stairwells on the northeast and southwest corner of the building and on the north end of the 6th floor (Columns N/1-6) and in rooms on the east side of the 9th floor (Columns E-H/1-3). One significant accumulation of rodent feces was observed. It is located in a room on the north end of the 14th floor (N-P/5-7) where pasta was left when the prison was abandoned. Several dead rat carcasses are associated with spilled syrup on the floor outside this room. These areas are noted on the figures in Appendix A.

5.7 MOLD

5.7.1 Background Information

Regulatory exposure levels have not been established for exposure to airborne mold spores or biotoxins. Persons with compromised immune systems or who have a medical history of allergic response to mold should take precautionary measures.

5.7.2 Investigation

Analytical results presented in MACTEC's "Initial Testing and Inventory Results. Hall of Justice, 211 West Temple Street, Los Angeles, California" dated December 14, 2004 indicate that concentrations of mold in air at the time and location where the samples were taken do not pose a health risk for normal, healthy persons. MACTEC observed past evidence of water intrusion and possible mold growth in the following areas: basement at G/7.7 and I-J/12, 1st floor at O-P/4-5, 2nd floor at D/7-8 and 3rd floor at A-B/8 and E/11. However, MACTEC observed no active mold growth in the structure. Based on the lack of observed active growth and relatively low spore counts, the exposure to mold spores for those working in the building is not expected to pose a health risk to normal, healthy persons.

5.8 REFRIGERANTS/CFC'S/FREON

5.8.1 Background Information

MACTEC subcontractor ECI provided an inventory of window-type air conditioners, which could potentially contain CFCs. These chemicals are classified as Universal Waste and are regulated under CCR Title 22 Section 66273 and CFR 40 Section 273.

5.8.2 Investigation

Three-hundred ten window mounted air conditioning units will need to be removed. Other loose items, i.e., not associated with windows, of this category are scheduled to be removed during the debris removal phase.

5.9 AMMONIA AND FORMALDEHYDE

5.9.1 Background Information

Sheet 300 of the drawings provided to MACTEC indicates that an ammonia system was present in the basement at one time. While unlikely to still exist, high concentrations of ammonia are toxic. Sheet 2 of the drawing indicates that a morgue existed in the Broadway/ Temple Street corner of the

building. Our walk-throughs of the building indicate that the area no longer functions as a morgue, however, contamination of the floor and the drains with formaldehyde from the embalming process may still be present.

5.9.2 Investigation

A survey to determine if the system or parts of the ammonia remain was conducted. It appears that the system has been completely removed. Formaldehyde is very volatile and when exposed to the air the compound dissipates very quickly. MACTEC would only expect the compound to remain in confined areas such as drains or soil. A portion of the morgue has been converted to the tunnel on the 1st floor that runs to the sheriff's department across the street and the remainder is the former gym. The area where the morgue and in particular the enbalancing tanks appear on the plans to be over the basement and not a slab-on-grade. Observations of the areas beneath the morgue suggest the drains and associated plumbing have been removed and that no reasonable reservoir for formaldehyde appears to exist.

5.10 EXTERIOR SUBSURFACE SAMPLES AND OTHER SOIL SAMPLES

5.10.1 Background Information

MACTEC understands that the renovations will potentially include the city block surrounding the existing facility. Therefore, MACTEC performed tests of soils outside of the facility to determine if the soils are potentially a hazardous waste or require remediation. During this work MACTEC identified a well inside the dedicated parking area and barrels that contain what appeared to be cuttings from borings performed on the site. There are 7 barrels in the dedicated parking area and 10 barrels in the public parking on the northwest quadrant of the site. The Converse Environmental Phase I Environmental Site Assessment Report made no mention of the well and the presumed other borings. Furthermore, the Converse Environmental Report made no recommendation that monitoring wells be installed. However, a label on one of the barrels indicated that the work had been performed by Converse Environmental in Costa Mesa, California. Ms. Alicia Ramos with the DPW has been unable, to date, to secure information regarding the history associated with this work. The closure of this well is expected to be a part of the abatement work. It will require permits, drilling, testing and reporting. This work will be addressed at a later date.

5.10.2 Investigation

MACTEC obtained six bulk samples of the surrounding soil at a depth of 6 inches. The locations were selected to provide samples of soil surrounding all four sides of the facility. Locations of samples are presented in Appendix H. The samples were obtained using the following procedure (except for the sample taken in the dedicated parking area). A square nosed shovel was used to remove soil down to 5 inches below grade (in some cases a chisel was used to loosen the soil before it was removed with the shovel). At a depth of 5 inches the soil was loosened by a chisel which had been washed with tap water and wiped clean. The soil from 5 to 6 inches in depth was removed and disposed of. The chisel was cleaned again and an area of 3 by 5 inches and about 1½ inches deep was loosened with the chisel. This material was placed in a 4-ounce glass jar, labeled and a chain of custody prepared. New latex gloves were worn while collecting samples.

The barrels containing boring cuttings were numbered by MACTEC as barrels 1 through 17. Three composite samples were taken from the 10 barrels in the public parking area and two composite samples were taken from the seven barrels in the dedicated parking area. The barrel numbers for each composite were noted on the chain of custody included with the laboratory results.

5.10.3 Sample Analysis

The subsurface samples were analyzed in general accordance with the procedures outlined in EPA Methods 8015M for Total Petroleum Hydrocarbons as DRO and ORO and as gasoline and EPA Method 7471A. All of the results for EPA Method 8015M were non-detect. All of the metals, except arsenic, were less than the Preliminary Remediation Goal (PRG) for residential and industrial sites presented in the EPA Region 9 PRG table, dated October 2004. Typical background levels of arsenic in Los Angeles area native soils are 11.3 mg/kg (as measured by Department of Toxic Substance Control). The arsenic levels measured, while above the PRG levels are below the typical background levels in the Los Angels area and therefore should not require abatement or remediation. The laboratory results are present in Appendix I.

The composite samples from the barrels were analyzed in general accordance with the procedures outlined in EPA Methods 8015M for Total Petroleum Hydrocarbons as DRO and ORO, and EPA Method 8260B for Volatile Organic Compounds and EPA Method 7471A. All of the results for EPA

Method 8015M and 8260B were non-detect. All of the metals, except arsenic, were less than the Preliminary Remediation Goal (PRG) for residential and industrial sites presented in the EPA Region 9 PRG table, dated October 2004. The arsenic levels measured, while above the PRG levels are below the typical background levels in the Los Angels area and therefore should not require abatement or remediation. The laboratory results are present in Appendix I.

6.0 ANALYSIS AND REVIEW

The goal of the hazardous materials survey and the eventual abatement is to provide the DPW a building in a state where the next phase of renovation can proceed with a minimum of delays caused by the discovery of hazardous materials. The following hazardous materials will require abatement prior to renovation and are discussed in more detail in the paragraphs that follow:

- Asbestos
- Lead-Containing Coatings and Materials
- Polychlorinated Biphenyls (PCBs)
- Mercury
- Bio-hazardous Waste
- Animal Feces and Dead Vermin
- Mold
- Refrigerants/CFCs/Freon

The DPW has contracted to have paper, trash, chemicals, universal waste, barrels with soil in them (see the paragraph above on soil samples), items that contain refrigerants that are not mounted in windows, and furniture removed from the building. To that end the contractor will also remove the paint chips that have fallen to the floor in the hallways and the pigeon dropping on the north end of the 6th floor will be removed. MACTEC's report "Report of Initial Testing and Inventory Results, Hall of Justice, 211 West Temple Street, Los Angles, California" dated December14, 2004 addresses the performance of this work.

The ammonia and formaldehyde described above will not be part of the abatement effort as their presence was either not confirmed or found to be not an issue at this time.

The following discussion is based on MACTEC's experience with abatement projects and discussions with LVI/TE, an abatement contractor that MACTEC retained to provide assistance on methods and means for the abatement work and developing our opinions of cost.

While each contractor will have their own approach to the project, MACTEC is of the opinion the following sequence of work elements would accomplish the abatement in an efficient manner.

- Remove mercury and biohazards and PCB (except in electrical).
- 2. Clean up pigeon feces and rats.
- 3. Scrap lead based paint and clean up.
- Remove wainscoting and other finishes.
- Remove floor tile and nest.
- 6. Demolish walls and haul away (bail bars as well).
- Remove the remaining asbestos mainly TSI.
- 8. Remove window units (from outside or inside).
- 9. Treat windows.
- 10. Remove ballasts and PCB fluids if necessary.

The removal of the wainscoting and other finishes would be performed by others at a time when the buildings are still essentially in tack but sufficiently aborted so as to present the minimum risk to the personnel performing the removal of the finishes and not at a point when significant damage to the finishes may have occurred due to wholesale abatement.

The major items for abatement in the structure are the lead-based paint, the asbestos-containing floor tiles and associated mastic, and thermal system insulation. Tables 5.1 and 5.2 provide a list of other asbestos-containing materials identified in the building. The asbestos-containing materials are scattered throughout the structure to the extent that nearly every space has asbestos materials identified. The pipes will remain in the structure if they are uninsulated. Lead-based paint on the walls, ceilings, ceramic tile glaze, bars and windows is also ubiquitous based on the results of the XRF surveys. Tables 5.1 and 5.3 provide a list of the lead-containing materials in the building. The selective abatement of asbestos and lead would most likely be a very time consuming and tedious process for the abatement contractor and consequently expensive. The final disposition of the windows with respect to lead-based paint is unclear at this time. MACTEC has assumed that they will be either scraped to remove loose paint or they will be stripped in-place. Either alternative would be accomplished from an exterior scaffold separate from the interior work.

Based on our discussions with LVI/TEG and our experience, MACTEC is of the opinion that most abatement contractors would assume that all painted surfaces have lead-based paint or glaze and would demolish the walls and ceilings throughout and then remove the ACM. However, prior to this work the loose and pealing paint will most likely be removed and disposed of as a hazardous material. Most paint chips fail the hazardous materials classification test. The samples obtained and analyzed by MACTEC indicate that the debris from the walls and ceiling would not be classified as a hazardous waste. All painted and tiled surfaces in the structure will be removed. This will typically include the demolition of the walls and ceilings. Further discussions will be required to determine the sequencing and final disposition of the walls that have marble wainscoting attached. The bars with their painted surfaces in the jail should be removed and recycled. We assume that during the demolition/abatement process the light fixtures currently in place would most likely remain to provide lighting for the work.

The removal of the ballasts should be accomplished after the need for lighting had decreased (i.e., after the lead and asbestos abatement). The building will be without lighting at the conclusion of the abatement. Table 5.1 provides an inventory of the number of ballasts. If the oils in the transformers and elevator switches are determined to contain PCBs, then that removal should take place prior to the abatement to avoid possible spills. Testing of the oil in the electrical system reservoirs still needs to be performed.

The mercury present in the building will need to be removed prior to the major demolition/abatement because the relatively small quantities would be lost in the rubble. Table 5.1 provides an inventory of the mercury-containing items.

The bio-hazardous materials present in the building and the dedicated parking lot will need to be removed prior to the major demolition/abatement because the relatively small quantities would be lost in the rubble. Table 5.1 provides an inventory of the bio-hazardous items in the building.

The pigeon feces and dead vermin can be removed at anytime. The installation of any scaffolding, hoist or elevator may impact the timing of this work. These materials are classified as construction debris. Table 5.1 and the figures in Appendix A provide an inventory and location, respectively, of the bio-hazardous items in the building.

The mold observed in the building will be removed at the same time the walls and ceiling are demolished/abated. The location of the mold is listed in Section 5.7 of this report.

The removal of the window-type air conditioners will be dependent to a large degree on the timing of the window frame abatement. MACTEC expects the air conditioners would be removed prior to the work on the windows. The removal of the units should include the covering of the void with a durable water tight closure of the window. Recycling of the refrigerants in the units will be required.

7.0 OPINION OF COST

MACTEC has developed an opinion of cost for the removal of the identified hazardous materials from the site. With respect to this opinion, it is necessary to understand that abatement costs tend to be dependent on unpredictable variables such as seasonal workload, previous contractor commitments, location of the material in the facility, and availability of insurance and bonding. Actual bid responses may be less or could be significantly greater than the opinion of cost presented. In view of these limitations, this opinion of cost should be considered only as an order-of-magnitude figure for budgeting purposes. We have used the following assumptions in developing our opinion of cost:

- 1. All identified materials will be removed. Selective removal is not addressed.
- 2. All abatement work will be performed by a single contractor under a single contract.
- 3. Scheduling will allow the contractor to work continuously, without significant delay.
- 4. Reasonable project dúration will be allowed.
- 5. Fees for outside consultants (observation, design, etc.) are not included.
- 6. Opinion of cost reflects current 2005 prices.
- 7. Competitive bidding will be utilized.
- 8. The project will be executed according to current Federal, State and local regulations.

Tables 7.1 and 7.2 present MACTEC's preliminary engineering opinions of cost for the removal of materials that have been identified at the site.

These opinions of cost are based on MACTEC's experience and abatement contractor pricing obtained by MACTEC for this and similar projects in the Los Angeles area. The total reflects our opinion of cost for budgeting purposes only. Competitive bidding may change this figure by as much as 25 to 30 percent.

8.0 QUALIFICATIONS OF THE REPORT

MACTEC endeavored to observe the existing conditions at the building using generally accepted procedures. Regardless of the thoroughness of this type of survey, there is always a possibility some areas with the hazardous materials considered for this survey were overlooked or were inaccessible, or are different from those at specific sample locations. Therefore, conditions at every location may not be as anticipated by our field representative. In addition, demolition may uncover altered or differing conditions.

This report is intended for the use of the DPW. The contents should not be relied upon by any other party without the express written consent of MACTEC Engineering and Consulting, Inc. The findings are relevant to the dates of our site work and the scope of included services, and should not be relied on to represent conditions at substantially later dates.

TABLES

TABLE 5.1 SUMMARY OF MATERIALS, LOCATION AND QUANTITIES HALL OF JUSTICE LOS ANGELES, CALIFORNIA

FLOOR				MΔ	TERIAL		<u>.</u>							-			· · · · · · · · · · · · · · · · · · ·	<u>.</u>	·					—
					ASBES	TOS					Mercury	,	Feces		Lead, Mis	С.			ed Coating		PCBs		Bio Haz Wa	aste
	Floor Tile and M		Duct Insulation	1	Pipe Insul	1	Ceiling Plaste		Miscellaneou			·	 	Т		· · · · · · ·	Ceramic Tile	Quantity	Paint	1	Ballasts			
Basement	Comments Two types of floor tile and mastic	Quantity 884 sf	Comments	Quantity	Comments Up 3" dia, 3 1/2 to 6" dia., and 7 to 12" dia.	Quantity 1664 if, 2846 if, and 135 if	Comments	Quantity	Asbestos bags below stairs at K-K5/9-10.3 and tanks at F-H/2		Comments Light tubes (nominal 4ft)	Quantity 582	Comments	Quantity	Comments	Quantity	Comments	VS.	Areas with peeling paint on floor	Quantity <10%	Comments	Quantity 291	Comments	Quantity
1	Five types of floor tile and mastic	16693 sf			Steam risers per drawings and condensate are insulated as well, @P7.5-8, @ H/7, G-H/8, hot water from drawings	1 1170 If, 20 If, 60 If, 30 If, and 670 If resp.					Light tubes (nominal 4ft)	643	Pigeon at P/3-4	30 sq ft	Sample at box on SW had the lead		Restrooms at G-J/8-10.3 and A-B/7		Peeling paint to be removed from walt and ceiling	50%		313	Red bags in Rm in 100 at H/7	3
2	Three types of floor tile and mastic	12626 sf			Steam risers per drawings, women's & men's restroom (I-J/B and E/9-10), hot water from drawings	765 lf, 50 lf and 192 lf, resp.					Light switch at O-P/10.3- 11, Light tubes (nominal 4ft)	1each, 1197	Pigeon at P/3-4 and human scattered throughout		Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3 and lead on stained glass frame al G/6		Restrooms at I-J/8-10.3, E-F/9-10.3 and E.5-H/1-2	1390	Peeling paint to be removed from wall and ceiling	25%		599		
3	Three types of floor tile and mastic	24286 sf	Mechanical room on this floor, unknown duct insulation		Steam risers per drawings, Mechanical room 309 J-L/1-2, and hot water drum drawings	720 lf, 300 lf, 15 lf and 257 lf, resp					Thermostats throughout the floor, Light tubes (nominal 4ft)	29 each, 2194	Pigeon at A/9-10 and P/3		M/11and Lead-shielded cable at A/9-10, P/3-4, B- C/2-3 and N-O/10.3	linear ft of shield	Restrooms I-J/B-10.3, G- H/B-9. A-C/3-4.		Peeling paint to be removed from wall and ceiling	<10%		1736		
4	Six types of floor tile and mastic and one area of yellow carpet mastic and black mastic	21739 sf	Mechanical room on this floor, unknown duct insulation		Steam risers per drawings, Mechanical Room 424 with HVAC, Room 398 G/6, hot water from drawings	649 lf, 85 lf and 421 lf, resp.					Thermostat at M/10, Light tubes (nominal 4ft)	1 each, 1298	Pigeon at A/9-10 and P/3		Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3		Restrooms at I-J/8-10.3, G-H/8-10.3, A-B/4-5 and N-O/3-5		Peeling paint to be removed from wall and ceiling	<10%		649		
5	Five types of floor tile and mastic	16603 sf			Steam risers per drawings and hot water from drawings	539 If and 311 If					Thermostat at C/8, B/11, L/10 and N/10, Light tubes (nominal 4ft)	5 each, 1046	Pigeon at A/9-10 and P/3 4 and Room 26 B	30 sq ft & 30 sq ft	Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3	ł	Restrooms at I-J/8-10.3, G-H/8-10.3 C/7, C/4, and O/3-4		Peeling paint to be removed from wall and ceiling	50%	·	532		
6	Five types of floor tile and mastic	10326 sf	Mechanical room on this floor, unknown duct insulation		Steam risers per drawings, @ M-N/6-7, hot water pipe	550 lf, 40 lf and 2	Room 687 @l/10, Room 600 @ H/9-10.3	288 sf and 192 sf			Thermostat at D/11,B/11, H/3 and E-F/3, Light tubes (nominal 4ft)	4 each, 802	Pigeon at A/9-10, P/3-4, and L-P/3-10	30 sq ft &	Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3		Restrooms at I-J/8-10.3, G-H/8-10.3 and L/3-4	1250	Peeling paint to be removed from wall and ceiling	50%		401		
	Four types of floor tile and mastic, one area with just mastic, one area with yellow carpet mastic and black mastic and two areas with				Steam risers per				Fire damaged TSI at the		Light switches at B/6,	2 switches.	Pigeon at A/9-10 and P/3	30 sa ft &	Lead-shielded cable at A/9-10, P/3-4, B-C/2-3		Restrooms at I-J/8-9, G-I-J/8-9, O/4-5, A/2, G/2,		Peeling paint to be removed from wall and					
7	multiple layer systems	9959 sf			drawings	780 If and 325 If			center main corridor		Light tubes (nominal 4ft)	934	4	30 sq ft	and N-O/10.3		P/11, F/11, A/11 and B/6	1380	ceiling	25%		472		
8	Five types of floor tile and mastic	5193 sf	Mech Rm 820	10 lf	Steam risers per drawings hot water from drawings	615 If and 156 If					Light tubes (nominal 4ft)	852	Pigeon at A/9-10 and P/3		Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3		Restrooms at I-J/8-9, G- H/8-9, K/10.3-11, F/11, B/11, B/2, E-H/1-2, O/2, O/8 and O/11	1990	Peeling paint to be removed from wall and ceiling	100%		426		
9	Three types of floor tile and mastic	1132 sf			Steam risers per drawings, hot water from drawings	550 If and 646 If					Light tubes (nominal 4ft)	284	Pigeon at E.5-H/1-3, A/9- 10, and P/3-4	30 sq ft &	Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3		Restrooms at I-J/8-9, G-H/8-9, J-K/10.3-1, B/11, F-G/2, O/2, N-O/9 and O/10.3-11	1410	Peeling paint to be removed from wall and ceiling (note reduced area due to 2 story courtrooms on 8th floor)	100%	-	142		
10	Three types of floor tile and mastic	2190 sf	Located in the cell pipe chase	180 If	In cell pipe chase and steam risers per drawing	50 If (chase) and 513 If (risers)			Elevator brake pads	6	Light tubes (nominal 4ft)	400	Pigeon at A/9-11 and O.8/2-4	60 sf and 60 sf			Glaze on the bricks throughout	490	Peeling paint to be removed from walt and ceiling	<10%		200		
11	No floor tile and mastic		Located in the cell pipe chase	470 lf	In cell pipe chase and steam risers per drawing	40 If (chase) and 551 If (risers)					Light tubes (nominal 4ft)	400	Pigeon A/11-12 and P/1.2-2.2	30 sf and 30 sf			Glaze on the bricks throughout	750	Peeling paint to be removed from wall and ceiling	100%		200		
12	Two types of floor tile and mastic	2740 sf	Located in the cell pipe chase	170 lf	In cell pipe chase and steam risers per drawing	70 If & 13 elbows (chase) 551 If (risers)					Light tubes (nominal 4ft)	400	Pigeon A/11-12 and P/1.2-2.2	30 sf and 30 sf			Glaze on the bricks throughout	750	Peeling paint to be removed from wall and ceiling	100%		200		1.
13	Two types of floor tile and mastic	2060 sf	Located in the cell pipe chase	210 lf	In cell pipe chase and steam risers per drawing	100 If & 5 elbows & 10 sf converter (chase) 551 if (risers)					Light tubes (nominal 4ft)	344	Pigeon A/11-12 and P/1.2-2.2	30 sf and 30 sf			Glaze on the bricks throughout	750	Peeling paint to be removed from wall and ceiling	100%		172		
14	Three types of floor tile and mastic	5984 sf	Between slab for penthouse and ceiling of 14th floor remove entire ceiling to access ducts and pipes above and located in the cell pipe chase		Between slab for penthouse and celling of 14th floor remove entire celling to access ducts and pipes above.	17 If (chase), 3175 If (risers) and 3,100 If	Between slab for penthouse and ceiling of 14th floor remove entire ceiling to access ducts and pipes above.	i	Apparent abatement effort in ceiling at F-K/1-4 and fire damage in the ceiling at K-L.5/1.2-2		Light tubes (nominal 4ft)	694	Pigeon at 0.9/1.5 and A.5/11.8; rat mixed with pasta at N.8-P/5-6	80 sq ft & 595 sq ft, resp.			Glaze on the bricks throughout	1550	Peeling paint to be removed from wall and ceiling	0%		214	Dead rats at N-O/5.5-6.	5 5
Penthouse			Between slab for penthouse and ceiling of 14th floor remove entire ceiling to access ducts and pipes above and a mechanical room		14th floor stairwell to penthouse at G/8	48 lf	Between slab for penthouse and ceiling of 14th floor remove entire ceiling to access ducts and pipes above.		Brake pads on elevators and entire roof, field and penetrations, are ACM	3	Red flooring at A.2-G/1.2- 4, Light tubes (nominal 4ft)	3400sq ft,		ı 16 sq ft	Backup batteries at B.8/4 5	8 batteries	Showers	1880	Peeling paint to be removed from walt and ceiling	0%		164		

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

Sample#	Material Description	Primary Description			数据的100mm,100mm。		
145	Roofing Adhesive		Secondary Description Asphaltic	Material Type	Sample in Container	General Location 15th Floor, West Overhand	% Asbestos
					·	13th 1001, west Overhang	ואט
147	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	15th Floor, Upper Mech Room	50%
140	Duct Vibration Isolation				HVAC Vibration Damper Gray	ကတာ ဂေဘာဂဏာကိုလေးတွေရ ဆော်ဂနည်တော်မြေမှု လ စပင်မော်မှာသည်မှာ လည်း ညို သ ရှိ ရှိ	egi Talini Termini sirenega inasi. Bilani Bilani
146	Cloth	Gray	HVAC	Misc.	Canvas	15th Floor, Upper Mech Room	:ND
50122001	Floor Cooking	·	: *			15th Floor, perlmeter wall	grani da la la la la distanción de secuención de la
SC122001 DH121404	Floor Coating	Black	Asphaltic	Floor Materials	Flooring material, black		ND
	Insulating Material	Brown	Need Attribute	Misc.	Insulation, wire, woven	15th Floor, Elevator Room	ND
	Resilient Sheet Flooring	The second secon		Floor Materials	Red flooring material	15th Floor, 4.2-B-6.5-7	ND
SC121406	9" x 9" Floor Tile	Green	N/A	Floor Materials	Green 9"x9" Floor tile	14th Floor, OP-1-2	>1
SC121407	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Floor tile Mastic	44h Flanz OD 4.0	
- 56 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	THE TOTAL CONTROL CONTROL OF STREET STREET STREET, STREET	A TOTAL TO A STATE COME AND	CONTRACTOR CONTRACTOR OF THE STATE OF THE ST	{	Beige 12"x12" Spotted	14th Floor, OP-1-2	2
SC121404	12" x 12" Floor Tile	Beige	Marble Pattern	Floor Materials	"marble pattern"	14th Floor NO 4 0	
	· · · · · · · · · · · · · · · · · · ·		CONTROL OF THE STATE OF THE PERSON NAMED IN COLUMN	i ioo wateriais	maible pattern	14th Floor, NO-1-2	2
SC121405	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, NO-1-2	1
00404440	P1	1		The state of the s	of company or a page of the contract of the co	The state of the s	
SC121410	Floor Tile Mastic		Under Floor Tile/Carpet		Black Floor tile Mastic	14th Floor, MN-5.5-6	4
SC122003	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring, continuous		ND
00400000	Il amount Day 1			•		14th Floor, Mechanical Rm,	The same of the company was also also as a
SC122002	Layered Paper Insulation	Gray	Need Attribute	TSI .	Ducting blanket wrap	10.5-E	90
000	1 1 A 4 = - 41 -				Black Mastic A/W Freezer	Property and the secondary of the second sec	in a district of only so the second
009	Mastic		N/A	Misc.	Wall	14th Floor, Freezer Wall	ND
006	41 41 0 - 11	None Available from			12" x 12" Glued-on Ceiling	A STATE OF THE PARTY OF THE PAR	The state of the s
006	1' x 1' Ceiling Tile (Glued)	Citadel Report	N/A	Wall/Ceiling Materials	Tile	14th Floor, Corridor	ND
007	Calling Tile Adlanda				Ceiling Tile Mastic, Brown	The course from the field for come talk. However, commenced as a first section of the course of the	Property of the second
007	Ceiling Tile Adhesive	Brown .	N/A	Wall/Ceiling Materials	A/W CT1	14th Floor, Corridor	ND ·
008	Dineter				Unfinished Ceiling Plaster,	and the state of t	
000	Plaster	Gray	N/A	Wall/Ceiling Materials	Gray .	14th Floor, Above Ceiling	ND
011	1' v 1' Coiling Tile (Chard)	David Tautum	.		12" x 12" Glued-on Ceiling		
	1' x 1' Ceiling Tile (Glued)	Rough Fexture	N/A	Wall/Ceiling Materials	Tile, Rough Texture	14th Floor	ND
001	12" x 12" Floor Tile	NEED ATTOIDUTE	D		12" x12" VFT, Brown		
001	12 X 12 Floor file	NEED ATTRIBUTE	Brown Streaks	Floor Materials	W/Brown/White Mottles	14th Floor	ND
004	9" x 9" Floor Tile	Green .	Lindan Flace Tile (Occurs)	5 1 1 4 1 1 1	9" x 9" VFT, Green, Below		·
	39 89 11001 1116	Green .	Under Floor Tile/Carpet	Floor Materials	Carpet	14th Floor	>1%
013	Carpet Mastic	Black	Vallau	· Flace Mark 1 1	Floor Carpet Mastic,		
· · · · · · · · · · · · · · · · · · ·	- Carper iviasile	LIGCK	Yellow	Floor Materials	Black/Yellow	14th Floor	2%
012	Ceiling Tile Adhesive	Prous	NI/A	1A/ II/O II/	Ceiling Tile Mastic, Brown		
UIG Veri verdage type en approach	Centrig The Autresive	Brown	N/A		AW CT2	14th Floor	ND
002	Floor Tile Mastic	Black	Hadas Flass Tils /C		Floor Tile Mastic, Black A/W		
	TIOUT THE WASHE	DidUK	Under Floor Tile/Carpet	rioor Materials	FT1	14th Floor_	1-2%

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

V. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	LOW ALKERY MANAGES	Sold Service Service Action	14.00 pt 18.00 18.00	e (Albin, Petronous Who alkaholida as A	12 (925-25) 22 (25) 100 (12) 2 (13)		alise in the same of the
Sample #	Material Description	Primary Description	Secondary Description	Material Type ****	Sample In Container	General Location	% Asbestos
				i	Floor Tile Mastic, Black A/W	J. Gerieral Location 3	I - W Wanesios
005	Floor Tile Mastic	Black	N/A	Floor Materials	FT2	14th Floor	2%
			Assoc. w/Foam Glass	A Committee of the Comm	Black Tar A/W Foam Pipe	Erika ilik dari TuTkan kan ance mendan serangan mengenan ancer i Erika	.
010	Mastic	Black	Insulation	Misc.	Insulation	14th Floor	ND
000	\\\-!\				Wall System Composite,	frig. c. a. decimales (m.), producentegalescensors adolygingelless on anything state of mass and	The second secon
003 014	Wall System Composite Stalr Tread	White Black	N/A	Wall/Ceiling Materials	White	14th Floor	ND
014	Stair Tread	Black	Asphaltic	Floor Materials	Stair Tread	13th Floor, Stairwell	ND
021A	Resilient Sheet Flooring	Red	Plant	F 1 3	Vinyl Sheet Flooring, Rough		
	9" x 9" Floor Tile	region to the transfer of the contract of the	Black · · N/A	Floor Materials	Texture W/ Red & Black	13th Floor, Hallway	ND
	TO A O THOU THE	; O16611	(IV/A	Floor Materials	Green 9"x9" Floor tile	13th Floor, CD-4-5	
SC121413	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Mastic	40th 51 OD 4.5	
015	9" x 9" Floor Tile	Brown	N/A	Floor Materials	9" x 9" VFT Brown	13th Floor, CD-4-5 13th Floor	4
an and the figure of the same of the same of	en နှံ့ မြန်မြော် မေးကို အချိန်လွှိသည်။ မေးမေးမြောင်းမြောင်းမေးမေးမေးမေးမေးမေးမေးမေးမေးမေးမေးမေးမေး	CAS VES 2 C. Nove response times for popular to account	g M M M M M M M M M M M M M M M M M M M	I IOUI Materiais	Ceiling Tile Mastic, Brown	13th Floor	;>1%
017	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	A/W CT1	13th Floor	ND
	The strategy of the property of the strategy o	Million (M.) Prinse Servicine E. e. enthrough a contraval experience	er in die darf de settliche der in der die gegenüberen werden er Verwage in der der der der der der der der de	The war are well as a second and the	Floor Tile Mastic, Black A/W	E TOUT TOUT The second of the second	TND - Continuence
016	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT3	1 13th Floor	2-6%
		1	PERMITE OF A REPORT OF THE MAN THE A STATE OF THE OFFICE OFFICE OF THE OFFICE O	ментон 1 се — ментон менто менто политично продолжения	Floor Finish Compound.	TOTAL	2-070
018	Leveling Compound	Brown	N/A	Floor Materials	Brown	13th Floor	ND
	,			E E E	Vinyl Sheet Flooring, Rough	Annual of the species of the second sequestrates a single species of the second	
020	Resilient Sheet Flooring	Red	Black	Floor Materials	Texture W/ Red & Black	13th Floor	ND ·
0000					Vinyl Sheet Flooring, Brown,		
022B	Resilient Sheet Flooring	Brown	N/A	Floor Materials	Bottom Layer	13th Floor	ND
019	T				Wall Texture Coat, Gray		-
SC122904	Textured Coating Stair Tread	Gray	Speckled	Wall/Ceiling Materials	Specked	13th Floor	ND
30122904	Statt Fread	Black	Asphaltic	Floor Materials	Stair tread strip	12th Floor, Stairwell	ND
025	1' x 1' Ceiling Tile (Glued)	Bough Touture	NI/A		12" x 12" Glued-on Ceiling		,
020	11 x 1 Centrig Tite (Gided)	Frough rexture	N/A	Wall/Ceiling Materials	Tile, Rough Texture	12th Floor, RM. 1201	ND
023	9" x 9" Floor Tile		Brown	Class Matarials	9" x 9" VFT Off-white,		
		YVIIIC.	DIUWII	Floor Materials	White/Brown Mottles	12th Floor, RM. 1201	>1%
026	Celling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT2	10th Flags BM 4004	
n Edward or obse	🍨 - டு. பட் பெளியாட்பார் என்ற விறிச்சு முழும் இரு வகையார். படி 	To the obtainer of an about amountainer and an analysis	THE A	vvaii/Celling iviaterials	Floor Tile Mastic, Black A/W	12th Floor, RM. 1201	ND
024 .	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT4	12th Floor PM 1201	4 50/
in matter age found on the street of white is	e de contracto de la companya de la		·	i iooi Matoriaio		12th Floor, RM. 1201	4-5%
SC121414	Pipe Insulation	Belge	N/A	TSI	Pipe insulation, beige	11th Floor, Hallway, AB-8-9	5/10
·					9" x 9" VFT, Light. Brown,	Title loor, Hallway, Ab-0-9	10/10
029	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	Black Felt Backing	10th Floor, RM. 1024	ND
*		The state of the s	100 2010 14 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Activities of the second secon	9" x 9" VFT, Light Brown,	The second of th	
030	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	Black Felt Backing	10th Floor, RM. 1024	ND

Table 5.2a
Summary of Bulk Sample Analyses For Asbestos Identification (PLM)
By Floor

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
					9" x 9" VFT, Light Brown,	See Contral Cocation See	10 Vanesios
031	9" x 9" Floor Tile	Light Brown	Black ·	Floor Materials	Black Felt Backing	10th Floor, RM, 1024	ND
SC121420	Plaster	N/A	N/A	Wall/Ceiling Materials	Ceiling Material	10th Floor, HI-5-6	ND
					9" x 9" VFT, Green, Below		
032	9" x 9" Floor Tile	Green	Under Floor Tile/Carpet	Floor Materials	Carpet	10th Floor, Engineer RM. 1017	>1%
					Floor Tile Mastic, Black A/W	The second secon	1
033	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT2	10th Floor, Engineer RM. 1017	2%
027	9" x 9" Floor Tile	Brown	N/A	Floor Materials	9" x 9" VFT Brown	10th Floor	>1%
,					Floor Tile Mastic, Black A/W	The second section is a second of the second	de mentelikka para aryanian an
028	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT3	10th Floor	2-6%
038	Carpet Mastic	Yellow	N/A	Floor Materials	Carpet Mastic, Yellow	9th Floor, RM, 947	ND
					Ceiling Tile Mastic, Brown	Processor (1990) (1990) (1990) (1995)	
037	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	A/W CT1	9th Floor, RM, 947	Trace
039	Carpet Mastic	Yellow	N/A	Floor Materials	Carpet Mastic, Yellow	9th Floor, RM. 945	ND
046	9" x 9" Floor Tile	Light Brown	N/A	Floor Materials	9" X 9" vft, Light Brown	9th Floor, RM. 933	>1%
					Floor Tile Mastic, Black A/W	E CONTRACTOR OF THE PROPERTY O	A STATE OF THE STA
047	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT7	9th Floor, RM. 933	5%
					Vinyl Sheet Flooring, Rough	The Committee of the Co	Talkarian mining same and a
034	Resilient Sheet Flooring	Red	Black	Floor Materials	Texture W/ Red & Black	9th Floor, RM. 914	ND
				,	12" x 12" Glued-on Ceiling	A comment of an extension of a contract of the	<u>*</u>
036	1' x 1' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	Tile	9th Floor, RM, 912	ND
				The state of the s	Vinyl Sheet Flooring, Rough	 September on the Section of the complete free control of the company of the company	della omen omen omen en omen omen omen omen o
035	Resilient Sheet Flooring	Red	Black	Floor Materials	Texture W/ Red & Black	9th Floor, RM. 912	ND
					12" x 12" VFT, Beige W/ Multi-		Parties of the state of the sta
040	12" x 12" Floor Tile	Beige	Terrazo Pattern	Floor Materials	color, Terrazzo-like	9th Floor, RM. 909	>1%
	1	İ			12" x 12" VFT, Beige W/ Multi-	eta de la composition de la francia de la composition de la composition de la composition de la composition de La composition de la	de distribuição de deserva
041	12" x 12" Floor Tile	Beige .	Multi-colored Streaks	Floor Materials	color, Terrazzo-like	9th Floor, RM. 909	>1%
					Floor Tile Mastic, Yellow A/W	The control of the control o	(
042	Floor Tile Mastic	Yellow	Under Floor Tile/Carpet	Floor Materials	FT6	9th Floor, RM. 909	ND
	<u></u>				Floor Tile Mastic, Yellow A/W	The state of the s	<u> </u>
043	Floor Tile Mastic	Yellow	Under Floor Tile/Carpet	Floor Materials	FT6	9th Floor, RM. 909	ND
SC121429	9" x 9" Floor Tile	Beige	N/A	Floor Materials	9"x9" Floor tile Beigeish	9th Floor, Rm 925, KL-1-3	:>1
					The second secon	to the second of	4 '
to the company of the first property against	Floor Tile Mastic		Under Floor Tile/Carpet	Floor Materials	Black mastic	9th Floor, Rm 925, KL-1-3	3 .
SC121421	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red Flooring	9th Floor, Rm 904, HI-7-8	ND
	1			1	Beige Floor 12"x12" "marble	and in the control of the second and the control of the second and	
SC121422	12" x 12" Floor Tile	Beige	Marble Pattern	Floor Materials	pattern" Tile	9th Floor, Rm 900, EF-10-12	: >1
					i	gar relevant on a comment and a comment of a supply special parties of the Comment of the commen	
SC121423	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	9th Floor, Rm 900, EF-10-12	ND
	<u> </u>			. Account white the confidence of	The second secon	9th Floor, North Hallway, MN-6	
SC121427	Pipe Wrap	Cream	N/A	Misc.	Pipe wrap cream paint	7	60

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
SC121428	Resilient Sheet Flooring	Brown	N/A	Floor Materials		9th Floor, next to Fire Escape,	
-145 TH 1752	the second secon	**************************************	14/17	I TOUT WATERIAIS	Brown flooring 12" x12" VFT, Brown	NO-4-5	ND
044	12" x 12" Floor Tile	Brown	White	Floor Materials	W/Brown/White Mottles	9th Floor, Hall outside RM. 951	ND
045	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	9th Floor, Hall outside RM. 951	ND
066	Plaster	Gray	N/A	 Wall/Ceiling Materials	Unfinished Wall Plaster, Gray	8th Floor, Tolophone Closet	ND
056	Floor Coating	Beige	N/A	Floor Materials	Troweled-on Floor, Beige	8th Floor, Shower	ND
078	2' x 2' Ceiling Tile (Lay-in)	White	N/A	*	2' x 2' Lay-in Ceiling Panel,	The second secon	The second secon
	1	771110	11//	Wall/Ceiling Materials	White	8th Floor, RM. 856	ND
079		White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 856	, ND
	19" x 9" Floor Tile	A DESCRIPTION OF THE PARTY OF T		Floor Materials	9" X 9" vft, Light Brown	8th Floor, RM. 856	ND
076	9" x 9" Floor Tile	Brown	N/A	Floor Materials	9" x 9" VFT Brown	8th Floor, RM. 856	>1%
080	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	The Committee of the Co	ND
075	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT7	8th Floor, RM. 856	ND
077	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT3	8th Floor, RM. 856	•
081	Wallboard		N/A	Wall/Ceiling Materials	Wall Sheetrock, White	8th Floor, RM. 851	2-6%
	Wallboard Joint	The state of the second contract of the secon	con the state of the second or the second of	the second of the second of	1 van Oncerook, vinte	Cut Floor, Kiw. 65 [ND
082	Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	8th Floor, RM. 851	ND
053M	Covebase Mastic	Black	N/A	Floor Materials	Floor Tile Mastic	8th Floor, RM. 848, Under Sample #53	ND
051B	12" x 12" Floor Tile	Brown			12" x12" VFT, Brown	**************************************	And the second of the second o
0010	112 A 12 I IOOI THE	DIOWII	White	Floor Materials	W/Brown/White Mottles	8th Floor, RM. 848	>1%
048	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 848	ND
049	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 848	ND
050	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 848	ND
052C	Floor Tile Mastic	ALC I SHALL A CONTRACT OF THE	Under Floor Tile/Carpet	***************************************	Floor Tile Mastic, Black A/W		garanta ara-ara-ara-ara-ara-ara-ara-ara-ara-ar
THE RESERVE OF THE BUILDING	The State was a second with a first and a common or constitutions are	The linear contract to the second contract to	The contract of the contract o	i iodi iviateriais	Floor Leveling Compound,	8th Floor, RM. 848	1-2%
053	Leveling Compound	White	Need Attribute	Floor Materials	White	8th Floor, RM. 848	ND
054	9" x 9" Floor Tile	White	Need Attribute	Floor Materials	9" x 9" VFT, White	8th Floor, RM. 843 Locker Room	ND

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
055	Floor Tile Mastic	Black	N/A	Floor Materials	Floor Tile Mastic, Black A/W	8th Floor, RM. 843 Locker Room	ND
058	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 834	ND
059	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 834	ND
060	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Celling Panel, White	8th Floor, RM. 834	ND
057	Carpet Mastic	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	8th Floor, RM. 834	ND
068	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 810	ND
069	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 810	ND
067	Carpet Mastic	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	8th Floor, RM. 810	ND
070	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	8th Floor, RM. 806	ND
072 .	Felt Paper w/Mastic	Black	Steam	Misc.	Felt Paper Barier, Black (Radiator)	8th Floor, RM. 806	ND
073 071			Steam	Misc.	Felt Paper Barier, Black (Radiator)	8th Floor, RM. 806	ND
064	Floor Tile Mastic	i i i i i i i i i i i i i i i i i i i	N/A	Floor Materials	Floor Tile Mastic, Brown Floor Carpet Mastic,	8th Floor, RM. 806	ND
CORD brancosago	Carpet Mastlc.	Black	Yellow	Floor Materials	Black/Yellow Vinyl Sheet Flooring, Black,	(8th Floor, RM 831	ND
	Resillent Sheet Flooring 9" x 9" Floor Tile		Gray N/A	Floor Materials Floor Materials	Battleship 9"x9" beigeish Tile	8th Floor, RM 831 8th Floor, Rm 815, KL-10-11	ND ND
SC121433	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 815, KL-10-11	ND
SC121434	9" x 9" Floor Tile	Dark Brown	N/A	Floor Materials	Dark brown 9"x9" floor tile in bathroom	8th Floor, Rm 809, NO-8-9	>1
SC121435	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 809, NO-8-9	>1
SC121437	9" x 9" Floor Tile	Beige	Marble Pattern	Floor Materials	9"x9" Beige "marble pattern" Floor tile	8th Floor, Rm 803, KL-1-2	130
SC121438	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 803, KL-1-2	ND
SC122925	Plaster	Yellow .	Need Attribute	Wall/Ceiling Materials	Wall, granular	8th Floor, Rm 803 West wall K.5-N.5-1-3	ND

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

	Elizabeth Control	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					2.3.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2
Sample #	Material Description:	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
SC122922	Plaster	Beige	Yellow	Wall/Ceiling Materials	Wall, granular	8th Floor, Rm 803 South wall . K.5-N.5-1-3	ND
SC122924	Plaster	Beige	Need Attribute	Wall/Ceiling Materials	Wall, granular	8th Floor, Rm 803 North wall K.5-N.5-1-3	ND
SC122921	Decorative Plaster	White	Need Attribute	Wall/Ceiling Materials	Ceiling, white	8th Floor, Rm 803 K.5-N.5-1-3	ND
SC122923	Plaster	Gray	Need Attribute	Wall/Ceiling Materials	Wall, granular	8th Floor, Rm 803 East wall K.5-N,5-1-3	
083	Carpet Mastic	MPTOTE COLUMN TO AND	N/A	Floor Materials	Carpet Mastic, Yellow	8th Floor, Elevator	ND ND
061	Resilient Sheet Flooring	Black	Gray	Floor Materials	Vinyl Sheet Flooring, Black, Battleship		1
062	Resilient Sheet Flooring	Tan	N/A	Floor Materials	Vinyl Sheet Flooring, Tan	8th Floor, AT 517 8th Floor, AT 517	ND ND
063	Sheet Flooring Adhesive	Brown	N/A	Floor Materials	Vinyl Sheet Flooring Mastic, Brown A/W VSF4 & 5	8th Floor, AT 517	ND
089	Resilient Sheet Flooring		N/A	Floor Materials	Vinyl Sheet Flooring, Black, Battleship	7th Floor, RM. 749	ND
090	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	7th Floor, RM. 749	ND
091	Wallboard Joint Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	7th Floor, RM. 749	IND
087	Felt Paper w/Mastic	Black	Need Attribute	Misc.	Ceiling Tile Mastic, Brown A/W CT1	7th Floor, RM, 734	ND
088	Felt Paper w/Mastic		Steam	Misc.	Felt Paper Barier, Black (Radiator)	7th Floor, RM. 734	ND
086	Stucco Material	N/A	Need Attribute	Wall/Ceiling Materials	Mortar	7th Floor, RM. 731, Mortar	ND
085	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	7th Floor, RM. 730	ND
084	Ceiling Tile Adhesive		N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	7th Floor, RM. 723	ND
094	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	7th Floor, RM. 717	ND
095	Wallboard Joint Compound	White	N/A	Wall/Ceiling Materials		7th Floor, RM. 717	ND
092	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	7th Floor, RM. 714	ND
093	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	7th Floor, RM. 714	2-5%
SC121443	Resilient Sheet Flooring			Floor Materials	Black continuous flooring	7th Floor, Rm 708.5, NO-11- 12	ND
SC121441	12" x 12" Floor Tile	Black	Red	Floor Materials	12"x12" black/red floor tile	7th Floor, Rm 704, HI-10-11	>1
SC121442	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials			3

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

Sample #	AND THE PROPERTY OF THE PARTY O	2. ** / ** / ** / ** / ** ** ** ** ** ** *	278 (a) 111 (2 a) 40 (b)	tigoralistas arga	The water to be the state of		With the state of
*Sample #	Material Description	Primary Description:	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
DH010401	Plaster	10/1-11			Plaster below marble		
096	Resilient Sheet Flooring	White	On Wall	Wall/Ceiling Materials	wainscott, white	7th Floor, D9	ND
030	Resilient Sheet Flooring	Red	N/A	Floor Materials	Vinyl Sheet Flooring, Red	6th Floor, RM. 689	ND
098	9" x 9" Floor Tile	i D	0. 1.0	1	9" x 9" VFT, Brown		i
099	Floor Tile Mastic	Brown		Floor Materials	W/Black/Brown Flecks	,6th Floor, RM. 687	>1%
033	Floor Tile Mastic	N/A	N/A	Floor Materials	Floor Tile Mastic, A/W FT9	6th Floor, RM. 687	3-4%
100	Plaster .				Ceiling Plaster Finish,		
100		Gray	N/A	Wall/Ceiling Materials	Troweled Acoustic Material	6th Floor, RM. 687	7-8%
097	Ceiling Tile Adhesive	D		1	Ceiling Tile Mastic, Brown		
U31	Centry Tile Adnesive	Brown	N/A	Wall/Ceiling Materials	A/W CT1	6th Floor, RM. 620	ND
101	Dinatas				Ceiling Plaster Finish,		
101	Plaster	Gray	N/A	Wall/Ceiling Materials	Troweled Acoustic Material	6th Floor, RM. 600	7-8%
102	Plaster	0			Ceiling Plaster Finish,		6-1
102	Plaster	Gray	N/A	Wall/Ceiling Materials	Troweled Acoustic Material	6th Floor, RM. 600	7-8%
SC121501	0" ·· 0" Floor Tile	D-1-D-			9"x9" dark brown "marble		
30121301	9" x 9" Floor Tile	Dark Brown	Marble Pattern	Floor Materials	pattern" floor tile	6th Floor, Rm 674, OP-10-11	1
SC121502	Floor Tile Mandin	B		i 		•	
30121502	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black tile mastic	6th Floor, Rm 674, OP-10-11	ND
SC122102	Floor Tile Mantin					7	
SC 122 102	Floor Tile Mastic	Brown	Under Floor Tile/Carpet	Floor Materials	Brown mastic	6th Floor, Rm 656, MN-4-6	ND
SC122101	I Described On a 1 Cl			,	Brick red floor sheeting under	and a substitution of the state	10 00 00 00
· · · · · · · · · · · · · · · · · · ·	Resilient Sheet Flooring	Brick Red	Under Floor Tile/Carpet	Compared to the compared of th	carpet	6th Floor, Rm 656, MN-4-6	ND
SC121503	9" x 9" Floor Tile	Dark Brown	N/A	Floor Materials	9"x9" dark brown floor tile	6th Floor, Rm 636, CD-3-4	>1
SC121504	Floor Tile Manatio	51					
Service Services	Floor Tile Mastic		Under Floor Tile/Carpet		Black mastic .	6th Floor, Rm 636, CD-3-4	ND
SC121444	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring		ND
SC404507	10" · 10" Ft TU-					5th Floor, west of 548B, BC-10	3
SC121507	12" x 12" Floor Tile	Red	Marble Pattern	Floor Materials	floor tile	11	>1
CC404E00	Flaga Tilla Adagetta	5.				5th Floor, west of 548B, BC-10	action from the contract of th
SC121508	Floor Tile Mastic		Under Floor Tile/Carpet		Black mastic	11	4
108	12" x 12" Floor Tile	Black	N/A	Floor Materials	12" x 12" VFT Black	5th Floor, RM. 574	>1%
100	F1 T1- A4	- ·		,			
109	Floor Tile Mastic	Black .	Under Floor Tile/Carpet	Floor Materials	FT Mastice Black, A/W FT10	5th Floor, RM. 574	ND
100	O-11:- TI A II			,	Ceiling Tile Adhesive, Brown		Martin State of State
106	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	A/W CT1	5th Floor, RM. 570	ND
110	0.40			,	2'x2' Lay-in Ceiling Panel,	The Annual Grands are the property of annual factors and the second control of the secon	t i galeria a con esta granda esta esta esta esta esta esta esta est
110		White	Large Fissure	Wall/Ceiling Materials	White W/ Long Fissures	5th Floor, RM. 548	ND
405	Duct Vibration Isolation				HVAC Vibration Damper,	PATENTIAN TO A THE REPORT OF THE PATENTIAN AND T	man Martinista de tempo pendra como de la como de l
105	Cloth	White	HVAC	Misc.	Cloth, White	5th Floor, RM. 540	30%
					2' x 2' Lay-in Ceiling Panel,	**************************************	
103	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	White	5th Floor, RM. 531	ND

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

r Sample #	Material Description	Primary Decoration	Secondary Description				
Campic:#	- Waterial Description	Trimary Description	Secondary Description	Material Type	Sample In Container Wall System Composite,	General Location :	% Asbestos
107	Wall System Composite	White	Need Attribute	Wall/Ceiling Materials	White	5th Floor, RM. 531	Trace
104	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	5th Floor, RM, 522	ND
						5th Floor, Pipe Chase Rm, FG	
SC122103	Plaster	White	On Wall	Wall/Ceiling Materials	Plaster, spray applied		ND
SC121505	9" x 9" Floor Tile	Black	Manhla Dattana		9"x9" Black "marble pattern"	5th Floor, next to classroom,	
00121000	19 X9 Floor Tile	DIACK	Marble Pattern	Floor Materials	floor tile	CD-6-7	>1.
SC121506	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Motorials	Black mastic	5th Floor, next to classroom,	
- T - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		1 - 100 C	onder Hoor The/Carpet	Friori Materiais	Ceiling Tile Mastic, Brown	CD-6-7	3
111 .	Ceiling Tile Adhesive	Brown	Need Attribute	Wall/Ceiling Materials	A/W ????	4th Floor, RM. 618	ND
	The state of the s	American in the contract of th			12" x 12" VFT, White W/Black		INU.
112	12" x 12" Floor Tile	White	Black	Floor Materials	Mottles	4th Floor, RM. 453	ND
	-					The second section of the second seco	
113	Floor Tile Mastic	White	Under Floor Tile/Carpet	Floor Materials	FT Mastic, Black A/W FT11	4th Floor, RM. 453	1-2%
00404500	0, 0, 5, 5,				9"x9" greyish floor tile with	The second of th	100
SC121509	9" x 9" Floor Tile	Gray	White Streaks	Floor Materials	white streaks	4th Floor, Rm 429M, CD-4-5	ND
SC121510	Floor Tile Mastic	Black	l Indos Floor Tilo/Corret	 	5.		
124	Wallboard	White	Under Floor Tile/Carpet N/A		Black mastic	4th Floor, Rm 429M, CD-4-5	<u> <1</u>
	Wallboard Joint	i vviiite	INA	Wall/Ceiling Materials	Wall Sheetrock, White	3rd Floor, RM. 354	ND
125	Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	3rd Floor, RM, 354	ND
Market of the second se	neto, and includes our end discount and an end of the second	P. Colonia (Up recommenda optional appropriation)		Transportation Village	1' x 3' Spline Ceiling Tile,	1310 F1001, RWI, 334	עאן
122	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	White	3rd Floor, RM. 353	ND
				<u> </u>	1' x 3' Spline Ceiling Tile,		
123	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	White	3rd Floor, RM. 353	ND
404			Assoc. w/Computer		12' x 12" VFT Tan A/W	The second secon	
121	12" x 12" Floor Tile	Tan	Flooring	Floor Materials	Raised Computer Floor	3rd Floor, RM. 353	>1%
111	11 21 Calling Tile (Charle)	IAM. u.			1' x 3' Spline Ceiling Tile,		
114	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	White	3rd Floor, RM. 347	ND
115	1' x 3' Ceiling Tile (Glued)	:\A/hito	N/A	_\\\\\\\\\\\\\\\\\\\\\\\\\\\	1' x 3' Spline Ceiling Tile,		
	11 x 3 Centrig The (Gidea)	· AALIIIG		Wall/Ceiling Materials	White	3rd Floor, RM. 347	ND
116	1' x 3' Ceiling Tile (Glued)	\//hite	N/A	Moll/Colling Metarials	1' x 3' Spline Ceiling Tile,		1
**************************************	The second secon	T T T T T T T T T T T T T T T T T T T	A TEE A COMMISSION OF THE PARTY	Wall/Ceiling Materials	White 12" x 12" VFT, Beige	3rd Floor, RM. 347	ND
117	12" x 12" Floor Tile	Beige	White	Floor Materials	White/Brown Streaks	3rd Floor, RM. 347	>1%
	The second of a second of the	4	Commence of the second		Floor Tile Mastic, Black A/W	Joru Fivor, Rivi. 34/	7170
118	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials		3rd Floor, RM. 347	2-5%
The state of the s	 Westerfer interestablished at the complitation engagement and engagement engagement of the complete of the comple	nga - 1005 - 2010-20-20-20-20-20-20-20-20-20-20-20-20-20	essent come somewing of it morphists be come shallow	to any commence and any commence and any commence of	Floor Tile Mastic, Black A/W	I I I I I I I I I I I I I I I I I I I	12-5/0
120	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT8 & FLC1	3rd Floor, RM. 347	2-5%

Table 5.2a
Summary of Bulk Sample Analyses For Asbestos Identification (PLM)
By Floor

323 Jan. 1	#11###################################	#100.7 2 7.14	MARK WILLIAM				\$ 60.55 XXXXX
Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% 'Asbestos
119	Leveling Compound	White	Nine and Addallance	F1 M-4	Floor Leveling Compound,		l
	Leveling Compound	AALIIG	Need Attribute	Floor Materials	White	3rd Floor, RM. 347	ND
SC121511	9" x 9" Floor Tile	Beige	Marble Pattern	Floor Materials	Beige "marble pattern" Floor tile	3rd Floor, Rm 339, FG-1-2	>1
SC121512	Floor Tile Mastic	; ·Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	3rd Floor, Rm 339, FG-1-2	3
126	Duct Tape	THE THE PART WEST COMMISSION OF THE PARTY OF	HVAC	Misc.	HVAC Seam Tape, White	3rd Floor, Mech Room	ND
Para and and and a special spe	Tom come and a single second	The second secon		TALISO!	11VAC Seall Tape, Wille	3rd Floor, Elevator lobby	ואט
SC122203	12" x 12" Floor Tile	Black	N/A	Floor Materials	12x12 floor tile, black	entrance, I-6-7	ND
			•			3rd Floor, Elevator lobby	1
SC122204	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor tile mastic, black	entrance, I-6-7	. 3
DH121801	Dust/Debris	Light Accumulation	Need Attribute	Misc.	Dust on paper	3rd Floor, Dust on Paper, M/8	<0.0008
THE PERSON NAMES OF THE PARTY.	The first to a conference of the second seco	The second state of the second	real and the state of the state	**************************************	12" x12" VFT, Brown		
127	12" x 12" Floor Tile	Brown	White	Floor Materials	W/Brown/White Mottles	3rd Floor, Break Room	ND
		P 7 Metropic about the state and an experience of the state of the sta	Transport to the state of the s	Ф. Malin 1877 (1914) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944) (1944)	Floor Tile Mastic, Black A/W	Z or construction to distinguished construction and construction of suppose of the construction of the con	
128	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT1	3rd Floor, Break Room	1-2%
			•	_	9"x9" reddish "marble pattern"	And the state of t	·
SC121515	9" x 9" Floor Tile	Red	Marble Pattern	Floor Materials	floor tile	2nd Floor, Rm 208, AB-10-11	>1
CC101E16	Floor Tile Mactin	Disale	Hadaa Elea Tiis (O				
	Floor Tile Mastic 1' x 1' Ceiling Tile	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	2nd Floor, Rm 208, AB-10-11	3
129	(Splined)	White	N/A	Mall/Oallian Madaniala	12" x 12" Spline Ct, White	10 15	
125	(Spilited)	i vvriite	IVA	Wall/Ceiling Materials	Snow Flake Pattern	2nd Floor	ND
159	Ceiling Tile Adhesive	Brown	N/A	Mall/Cailing Materials	Ceiling Tile Mastic, Brown A/W CT1	1.15	
	Ocinity The Adriesive	I DIOWII	IV/A	Wall/Ceiling Materials	nd deconstruction and an arrangement of the contract of the co	1st Floor,Room 118	ND
160	Cork Mastic	Gray	White	Wall/Ceiling Materials	Wall Plaster Finish, Gray W/White Scratch Coat	1at Floor Boom 149	.
7918 N. 191 Pro vin Monte ven ving			AALIIC	Wall/Celling Waterlas	1 VVVVIIILE SCIAICH Coat	1st Floor,Room 118 1st Floor, Trusty Sleep Area,	Trace
SC121522	Resilient Sheet Flooring	Green	N/A	Floor Materials	Green flooring	NO-2-3	ND
	Insulating Material	A CONSTRUCTOR OF THE PROPERTY	•	Misc.	Insulation, wire, woven	1st Floor, SE Box	ND
	Insulating Material		Need Attribute	Misc.	Insulation, wire, black	1st Floor, SE Box	ND
	Insulating Material	ARE TO HELD IN THE COLUMN TO A THE PARTY OF		Misc.	Insulation, wire, paper	1st Floor, SE Box	ND
Si - Melangurakeri sayuna - yak	From the Committee of t	The reserve of the second contract of the sec	ang kan 1900 pada kalan panangan dan mengan dan pangan pangan pangan pangan pangan pangan pangan pangan pangan	op omonocumoumon mucho manana aggirana.	12" x 12" VFT, Beige W/ Multi-		1
162	12" x 12" Floor Tile	Beige	Multi-colored Streaks	Floor Materials	color. Terrazzo-like	1st Floor, Room 129	>1%
		TO COMPANY TO A COMPANY WATER OF WATER PARK A STREET OF THE STREET OF TH	***************************************	***************************************	Floor Tile Mastic, Black A/W	And the second s	di um initiali comunicazione del ance. L
163	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT6	1st Floor, Room 129	ND
			***************************************	The state of the s	9" x 9" VFT, Brown	en e	iliani tarpinennikan eringen per T
164	9" x 9" Floor Tile	Brown		Floor Materials	W/Black/Brown Flecks	1st Floor, Room 123	ND
165	Floor Tile Mastic	N/A	Need Attribute	Floor Materials	Floor Tile Mastic, A/W FT9	1st Floor, Room 123	ND
SC121524	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	1st Floor, Rm 100, GH-3-4	ND

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

		Salta Salta Salta		1-95-5-15-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2			1. Sept. 18 18 18 18 18 18 18 18 18 18 18 18 18
	Material Description 9" x 9" Floor Tile		Secondary Description		Sample In Container	General Location 🕔 🖫	% Asbestos
	ia xa Lioor ille	Black	Marble Pattern	Floor Materials	Black "marble pattern" tile	1st Floor, Rm 0100, GH-3-4	>1
SC122901	Cork	Brown	NI Attatle			1st Floor, Men's Locker room	
00122301	2 COTA	IDIOWII	Need Attribute	Wall/Ceiling Materials	Cork, ceiling, brown	¹ AB-6.5-7	ND
SC122902A	Mastic	Black	Asphaltic	NAI	1	1st Floor, Men's Locker room	
AT THE RESERVE OF THE STATE OF	The state of the s	- DIGON	Uphilaine	Misc.	Mastic, black tar-like	AB-6.5-7	ND
SC122902	Plaster	Gray	Need Attribute	Wall/Ceiling Materials	Diester	1st Floor, Men's Locker room	
War shows to a facilities of	allegation (1) (1) desired in mental and analysis in a second and a second a second and a second and a second and a second and a second a second and	Under Existing	14660 VIIIIDUIG	i vvair Ceillig Waterials	Plaster, gray 3 layer tile 12"x12" top floor	AB-6.5-7	IND
SC121525	12" x 12" Floor Tile		N/A	Floor Materials	*	1st Floor, Locker Room-SW	
t ige ffermige properties i manual	and an international control of the		Described September of the state of the same of the sa	I NOI Waterials	layer	corner of Gym, DE-3-4	ND
SC121526	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black floor mastic	1st Floor, Locker Room-SW	ND
Mark Minds Authority of Andread Strain Confession (1999)			ondor noor mercarpet	i iooi wateriais	Celling Mastic, Black A/W	corner of Gym, DE-3-4	ND
161	Ceiling Tile Adhesive	Black	Brown	Wall/Ceiling Materials	Brown Cork	1st Floor, Locker Room 127	ND
-	The same of the sa			, Train Conning Materials	i	1st Floor, Gym, lower	IND
SC122926	Plaster	Tan	Need Attribute	Wall/Ceiling Materials	Wall, granular	perimeter wall dome curb	ND
***************************************	The second secon	The state of the s	regional decision and a survival and	Commission of the second particular second	12" x 12" VFT, Beige	permeter wan dome curb	INU
130	12" x 12" Floor Tile		White	Floor Materials	White/Brown Streaks	1st Floor	ND
132	Duct Tape		HVAC		HVAC Seam Tape, White	1st Floor	ND
		1	Andrew (Andrews) (Andrews) Andrews (Andrews) (Floor Tile Mastic, Black A/W	1001	110
131	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT8 & FLC1	1st Floor	2-5%
			Per de la companya del la companya de la companya d	* consistent and other and higher consentations are restricted as a second	Roof Built-up Core, Rlack Tar		1
143	tion of the term of the contract of the term of the contract o	Black	Roof -	Roofing	and Felts, Rock Fini	Roof, 5th Floor	ND
	Waterproofing @ Roof			The second secon	Roof Penetration Sealant,	Arrania marina da de Carina da Arrania da Ar	de la companya de la
144	Equip.	Black	Gray	Roofing	Black/Gray	Roof, 5th Floor	6-18%
		i i		-	Roof built-up Core, Black Tar	AND THE PROPERTY OF THE PROPERTY AND	Parket benedige manage to make the transfer and a second property of the second parket by the
133	Built-Up Roofing System	Black	Roof	Roofing	& Felts (White Stone	Roof	ND
					Roof built-up Core, Black Tar	The control of the co	Park Militaria, or glassic and one consumpression of
134	Built-Up Roofing System	Black	Roof	Roofing	& Felts (White Stone	Roof	ND
405					Roof built-up Core, Black Tar		general harmonic and an analysis of the second seco
135	Built-Up Roofing System	Black	Roof	Roofing	& Felts (White Stone	Roof	ND
				•	Roof Built-up Core,		1
420	D. W. H. D. G. C.		- /		Gray/Black Tar & Felts	A Company of the Comp	-
136	Built-Up Roofing System	Gray	Black	Roofing	(Smooth	Roof	<1%-18%
				A de la constante de la consta	Roof Built-up Core,	1	
137	Puilt Up Booling Custom	C	Disale		Gray/Black Tar & Felts		
101	Built-Up Roofing System	Gray	Black	Roofing	(Smooth	Roof	<1%-18%
•.					Roof Built-up Core,	-	
138	Built-Up Roofing System	Gray ·	Diagle	C S	Gray/Black Tar & Felts		
100	Dunt-Oh Mooning System	Gray	Black	Roofing ·	(Smooth	Roof	<1%-18%
142	Built-Up Roofing System	Black	Roof	Doofing	Roof Built-up Core, Rlack Tar		
1 144	Duite of Rooming Gystern	DIACK	NOUI .	Roofing	and Felts, Rock Fini	Roof	ND

Table 5.2a Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Floor

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container		
149	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	General Location *** Roof	1:% Asbestos
	Duct Vibration Isolation	Maria de la compania del compania del compania de la compania del la compania de la compania del	• in the property of the second secon	· From the second secon	Trans Seam Tape, Wille	1KOOI	טא
148	Cloth	HVAC	Need Attribute	Misc.	HVAC Vibration Damper	Roof	ND
•	Waterproofing @ Roof		***************************************	<u> </u>	Roof Penetration Sealant,	11.001	!ND
139	Equip.	Black	Gray	Roofing	Black/Gray	Roof	6-18%
	Waterproofing @ Roof				Roof Penetration Sealant,	11,000	0-10/0
140	Equip.	Black	Gray	Roofing	Black/Gray	Roof	6-18%
	Waterproofing @ Roof			The state of the s	Roof Penetration Sealant,		10-10/0
141	Equip.	Black	Gray	Roofing	Black/Gray	Roof	6-18%
166	Stucco Material	Grov	Name of Association				
	Otocco iviatellal	Gray	Need Attribute	Wall/Ceiling Materials	Exterior Stucco, Gray	Parking Lot. Guard Shack	ND
167	Stucco Material	Gray	Need Attribute	Wall/Ceiling Materials	Eutorios Student O		
Mini denembera a tradiciones	to and the second control of the second of t	Principle Commissionaria material and annual annual	11000 Attibute	vvaii/Celling iviaterials	Exterior Stucco, Gray	Parking Lot. Guard Shack	ND
168	Stucco Material	Gray	Need Attribute	Wall/Ceiling Materials	Exterior Studen Cray	B-dia-1-1-0	
•,••	Duct Vibration Isolation		Francis of the control of the contro	Wall/Celling Waterlas	Exterior Stucco, Gray	Parking Lot. Guard Shack	ND
157	Cloth	Grav	HVAC	Misc.	HVAC Vibration Damper, Canvas, gray	Limbs Count #4	100
	Duct Vibration Isolation	igns or from a companion companion of	Mileston — pomo se este ante e a care e care e que a	* * * * * * * * * * * * * * * * * * *	HVAC Vibration Damper,	Light Court #4	30
158	Cloth	Gray	HVAC	Misc.	Gray Cloth (Mesh)	Light Court #4	30%
,) 	***************************************	Roof Built-up Core, Gray	Light Could for	3070
150	Built-Up Roofing System	Gray	Roof	Roofing	Rubber-like Membrane W/Fe.	Light Court #2	:ND
			The second second second second second second second second	**************************************	Roof Built-up Core, Gray	I I I I I I I I I I I I I I I I I I I	IND .
151	Built-Up Roofing System	Gray	Roof	Roofing	Rubber-like Membrane W/Fe	l ight Court #2	ND
			The second of the second control of the seco		Roof Built-up Core, Gray		THE STREET
152	Built-Up Roofing System	Gray	Roof	Roofing	Rubber-like Membrane W/Fe	Light Court #2	3-4%
450			•	-		Light Court #1, Inside Covered	1
156	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White		ND
150	Dulle I In Description				Roof Built-up Core, Gray		
153	Built-Up Roofing System	Gray	Roof ·	Roofing	Rubber-like Membrane W/Fe	Light Court #1	ND
154	Pulls I la Dandina Const				Roof Built-up Core, Gray	The state of the s	The second of the state of the second of the
SECTION SERVICE AND A SECTION	Built-Up Roofing System	Gray	Roof	Roofing	Rubber-like Membrane W/Fe	Light Court #1	3-4%
- Mary COURSE AND DESCRIPTION OF	Duct Tape			Misc.	HVAC Seam Tape, White	The Community of the Community and the Book College, which the consequence of the consequ	ND
	Insulating Material	The transfer of the state of the state of the state of the state of	Need Attribute	Misc.	Insulation, wire, woven	Basement, SW Box	ND
JI 12 1403B	Insulating Material	Black	Need Attribute	Misc.	Insulation, wire, black	Basement, SW Box	ND

Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

240) 280 July 800	150 hours (122 200 100 150 150 150 150 150 150 150 150 1	Section Commence of the	14 - 42 St - 28 44 12 St - 43	Tarker of Section 1881			
128.5			Secondary				%
** Sample #		Primary Description	Description	Material Type	Sample In Container	General Location	Asbestos
025	1' x 1' Ceiling Tile (Glued)	Rough Texture	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile, Rough Texture	12th Floor, RM. 1201	ND
011	1'x 1' Ceiling Tile (Glued)	Rough Texture None Available from	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile, Rough Texture	14th Floor	ND
006	1' x 1' Ceiling Tile (Glued)	Citadel Report	N/A	Wall/Ceiling Materials	14.28 v. 4.28 Chiend on Online Tite		
036	1' x 1' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	112" x 12" Glued-on Celling Tile 12" x 12" Glued-on Celling Tile	14th Floor, Corridor	ND
	The state of the s	APACON DE MONTE CANAL A AMAGEMENTO C. C.	in the comment of the company	Transfer of the second	TIZ X IZ Gloca-off Celling The	9th Floor, RM. 912	ND .
129	1' x 1' Ceiling Tile (Splined)	White	N/A	Wall/Ceiling Materials	12" x 12" Spline Ct, White Snow Flake Pattern	2nd Floor	:ND
114	:11 v 21 Colling Tile (Chied)	AAM-S-			The state of the s	Control This is a section to the control of t	
1.17	1' x 3' Ceiling Tile (Glued)	vvnite	N/A	Wall/Ceiling Materials	'1' x 3' Spline Celling Tile, White	3rd Floor, RM. 347	ND
115	1' x 3' Ceiling Tile (Glued)	White	N/A .	Wall/Ceiling Materials	11 v 21 Calles Calles Tile Milete		_
				wall Celling Waterials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
116	1' x 3' Celling Tile (Glued)	White	N/A	Wall/Ceiling Materials	11' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
		1	† 1	The second second second second second second	the second section of the second section of the second sec	TOTAL FOR MANUAL TO THE PARTY OF THE PARTY O	
122	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 353	ND
123	1' x 3' Ceiling Tile (Glued)	Mhia	N/A	144 1160 111	and the state of t	10. A state a character and an extension of the contract of th	· • · · · · · · · · · · · · · · · · · ·
	1 x 3 Central Tile (Gidea)	AALIKA	INIA	Wall/Ceiling Materials	11' x 3' Spline Ceiling Tile, White	3rd Floor, RM, 353	ND
001	12" x 12" Floor Tile	NEED ATTRIBUTE	Brown Streaks	Floor Materials	12" x12" VFT, Brown W/Brown/White Mottles		1
SC121404	12" x 12" Floor Tile	Beige	Marble Pattern	Floor Materials	Beige 12"x12" Spotted "marble pattern"	14th Floor 14th Floor, NO-1-2	ND 2
1			Mariabas (Miles Sance of the Sa	Secretary of the contract of the communication of t	The state of the s	14(II FIOUI, INO-1-2	
130	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	1st Floor	ND
SC121525	10" v 10" Eleas Tile	Under Existing			The first team and the second of the second	1st Floor, Locker Room-SW corner of Gym, DE-	
30121323	12" x 12" Floor Tile	Finishes	N/A	Floor Materials	3 layer tile 12"x12" top floor layer	4	·ND
162	12" x 12" Floor Tile	Beige	Multi-colored Streaks	Floor Materials	12" v 12" VET Beige M// M//M color T "		
	The second secon	T-19-1	to a same or problems of the contraction of	1 NOT Waterials	12" x 12" VFT, Beige W/ Multi-color, Terrazzo-like	1st Floor, Room 129	>1%
127	12" x 12" Floor Tile	Brown	White	Floor Materials	12" x12" VFT, Brown W/Brown/White Mottles	3rd Floor, Break Room	ND
0040000		i	The state of the s	The same and the s	Commission of the second commission of the second of the s	The second secon	
SC122203	12" x 12" Floor Tile	Black	N/A	Floor Materials	12x12 floor tile, black	3rd Floor, Elevator lobby entrance, I-6-7	ND ·
117	12" x 12" Floor Tile	Beige)A/hita	 			1
	, iz Aliz i loui the	. Deige	White Assoc. w/Computer	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	3rd Floor, RM. 347	· >1%
121	12" x 12" Floor Tile	Tan	Flooring	Floor Materials	12' x 12" VFT Tan A/W Raised Computer Floor	2nd Floor DM 252	
	1				The Alle Controlled country of the control of the c	3rd Floor, RM, 353	>1%
112	12" x 12" Floor Tile	White	Black	Floor Materials	12" x 12" VFT, White W/Black Mottles	4th Floor, RM, 453	ND
100.	100 100 Tu-	la			The state of the s	The same of the sa	j''''
108 SC121507	12" x 12" Floor Tile 12" x 12" Floor Tile	Black Red	N/A	Floor Materials	12" x 12" VFT Black	5th Floor, RM. 574	>1%
SC121441	12" x 12" Floor Tile	Black	Marble Pattern Red	Floor Materials Floor Materials	Red 12"x12" "marble pattern" floor tile	5th Floor, west of 548B, BC-10-11	<u> </u> >1
in nata ida kan	The state of the s	in the B.S. author many parts a consequent	1104	i ivui ivialeijais	12"x12" black/red floor tile	7th Floor, Rm 704, HI-10-11	. >1
092 .	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	7th Floor, RM. 714	ND
		4	The state of the forest transmission of the state of the	PROPERTY OF THE PARTY OF THE PA	The transfer of the second of	1 (1) 1 (OUT) (NIV), 7 14	_ [NU
070	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	8th Floor, RM. 806	ND
0610	10" v 10" Eleas Tila	D			A design of the state of the st	The second secon	† · · · · · · · · · · · · · · · · · · ·
051B ·	12" x 12" Floor Tile	Brown	White	Floor Materials	12" x12" VFT, Brown W/Brown/White Mottles	8th Floor, RM, 848	>1%
044	12" x 12" Floor Tile	Brown	White	Floor Materials	12" v12" VET Proug M//Proug M//ha ht-		
A SECTION OF PERSONS	12" x 12" Floor Tile		Marble Pattern	Floor Materials	12" x12" VFT, Brown W/Brown/White Mottles Beige Floor 12"x12" "marble pattern" Tile	9th Floor, Hall outside RM, 951	ND
				. ioo. materialo	sociac Floor 12 x12 Tharbie pattern Tile	9th Floor, Rm 900, EF-10-12	.>1

Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	** ***********************************
040	12" x 12" Floor Tile	Belge	Terrazo Pattern	Floor Materials	12" x 12" VFT, Beige W/ Multi-color, Terrazzo-like	9th Floor, RM. 909	>1%
041	12" x 12" Floor Tile	Beige	Multi-colored Streaks	Floor Materials	12" x 12" VFT, Beige W/ Multi-color, Terrazzo-like	9th Floor, RM. 909	>1%
103	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	5th Floor, RM. 531	ND
058	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Celling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 834	ND
059	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 834	ND
060	2' x 2' Celling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 834	'ND
78	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 856	ND
79	2' x 2' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 2' Lay-in Ceillng Panel, White	8th Floor, RM. 856	ND .
110	2' x 4' Ceiling Tile (Lay-In)	White	Large Fissure	Wall/Ceiling Materials	2'x2' Lay-in Ceiling Panel, White W/ Long Fissures	5th Floor, RM, 548	ND
068	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 810	ND
)69	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 810	ND
)48,	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 848	ND
149	2' x 4' Ceillng Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Celling Panel, White	8th Floor, RM. 848	ND
50	2' x 4' Ceiling Tile (Lay-in)	White	N/A	Wall/Ceiling Materials	2' x 4' Lay-in Ceiling Panel, White	8th Floor, RM. 848	ND
)27	9" x 9" Floor Tile	Brown		Floor Materials .	9" x 9" VFT Brown	10th Floor	`>1%
32	9" x 9" Floor Tile	Green	Under Floor Tile/Carpet	Floor Materials	9" x 9" VFT, Green, Below Carpet	10th Floor, Engineer RM. 1017	>1%
29	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light. Brown, Black Felt Backing	i ,10th Floor, RM. 1024	ND
30	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light Brown, Black Felt Backing	10th Floor, RM. 1024	ND
31	9" x 9" Floor Tile	Light Brown	- Black	Floor Materials	9" x 9" VFT, Light Brown, Black Felt Backing	and the control of th	ND
23	9" x 9" Floor Tile	White	Brown	Floor Materials	9" x 9" VFT Off-white, White/Brown Mottles	the control of the co	>1%
15 . C121412	9" x 9" Floor Tile 9" x 9" Floor Tile	Brown Green	4 Car	Floor Materials Floor Materials	9" x 9" VFT Brown Green 9"x9" Floor tile	13th Floor	>1%
04	9" x 9" Floor Tile	Green	Under Floor	Floor Materials	ния в полительной полительной в полительной	13th Floor, CD-4-5	
C121406 C121523	9" x 9" Floor Tile	Green	N/A	Floor Materials	9" x 9" VFT, Green, Below Carpet Green 9"x9" Floor tile		>1% >1
· · · . · · . · · · · · · · · · · · · ·	9" x 9" Floor Tile	Black	Marble Pattern	Floor Materials	Black "marble pattern" tile	and a company to the company of the	>1
4	9" x 9" Floor Tile	Brown	Black/Brown	Floor Materials	9" x 9" VFT, Brown W/Black/Brown Flecks	1st Floor, Room 123	ND

Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

· Constant and the	A STATE OF THE STA	Intel Concession of the	1.50 0/3020 12:00 10	D 54 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T T T T T T T T T T T T T T T T T T T		
		A Mary A State	Secondary				E 10-40-40-4
Sample #	Material Description	Primary Description	Description	Material Type	Sample In Container	General Location	
SC121515	9" x 9" Floor Tile	Red	Marble Pattern	Floor Materials	9"x9" reddish "marble pattern" floor tile	2nd Floor, Rm 208, AB-10-11	Asbestos >1
SC121511	9" x 9" Floor Tile	Beige	Marble Pattern	Floor Materials	Beige "marble pattern" Floor tile	3rd Floor, Rm 339, FG-1-2	>1
SC121509	9" x 9" Floor Tile	Gray	White Streaks	Floor Materials	'9"x9" greyish floor tile with white streaks	4th Floor, Rm 429M, CD-4-5	ND
SC121505	9" x 9" Floor Tile	Black	Marble Pattern	Floor Materials	9"x9" Black "marble pattern" floor tile	5th Floor, next to classroom, CD-6-7	>1
	9" x 9" Floor Tile	Dark Brown	N/A	Floor Materials	9"x9" dark brown floor tile	6th Floor, Rm 636, CD-3-4	>1
SC121501	9" x 9" Floor Tile	Dark Brown	Marble Pattern	Floor Materials	9"x9" dark brown "marble pattern" floor tile	6th Floor, Rm 674, OP-10-11	11
. •			:	and the state of t	The state of the s	The state of the s	1
	9" x 9" Floor Tile	Brown	Black/Brown	Floor Materials	9" x 9" VFT, Brown W/Black/Brown Flecks	6th Floor, RM, 687	>1%
		Beige	Marble Pattern	Floor Materials	9"x9" Beige "marble pattern" Floor tile	8th Floor, Rm 803, KL-1-2	130
	9" x 9" Floor Tile	Dark Brown	N/A	Floor Materials	Dark brown 9"x9" floor tile in bathroom	8th Floor, Rm 809, NO-8-9	>1
SC121432	9" x 9" Floor Tile	Beige	IN/A	Floor Materials	9"x9" beigeish Tile	8th Floor, Rm 815, KL-10-11	ND
054							
054	9" x 9" Floor Tile	White	Need Attribute	Floor Materials	9" x 9" VFT, White .	8th Floor, RM, 843 Locker Room	ND
074	Oh Ol Cl Til .		İ				
074	9" x 9" Floor Tile	Light Brown	N/A	Floor Materials	9" X 9" vft, Light Brown	8th Floor, RM. 856	ND
076	9" x 9" Floor Tile	Brown	I LIVA				:
	9" x 9" Floor Tile	And property and concerns construction and was a few construction.	N/A N/A	Floor Materials	(9" x 9" VFT Brown	8th Floor, RM. 856	>1%
00,121429	a x a Lioni Lile	Beige	IN/A	Floor Materials	9"x9" Floor tile Beigeish	9th Floor, Rm 925, KL-1-3	· '>1
046	9" x 9" Floor Tile	Light Brown	N/A	Floor Materials	OIL V OIL L Labe Danne		
97°	3 × 3 1 001 1116	Eight brown	. IN/A	riour waterials	9" X 9" vft, Light Brown	9th Floor, RM. 933	>1%
153	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane	Link Court #4	
1777 - Jan 4	·	· · · · · · · · · · · · · · · · · · ·	The second of th	rtoomig	Roof Bullt-up Core, Gray Rubber-like Membrane	Light Court #1	ND
154	Built-Up Roofing System	Gray	Roof	Roofing	W/Fe	,Light Court #1	2.404
	∳TATURAT PURUTA, WP TARW Wumuu :	(Roof Built-up Core, Gray Rubber-like Membrane	Light Coult #1	3-4%
150	Built-Up Roofing System	Gray	Roof	Roofing		! Light Court #2	ND.
	to contrate the world to a Make the construction of the contrate of the co	to medicina and a consequence of	• i i i i i i i i i i i i i i i i i i i		Roof Built-up Core, Gray Rubber-like Membrane	Service of the control of the contro	4,00
151	Built-Up Roofing System	Gray	Roof	Roofing	W/Fe	Light Court #2	ND
	Man Man and the Control of the Contr				Roof Built-up Core, Gray Rubber-like Membrane	The state of the s	
152	Built-Up Roofing System	Gray	Roof	Roofing	W/Fe	Light Court #2	3-4%
	: :			· ·		and the control of th	
133	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
					ent) - deale will the decide and real control code or or or other state dispersion to the second code of the	the control of differential and differential arranges desires arrangements and according to the control of the	of the state of th
134	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
					And the state of t	And a comparison of the second december of the control of the cont	The second secon
135	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
400			(
136	Built-Up Roofing System	Gray	Black	Roofing	Roof Built-up Core, Gray/Black Tar & Felts (Smooth	Roof	<1%-18%
407	D. 34 11 - D - 5 - 0	t	in.				
137	Built-Up Roofing System	Gray	Black	Roofing	Roof Built-up Core, Gray/Black Tar & Felts (Smooth	Roof	<1%-18%
138	Built-Up Roofing System	Grove	Dlast	D8	0.40 % 0.00 % 0.00		
	Paur-ob Looming System	Gray	Black	Roofing	Roof Built-up Core, Gray/Black Tar & Felts (Smooth	Roof	<1%-18%
142	Built-Up Roofing System	Black	Roof	Roofing	Poof Puilt up Core Plool Toward Falls Dark File	in	
· · ·		i	de Sales com acamera mon aparece acamera	Trooling	Roof Built-up Core, Rlack Tar and Felts, Rock Fini	Roof	ND
143	Built-Up Roofing System	Black	Roof	Roofing	Roof Built-up Core, Black Tor and Falte, Book Fini	Poof 5th Floor	, ND
	pricoming of ordin		11001	rvoviilly	Roof Built-up Core, Rlack Tar and Felts, Rock Fini	Roof, 5th Floor	INI.)
013	Carpet Mastic	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	14th Floor	2%
			,	- 100- Matorialo	i loor outpot Mastio, Diack/ (Cilow	THUTTION	£ 70

Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
083	Carpet Mastic	Yellow	N/A	Floor Materials	Carpet Mastic, Yellow	8th Floor, Elevator	ND
064	Carpet Mastlc	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	8th Floor, RM 831	ND
067	Carpet Mastic	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	8th Floor, RM. 810	ND
057	Carpet Mastic	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	8th Floor, RM. 834	ND
039	Carpet Mastic	Yellow	N/A	Floor Materials	Carpet Mastic, Yellow	9th Floor, RM. 945	ND
038	Carpet Mastic	Yellow	: N/A	Floor Materials	Carpet Mastic, Yellow	9th Floor, RM. 947	ND
026	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT2	12th Floor, RM. 1201	ND
017	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	13th Floor	ND
012	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT2	14th Floor	ND
007	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	14th Floor, Corridor	ND
161	Ceiling Tile Adhesive	Black	Brown	Wall/Ceiling Materials	Ceiling Mastic, Black A/W Brown Cork	1st Floor, Locker Room 127	ND
159	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	1st Floor,Room 118	ND
111	Celling Tile Adhesive	Brown	Need Attribute	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W ????	4th Floor, RM. 618	ND
106	Celling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Adhesive, Brown A/W CT1	5th Floor, RM. 570	ND
097	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	6th Floor, RM. 620	ND
084	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	7th Floor, RM. 723	ND
085	Celling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceilling Tile Mastic, Brown A/W CT1	7th Floor, RM. 730	ND
080	Celling Tile Adhesive	Brown	N/A	Wall/Celling Materials	Ceiling Tile Mastic, Brown A/W CT1	8th Floor, RM. 856	ND
037	Celling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastlc, Brown A/W CT1	9th Floor, RM. 947	Тгасе
SC122901	Cork	Brown	Need Attribute	Wall/Celling Materials	Cork, ceiling, brown	1st Floor, Men's Locker room AB-6.5-7	ND ·
160	Cork Mastic	Gray	White	Wall/Ceiling Materials	Wall Plaster Finish, Gray W/White Scratch Coat	1st Floor,Room 118	Trace
053M	Covebase Mastic	Black	N/A	Floor Materials	Floor Tile Mastic	Under Sample #53	ND
SC122921	Decorative Plaster	White	Need Attribute	Wall/Ceiling Materials	Ceiling, white	8th Floor, Rm 803 K.5-N.5-1-3	ND
147	Duct Tape	White	HVAC .	Misc.	HVAC Seam Tape, White	15th Floor, Upper Mech Room	50%

Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	·
32	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	1st Floor	- Asbestos ND
26	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	3rd Floor, Mech Room	ND
04	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	5th Floor, RM. 522	ND
55	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Light Court #1	ND
56	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Light Court #1, Inside Covered Duct	ND
49	Duct Tape Duct Vibration Isolation	White	HVAC	Misc.	HVAC Seam Tape, White	Roof	ND
46	Cloth Duct Vibration Isolation	Gray	HVAC	Misc.	HVAC Vibration Damper Gray Canvas	15th Floor, Upper Mech Room	ND
105	Cloth Duct Vibration Isolation	White	HVAC	Misc.	HVAC Vibration Damper, Cloth, White	5th Floor, RM. 540	30%
157	Cloth Duct Vibration Isolation	Gray	HVAC	Misc.	HVAC Vibration Damper, Canvas, gray	Light Court #4	30
58	Cloth Duct Vibration (solation	Gray	HVAC	Misc.	HVAC Vibration Damper, Gray Cloth (Mesh)	Light Court #4	30%
48	Cloth	HVAC	Need Attribute	Misc.	HVAC Vibration Damper	Roof	ND
DH121801	Dust/Debris	Light Accumulation	Need Attribute	Misc,	Dust on paper	3rd Floor, Dust on Paper, M/8	<0.0008
87	Felt Paper w/Mastic	Black	Need Attribute	Misc.	Ceiling Tile Mastic, Brown A/W CT1	7th Floor, RM. 734	ND
88	Felt Paper w/Mastic	Black	Steam	Misc.	Felt Paper Barier, Black (Radiator)	7th Floor, RM. 734	ND
)72	Felt Paper w/Mastic		Steam	Misc.	Felt Paper Barier, Black (Radiator)	8th Floor, RM. 806	ND
073	Felt Paper w/Mastic	Black		Misc.	Felt Paper Barier, Black (Radiator)	8th Floor, RM. 806	ND
SC122001 956	Floor Coating	Black Beige		Floor Materials	Flooring material, black	15th Floor, perimeter wall cavity, A-2	ND
28	Floor Tile Mastic	Black	N/A Under Floor Tile/Carpet	Floor Materials	Troweled-on Floor, Beige	8th Floor, Shower	ND
33	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials Floor Materials	Floor Tile Mastic, Black A/W FT3 Floor Tile Mastic, Black A/W FT2	10th Floor	2-6%
24	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT2 Floor Tile Mastic, Black A/W FT4	10th Floor, Engineer RM. 1017 12th Floor, RM. 1201	2%
16	gradus and a second and a second and a second and a second and a second and a second and a second and a second a second and Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT3	19 10 10 10 10 10 10 10 10 10 10 10 10 10	4-5% 2-6%	
C121413	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Mastic	13th Floor, CD-4-5	4
02	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	микосолом k. — и жүлгэдээрийн араан и ин на на на на на на на на на на на на на	14th Floor	1-2%

Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

40.00			Secondary &			Kuta sa	. %
Sample #	Material Description	Primary Description	Description * **	Material Type	Sample In Container	General Location	Asbestos
005	Floor Tile Mastic	Black	· N/A	Floor Materials	; ;Floor Tile Mastic, Black A/W FT2	14th Floor	2%
			Under Floor	The second secon	ளியார். சென்னிய இன்று வின்று வெள்ளிய விரும்பிய விறு விறு விறு விறு விறு விறு விறு விறு	ortological Company of the second of the sec	
SC121410	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, MN-5.5-6	:4
		<u>.</u>	Under Floor		The state of the s	The first state of the control of the transfer	
SC121405	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, NO-1-2	.1
00404407	51	<u>.</u>	Under Floor				
SC121407	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, OP-1-2	. 2
131	Floor Tile Mastic	Black	Under Floor			L *	
131	Ploof the Waste	Diack	Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	11st Floor	2-5%
SC121526	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Disable floor security	1st Floor, Locker Room-SW corner of Gym, DE-	, .
00121020	TOO THE WASTE	PIGCS	Under Floor	PROGRAMATERIALS	Black floor mastic	14	ND
SC121524	Floor Tile Mastic	Black	Tile/Carpet	Elear Materials	Black mostle	Later Burgon Olion	
	The manner of the state of the	1 - 14 4	ing Carter	Floor Materials	Black mastic	1st Floor, Rm 100, GH-3-4	ND
165	Floor Tile Mastic	N/A	Need Attribute	Floor Materials	Floor Tile Mastic, A/W FT9	1 - 1 5 D 100	
dit ide many retendence on y	TO THE THE STORM OF THE STORM O	1 1 1 / 1	Under Floor	FIDUI MATERIAIS	THOUT THE WASIC, AVV FT9	1st Floor, Room 123	ND
163	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT6	144 Floor Brown 400	
alia kaling and an ang ang and and and	Partie of the contract of the	1	Under Floor	i iour materiais	FIDULTIE MASIC, DIACK A/VV FIO	1st Floor, Room 129	ND
SC121516	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black mastic	2nd Floor Dm 209 AD 10 11	
ூர் செர் இர் சிர்தி மன் வக -	e Carlo Citic dista Company and Edition of State of Company and Co	1	Under Floor	i loor waterials	TORONI III AND AND AND AND AND AND AND AND AND AND	2nd Floor, Rm 208, AB-10-11	3
128	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	3rd Floor, Break Room	1-2%
The second secon	Appropriate to the contract of	antitatiin oo aana a maa aa	Under Floor	:	Secretary of the Manager of the Secretary of the Secretar	Joid Floor, Dieak Room	1-270
SC122204	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Floor tile mastic, black	3rd Floor, Elevator lobby entrance, 1-6-7	3
. Marin 200 100 100 100 100 100 100 100 100 100	The state of the s	galler Tall Contract of the Assessment	Under Floor	The state of the s	The control of the co	ord Floor, Elevator jobby entrance, 1-0-7	3
SC121512	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black mastic	3rd Floor, Rm 339, FG-1-2	2
The second second	P. C. St. M. Michael St. Co. St. St. March and Association Control of Control	\$	Under Floor	and the control of the property of the propert	The state of the s	_ 5/4 / 150/, 14/1/ 555, 1 C-1-2	
118	Floor Tile Mastic	Black		Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	3rd Floor, RM. 347	2-5%
	The state of the s	1	Under Floor	t construction of the contract	office and material and an action and an experience of a material programme and a contract of the contract of	The second secon	
120	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	3rd Floor, RM. 347	;2-5%
	!	1	Under Floor	The second section of the second sections of the second sections of the second sections of the second sections of the second sections of the second sections of the second section sec	and the accommendation of the Commission and American and	The state of the s	., -, -, -, -, -, -, -, -, -, -, -, -, -,
SC121510	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black mastic	4th Floor, Rm 429M, CD-4-5	<1
	•	!	Under Floor	·	Marije, de compression de compression de la compressión de la compressión de compressión de compressión de la compressión del compressión de la compressión de la compressión de la compressión de la compressión de la compressión de la compressión de la compressión de la compressión de la compressión de la compressión de la compressión de la compressión	And the Color of t	
113	Floor Tile Mastic	White	Tile/Carpet	Floor Materials	FT Mastic, Black A/W FT11	4th Floor, RM. 453	1-2%
		1	Under Floor		ng menoni on some (an spinier Mineralli (districti di cu pel ngop ene conjunt Minerala and san a an some some some some some some some some	The process of the second of t	-
SC121506	Floor Tile Mastic	Black	'Tile/Carpet	Floor Materials	Black mastic	5th Floor, next to classroom, CD-6-7	3
			Under Floor	1	The state of the s	The state of the s	
109	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	FT Mastice Black, A/W FT10	5th Floor, RM. 574	ND
			Under Floor			A	
SC121508	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black mastic	5th Floor, west of 548B, BC-10-11	4
00404504	Floor Tile Adminis		Under Floor	<u></u>	1	1	
SC121504	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black mastic	6th Floor, Rm 636, CD-3-4	ND
60100100	Closs Tile Mantin	in	Under Floor				
SC122102	Floor Tile Mastic	Brown	Tile/Carpet	Floor Materials	Brown mastic	6th Floor, Rm 656, MN-4-6	ND
CC121E02	Floor Tile Mastis	Black	Under Floor	Ft	in the second se	1	
SC121502	Floor Tile Mastic	DIACK	Tile/Carpet	Floor Materials	'Black tile mastic	6th Floor, Rm 674, OP-10-11	ND
099	Floor Tile Mastic	N/A	N/A	Class Matarials	Electric Annual Annual Exp		1
	THOU THO MISSING	INO	,1WA	Floor Materials	Floor Tile Mastic, A/W FT9	6th Floor, RM. 687	3-4%

Table 5.2b

Summary of Bulk Sample Analyses For Asbestos Identification (PLM)

By Material Description

	ALCO EXAM	CO-KULSEY.	Secondary	De Transport	Notation Profession Nation		reserve to
Sample #	Material Description	Primary Description	Description	Material Type:	Sample In Container	General Location	× % Asbestos
00404440		1	Under Floor		i sometimes of the second seco	Contend Location 2 52 72 No. No.	1 Wanesios
SC121442	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black mastic	7th Floor, Rm 704, HI-10-11	3
093	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Massie Dissie Ann ETO 8 El Os		•
	The second secon	Total Street Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.	Under Floor	1 IOOI Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	7th Floor, RM. 714	2-5%
SC121438	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 803, KL-1-2	ND
			Under Floor	The state of the s	nder representation to the state of the stat	The state of the s	110
SC121435	Floor Tile Mastic	`Black	Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 809, NO-8-9	>1
SC121433	Floor Tile Mastic	Black	Under Floor	Floor Motor de la			:
	The state of the s	Diach	Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 815, KL-10-11	ND
071	Floor Tile Mastic	Brown	N/A	Floor Materials	Floor Tile Mastic, Brown	8th Floor, RM. 806	ND
	The state of the s	*	and the consequence of the control o	harring to be a control of the second	The second secon	Offi Hoof, Rivi. 600	ND
055	Floor Tile Mastic	Black	N/A	Floor Materials	Floor Tile Mastic, Black A/W FT4	8th Floor, RM. 843 Locker Room	ND
052C	Floor Tile Markin	in	Under Floor		and the state of the component of the co	en utriscitud tiber (mecenia inelitarian is) () compens (in) (a) mecenia mecenia (in) (mecenia)	
032C	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	8th Floor, RM. 848	1-2%
075	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mostie Black AAN ST7	i lou su su su	•
	The state of the s	1	Under Floor	i looi materiais	Floor Tile Mastic, Black A/W FT7	8th Floor, RM. 856	ND
077	Floor Tile Mastic	Black	Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT3	8th Floor, RM. 856	2-6%
			Under Floor	to to the common and	от при при при при при при при при при при	And the state of the control of the state of	
045	Floor Tile Mastic		Tlle/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	9th Floor, Hall outside RM. 951	ND
SC121423	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Class Mada dala			
00121420	TOOL THO MIGSTO	Diack	Under Floor	Floor Materials	Black mastic	9th Floor, Rm 900, EF-10-12	ND
SC121430	Floor Tile Mastic	Black		Floor Materials	Black mastic	Oth Floor Bm 035 KL 1 3	3
	The state of the s	* · * · · · · · · · · · · · · · · · · ·	Under Floor	MARINE TO THE PERSON OF THE PE	COLOR THOUGH COMMENSATION COLOR COLO	9th Floor, Rm 925, KL-1-3	3
042	'Floor Tile Mastic	Yellow	Tile/Carpet	Floor Materials	Floor Tile Mastic, Yellow A/W FT6	9th Floor, RM. 909	ND
0.42	Floor Tile Manage	L.,	Under Floor		. The state of the	princessalences de denotes senson este annotation per comparamente annotation per consideration of the contraction of the contr	de la compania
043	Floor Tile Mastic	Yellow	Tile/Carpet	Floor Materials	Floor Tile Mastic, Yellow A/W FT6	9th Floor, RM. 909	ND
047	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT7		
	openie – v manie na subjecti i distribuita de la seconda de la companie de la com	Commence of the commence of th	manus to the state of the state	The are was a mining an analysis and a mining a mining and a mining a m	FIOOI FIIG WIDSIIC, DIDCK A/VV FI/	19th Floor, RM. 933	5%
DH121404	Insulating Material	Brown	Need Attribute	Misc.	Insulation, wire, woven	15th Floor, Elevator Room	ND
2114244044		_	The state of the second st	n	hatiga ali taman sukanya astilalara mar y - ina dikambina tao idina a summinina taya asta haji antanga arawa i I	makes the most distinct the my transport is unstable to the distinction of months and the contract of the cont	i
DH121401A	Insulating Material	Brown	Need Attribute	Misc.	Insulation, wire, woven	1st Floor, SE Box	ND
DH121401B	Insulating Material	Black	Need Attribute	Adiaa			1
	Tributating material	OIBCK	IAGEN VIIIIINIIG	Misc.	Insulation, wire, black	1st Floor, SE Box	ND
DH121401C	Insulating Material	Tan	Need Attribute	Misc.	Insulation, wire, paper	1st Floor, SE Box	NO
	• · · · · · · · · · · · · · · · · · · ·	Andrew Commission of the Commi	to the control of the last the last to the control of the control	to the second design and the second s	CONTRACTOR OF THE CONTRACTOR O	TISE FIUUI, SE BUX	ND
DH121403A	Insulating Material	Beige	Need Attribute	Misc.	Insulation, wire, woven	Basement, SW Box	ND
DH121403B	Inculating Material	Dia eli	Marad Aught		With the second	At the second processing and the second proc	
	Insulating Material Layered Paper Insulation	Black Gray	Need Attribute	Misc.	Insulation, wire, black		ND
	=010:00 t abei monation	OIBY.	Need Attribute	TSI	Ducting blanket wrap	14th Floor, Mechanical Rm, 10.5-E	90
)18	Leveling Compound	Brown	N/A	Floor Materials	Floor Finish Compound, Brown	13th Floor	ND.
	The state of the s	Control of the contro		ner o deservation de la companyante de l'annue	Commission of the standard party for the standard party for the standard party of the st	FOR TO AND TO AND THE PROPERTY OF THE PROPERTY	ND
19	Leveling Compound	White	Need Attribute	Floor Materials	Floor Leveling Compound, White	3rd Floor, RM. 347	.ND

Table 5.2b
Summary of Bulk Sample Analyses For Asbestos Identification (PLM)
By Material Description

		· \$ 2 3 4 7 6	Secondary	*	Not the Control of th		
Sample #	Material Description	Primary Description		Material Type	Sample In Container	General Location	% Asbesto
053 .	Leveling Compound	White	Need Attribute Assoc, w/Foam	Floor Materials	Floor Leveling Compound, White	8th Floor, RM. 848	ND
010	Mastic	Black	Glass Insulation	Misc.	Black Tar A/W Foam Pipe Insulation	14th Floor	ND
009	Mastic	Black	N/A	Misc.	Black Mastic A/W Freezer Wall	14th Floor, Freezer Wall	ND
SC122902A	Mastic	Black -	Asphaltic	Misc.	Mastic, black tar-like	1st Floor, Men's Locker room AB-6.5-7	ND
SC121414	Pipe Insulation	Beige	N/A	TSI	Pipe insulation, beige	11th Floor, Hallway, AB-8-9	5/10
SC121427	Pipe Wrap	Cream	N/A	Misc.	Pipe wrap cream paint	9th Floor, North Hallway, MN-6-7	60
SC121420	Plaster	N/A	N/A	Wall/Ceiling Materials	Ceiling Material	19th Floor, HI-5-6	ND ND
008	Plaster	Gray	N/A	Wall/Ceiling Materials	Unfinished Ceiling Plaster, Gray	14th Floor, Above Celling	ND
SC122926	Plaster	Tan	Need Attribute	Wall/Ceiling Materials	Wall, granular	The second section of the section of the sect	
SC122902	Plaster	Gray	Need Attribute	Wall/Ceiling Materials	Plaster, gray	1st Floor, Gym, lower perimeter wall dome curb	ND
SC122103	Plaster	White	On Wall	Wall/Ceiling Materials	Plaster, spray applied	5th Floor, Pipe Chase Rm, FG-9-10	ND ND
101	Plaster	Gray	N/A	Wall/Ceiling Materials	Ceiling Plaster Finish, Troweled Acoustic Material	6th Floor, RM. 600	7-8%
102	Plaster	Gray	N/A	Wall/Ceiling Materials	Ceiling Plaster Finish, Troweled Acoustic Material	6th Floor, RM. 600	7-8%
100	Plaster	Gray	N/A ,	Wall/Ceiling Materials	Ceiling Plaster Finish, Troweled Acoustic Material	6th Floor, RM. 687	7-8%
DH010401	Plaster	White	On Wall	Wall/Ceiling Materials	Plaster below marble wainscott, white	7th Floor, D9	ND
SC122923	Plaster	Gray	Need Attribute	Wall/Ceiling Materials	Wall, granular	8th Floor, Rm 803 East wall K.5-N.5-1-3	ND
SC122924	Plaster	Beige	Need Attribute	Wall/Ceiling Materials	Wall, granular	8th Floor, Rm 803 North wall K.5-N.5-1-3	ND
SC122922	Plaster	Beige	Yellow	Wall/Celling Materials	Wall, granular	8th Floor, Rm 803 South wall K.5-N,5-1-3	ND
SC122925	Plaster	Yellow	Need Attribute	Wall/Celling Materials	Wall, granular	8th Floor, Rm 803 West wall K.5-N.5-1-3	ND
066	Plaster	Gray	N/A	Wall/Ceiling Materials	Unfinished Wall Plaster, Gray	8th Floor, Telephone Closet	ND ·
)20	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	1	ND
22B	Resilient Sheet Flooring	Brown	N/A	Floor Materials		13th Floor	ND '
21A	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	13th Floor, Hallway	ND
C122003	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring, continuous	1 14th Floor, MN-5	ND
C121308	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring material	15th Floor, 4.2-B-6.5-7	ND
C121522	Resilient Sheet Flooring	Green		Floor Materials	Green flooring	1st Floor, Trusty Sleep Area, NO-2-3	ND
C121444	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring	6th Floor, Rm 617, BD-6-7	ND

Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

		¥4.000 00 K	Secondary :				X50000 2000
Sample #	Material Description	Primary Description	Description	Material Type	Sample In Container	General Location	Asbestos
SC122101	Resilient Sheet Flooring	Brick Red	Under Floor Tile/Carpet	Floor Materials	Brick red floor sheeting under carpet	6th Floor, Rm 656, MN-4-6	ND
096 SC121443	Resilient Sheet Flooring Resilient Sheet Flooring	Red Black	N/A N/A	Floor Materials Floor Materials	Vinyl Sheet Flooring, Red Black continuous flooring	6th Floor, RM. 689 7th Floor, Rm 708.5, NO-11-12	ND ND
089	Resillent Sheet Flooring	Black	N/A	Floor Materials	Vinyl Sheet Flooring, Black, Battleship	7th Floor, RM. 749	ND
061	Resilient Sheet Flooring	Black	Gray	Floor Materials	Vinyl Sheet Flooring, Black, Battleship	8th Floor, AT 517	ND
062	Resilient Sheet Flooring	Tan	N/A	Floor Materials	Vinyl Sheet Flooring, Tan	8th Floor, AT 517	ND
065 SC121428	Resilient Sheet Flooring Resilient Sheet Flooring	Black Brown		Floor Materials	Vinyl Sheet Flooring, Black, Battleship	8th Floor, RM 831	ND
SC121421	Resillent Sheet Flooring	Red		Floor Materials	Brown flooring		ND
37	•	1100	INV	Floor Materials	Red Flooring	9th Floor, Rm 904, HI-7-8	ND
035	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	9th Floor, RM. 912	ND
034	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	9th Floor, RM. 914	ND
14 <mark>5</mark>	Roofing Adhesive	Black	Asphaltic	Roofing	Black Tar	15th Floor, West Overhang	ND
063	Sheet Flooring Adhesive	Brown	N/A	Floor Materials	Vinyl Sheet Flooring Mastic, Brown A/W VSF4 & 5	8th Floor, AT 517	ND
SC122904	Stair Tread	Black	Asphaltic	Floor Materials	Stair tread strip	12th Floor, Stairwell	ND
014	Stair Tread	Black	Asphaltic	Floor Materials	Stair Tread	13th Floor, Stairwell	ND
086	Stucco Material	N/A	Need Attribute	Wall/Ceiling Materials	Mortar	7th Floor, RM. 731, Mortar	ND
166	Stucco Material	Gray	Need Attribute	Wall/Ceiling Materials	Exterior Stucco, Gray	Parking Lot. Guard Shack	ND
167	Stucco Material	Gray	Need Attribute	Wall/Ceiling Materials	Exterior Stucco, Gray	Parking Lot. Guard Shack	ND
168	Stucco Material	Gray	Need Attribute	Wall/Ceiling Materials	Exterior Stucco, Gray	Parking Lot, Guard Shack	ND
019	Textured Coating	Gray	Speckled	Wall/Ceiling Materials	Wall Texture Coat, Gray Specked	13th Floor	ND
003	Wall System Composite	White	N/A	Wall/Ceiling Materials	Wall System Composite, White	14th Floor	ND
107	Wall System Composite	White	Need Attribute	Wall/Ceiling Materials	Wall System Composite, White	5th Floor, RM. 531	Trace
124	Wallboard	White	N/A	Wall/Celling Materials	Wall Sheetrock, White	And the second s	ND
094	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	1 Aug. 1	ND
090	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	7th Floor, RM. 749	ND
081	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	8th Floor, RM. 851	ND

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Table 5.2b Summary of Bulk Sample Analyses For Asbestos Identification (PLM) By Material Description

	Material Description		Secondary				%
∵Sample #	Material Description	Primary Description	Description : *	Material Type	Sample in Container	General Location	Asbestos
125	Wallboard Joint Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	3rd Floor, RM. 354	ND
095	Wallboard Joint Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	7th Floor, RM. 717	ND
091	Wallboard Joint Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	7th Floor, RM. 749	ND
082	Wallboard Joint Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	8th Floor, RM. 851	.ND
139	Waterproofing @ Roof Equip.	Black	Gray	Roofing	Roof Penetration Sealant, Black/Gray	Roof	6-18%
140	Waterproofing @ Roof Equip.	Black	Gray	Roofing	Roof Penetration Sealant, Black/Gray	Roof	.6-18%
141	Waterproofing @ Roof Equip.	Black	Gray	The state of the s	Roof Penetration Sealant, Black/Gray	Roof	6-18%
144	Waterproofing @ Roof Equip.	Black	Gray		Roof Penetration Sealant, Black/Gray	Roof. 5th Floor	6-18%

Table 5.3a Summary of Material Sample Analyses For Lead By Floor

Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	DDW1
				I Material Type	Oystem Mame	- Sample III Container	15th Floor, West	PPM Lead
SC1229QC06_	Paint	Beige	įQ.C.	Misc.	Wall	Paint, beige line	wall DE-1.2	19000
00404404			•			Shower Floor ceramic	15th Floor, Shower	
SC121401	Ceramic Tile	White	Floor	Misc.	Floor	white tile	HI-10-11	-20
00404000		1_			1	Shower wall green	The state of the s	<u> </u>
SC121309	Ceramic Tile	Green	Wall	Misc.	Wall	ceramic tile	15th Floor, Shower	950
00404007			•	į		Greyish paint off	15th Floor, Mech	
SC121307	Paint	Gray	N/A	Misc.	NEED CODE	equipment	Penthouse	3600
00404400						Exterior window bar	15th Floor, Exterior	
SC121402	Paint	Dark Gray	Exterior	Misc.	Wall	paint	window, GH-8-9	0
004000000		<u></u>					15th Floor, East wall	
SC1229QC05	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige line	GH-11.8	9300
204000000		_		1			14th Floor, West	
SC1229QC07	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	wall O-0.8/1.2	4600
		_					14th Floor, West	
SC1229QC08	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	wall M-6-6.5	28000
					·		14th Floor, West	Control of the Property of the Price of the State of the
SC1229QC09	Paint	Blue	Q.C.	Misc.	Wall ·	Paint, blue	wall B.5/11-12	950
								tyri-m Amerikanin yangang is permulaun kenin 1965 paga
			•			Brownish wall ceramic		
0040440	!	_		•		tile, wall under		•
SC121407	Ceramic Tile	Brown	Wall	Misc.	Wall	bathroom counter	14th Floor, OP-2-3	100
00101100		_			•	"marble pattern"		and the appropriate and a state of the state
SC121409	Ceramic Tile	Green	Marble Pattern	Misc.	Floor	Green tile	14th Floor, MN-5.5-6	2500
	_			÷		Green Spotted Wall		
SC121403	Ceramic Tile	Green	Wall	Misc.	Wall	ceramic Tile	14th Floor, HI5-5.5	450
	_		~			Hexagon Tile in Dental		
SC121411	Ceramic Tile	White	N/A	Misc.	Floor	office	Office, OP-11-13	. 20
						Paint, cell wall, metal,	12th Floor, IJ-11-	
SC1229QC11	Paint .	Beige	Q.C,	Misc. ·	Wall	beige	11.8	49000
•			•				12th Floor, Far	
						,	North East corner O-	
SC1229QC10	Paint	Gray	Q.C.	Misc.	NEED CODE	l	0.8	4900

Table 5.3a Summary of Material Sample Analyses For Lead By Floor

	· · · · · · · · · · · · · · · · · · ·					*		
Sample #	Material Description	Primary Description	Secondary · · · · Description · · ·	Material Type	System Name	Sample In Container	General Location	PPM Lead
	Table of the same					Black Stairwell Fascia,	-	
			Para			Black layer on cross	11th Floor, Stairwell,	
SC121416	Paint	Black	N/A	Misc.	Floor *	section of floor	HI-11-12	2400
						Paint, metal stairway	11th Floor, Stairway	
SC1229QC14	Paint	Gray	Q.C.	Misc.	NEED CODE	door, gray	door A-A0.5/10.8-11-	34000
	!					Red paint on stairs	11th Floor, Stairs,	
SC121417	Paint	Red	N/A	Misc.	Floor	and outline	JK-1-2	1080
0040000040							11th Floor, Shower	
SC1229QC12	Ceramic Tile	White	Q.C.	Misc.	Wall	Tile, ceramic, white	GH-5.5-7.5	80
00404445				•			11th Floor, Hallway,	
SC121415	Paint	Dark Gray	N/A	Misc.	NEED CODE	Grey cell bar paint	AB-8-9	10500
0040000040						Paint, cell wall, metal,	11th Floor, A.2B/1.2-	
SC1229QC13	Paint	Gray	Q.C.	Misc.	Wall	gray	2	3900
					4		10th Floor, Rm	
0010000010	Dalat						1077, south wall A-	*
SC1229QC16	Paint	Green	Q.C.	Misc.	Wall	Paint, green	A.2/4-4.5	62000
							10th Floor, Rm	
504000045	Delet	_	,	··			1077, east wall A-	
SC1229QC15 SC121419	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	A.2-5-6	86000
TOTAL SERVICE	Ceramic Tile	Brown	Floor	Misc.	Floor	2"x8" ceramic tile	10th Floor, HI-5-6	2500
SC121418	Ceramic Tile	Green	Floor .	Misc.	Floor	Small ceramic tile	10th Floor, GH-3-4	0
0040000047	Delicat						10th Floor, ceiling HI	
SC1229QC17	Paint	Beige	Q.C.	Misc.	Ceiling	Paint, beige, ceiling	1-3	180000
			·					
50101404	Doint	Daine	0.5111.5				9th Floor, Women's	
SC121424	Paint	Beige	Ceiling	Misc.	Ceiling	Paint on ceiling hatch	Bathroom, IJ-8-9	7000
0012200010	Doint	Daine					9th Floor, South wall	
SC1229QC19	Paint	Beige	Q.C.	Misc.	Wall		B.4C-6-7	69000
SC10140E	Coromio Tile	Desire	·				9th Floor, Rm 915,	
SC121425	Ceramic Tile	Brown	Wall	Misc.	Wall	ceramic tile	OP-10-11	
60101406	Coronia Tila	A T:1-				i	9th Floor, Rm 915,	
SC121426	Ceramic Tile	Accent Tile	N/A	Misc.	Floor	2nd Bathroom oval tile	OP-10-11	

Table 5.3a Summary of Material Sample Analyses For Lead By Floor

∜Sample #	Material Description	Primary Description	1997年9月 1997年 - 1997年9日 1997年 - 1997	Material Type	System Name	Sample In Container	General Location	PPM Lead
SC1229QC18	Paint	White		Misc.	Wall		9th Floor, North wall OP-1-2	
SC1229QC20	Paint	White	Q.C.	Misc.	Wall	Paint, white	8th Floor, RM 815 South wall KL-11-12	2500
SC121436	Ceramic Tile	Yellow	Wall	Misc.	Wall	Bathroom wall ceramic tile 4"x4" yellowish	8th Floor, Rm 811, NO-8-7	47
SC121439	Ceramic Tile	Brown	Floor	Misc.	Floor	3"x6" ceramic tile brown	8th Floor, Rm 806, FH-2-3	30
SC121440	Ceramic Tile	Yellow -	N/A	Misc.	Wall	3"x6" ceramic tile mustard	8th Floor, Rm 806, FH-2-3	160
SC121445	Ceramic Tile	Pink	Wall	Misc.	Wall	Bathroom pink ceramic wall tile	6th Floor, Rm 607, Bathroom, CD-9-10	6300
SC121446	Ceramic Tile	Pink	Floor.	Misc.	Floor	Bathroom pink and white floor ceramic tile	6th Floor, Rm 607, Bathroom, CD-9-10	20
SC121447	Ceramic Tile	Light Green	Wall	Misc.	Wall	Bathroom lime ceramic wall tile	6th Floor, Rm 607, Bathroom, CD-9-10	3100
SC121448	Ceramic Tile	Light Green	Wall	Misc.	Floor	Bathroom lime and white ceramic small floor tile	6th Floor, Rm 607, Bathroom, CD-9-10	20
			, , , , , , , , , , , , , , , , , , ,		; :	Beige Spotted wall	6th Floor, Bathroom in front of Rm 602,	·
SC121449	Ceramic Tile	Beige	Wall	Misc.	Wall	ceramic tile	GH-8-10	.180
SC121450	Ceramic Tile	Beige	Floor	Misc.	Floor	Beige small floor ceramic tile	6th Floor, Bathroom in front of Rm 602, GH-8-10	20
SC122201	Ceramic Tile	Green	Floor	Misc.	Floor	Ceramic floor tile, green	4th Floor, Bathroom, NO-9-10	9
SC122202	Paint	Gray	Wall	Misc.		Ceramic wall tile, bluish/grey	4th Floor, Bathroom, NO-9-10	1500

Table 5.3a / Summary of Material Sample Analyses For Lead By Floor

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				•				
Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample in Container	General Location	PPM Lead
		Moderate			- Cyclon Hanne	Campioniticontainer	[General Location	FFIVELEAU
DH121802	Dust/Debris	Accumulation	Need Attribute	Misc.	Floor	Dust on Paper	3rd Floor, M/8	o
					and the same of th	48 48 4		**************************************
SC121513	Ceramic Tile	Silver	Wall	Misc.	Wall	4"x4" blue grey wall	2nd Floor, Rm 263	
Control of the Contro	and the second and the second		77011	TIVIISC.	vvali	ceramic tile	Bathroom, OP-10-11	20
						Small grey ceramic	2nd Floor, Rm 263) 1
SC121514	Ceramic Tile	Gray	Floor	Misc.	Floor	floor tile	Bathroom, OP-10-11	20
					****		2nd Floor, Main	20
SC121517	Stain Glass Joining	Gray	Metallic .	Misc	Wall	Stained glass joints	lobby, GH-5-6	490000
						The same of the sa		
00404540						4"x4" green ceramic	1st Floor, Trusty	· i
SC121519	Ceramic Tile	Green	Wall	Misc.	Wall	wall tile	Sleep Area, OP-2-3	. 80
				i				,
SC121520	Ceramic Tile	Green	F1			2"x2" green ceramic	1st Floor, Trusty	
	Ceramic The	Gieen	Floor	Misc.	Floor	floor tile	Sleep Area, OP-2-3	20
		e Para di Maria		Floor				
SC121521	Floor Coating	Green	N/A	Materials	Floor	Green flooring	1st Floor, Trusty	
THE P. S. L. AMERICAN S. L. SECTION IS A 2015 OF THE COMPANY OF THE PARTY.				1	1 1001	Exterior window	Sleep Area, NO-2-3	20
SC121304	Paint	Green	N/A	Misc.	Wall	Frame - Green paint	1st Floor, Rm 109	99000
			THE THE PARTY OF T	THE STATE OF STREET, CAN ASSESSED ASSES	The second secon	The state of the s	1st Floor, Interior	99000
		•			•		driveway ramp, east	
SC122903	Paint	Beige	Q.C.	Misc.	NEED CODE	Interior ramp	wall NO-7	3200
D11400004		a company of the comp			,	Insulation, lead	***************************************	
DH122801	Jacket Insulation	Black	Need Attribute	TSI	NEED CODE	shielded cable, black	1st Floor, B7/10.3	3
SC121301	Deint						Basement,	***************************************
30121301	Paint	Green	N/A	Misc.	NEED CODE	stand - green paint	Generator Rm	66000
	4 4 5 1	u				Generator equipment		
SC121302	Paint	Dark Green	N/A .	Mino	NEED CODE	stand - darkish green	Basement,	. [
MATERIAL A CAMBRICA TO LINE COMMISSION	The second desired the second	Dark Gleen	IV/A	Misc.	NEED CODE	paint	Generator Rm	49000
SC121303	Paint	Red	N/A	Misc.	Floor	Concrete equipment	Basement,	
	4	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	11//1	IVIIOC.	FIUUI .	pad - red paint	Generator Rm	11000

- Sample #ஃ	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
SC121301	Paint	Green	N/A	Misc.	NEED CODE	Generator equipment stand - green paint	Basement, Generator Rm	66000
Programme Service Communication of the Communicatio	morning the country of the second of the country of		M. V. C. C. Charles and in commence of the contract of the con	111100.	THEED GODE	Generator equipment		00000
				,		stand - darkish green		
SC121302	Paint	Dark Green	N/A	Misc.	NEED CODE	paint	Generator Rm	49000
M. 55. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17		and the same that the same and	AND A STATE OF THE PROPERTY OF	***************************************		Concrete equipment	Basement,	
SC121303	Paint	Red	N/A	Misc.	Floor	pad - red paint	Generator Rm	11000
		:	•			Exterior window	1	The state of the s
SC121304	Paint	Green	N/A	Misc.	Wall	Frame - Green paint	1st Floor, Rm 109	99000
						Greyish paint off	15th Floor, Mech	
SC121307	Paint	Gray	N/A	Misc.	NEED CODE	equipment	Penthouse	3600
						Shower wall green	15th Floor,	Andread Maria and an angle of the second
SC121309	Ceramic Tile	Green	Wall	Misc.	Wall	ceramic tile	Shower	950
0040440				-		Shower Floor	15th Floor,	
SC121401	Ceramic Tile	White	Floor	Misc.	Floor	ceramic white tile	Shower HI-10-11	-20
							15th Floor,	
80101400	Datas	D -1-0				Exterior window bar	Exterior window,	
SC121402	Paint	Dark Gray	Exterior	Misc.	Wall .	paint	GH-8-9	0
SC121403	Coromio Tilo	0	5 A 4 - 10	1	İ	1	14th Floor, HI5-	•
30121403	Ceramic Tile	Green	Wall	Misc.	Wall	ceramic Tile	5.5	450
		. *	•			Brownish wall		
		•				ceramic tile, wall		
SC121407	Ceramic Tile	Brown	10/-11		1	under bathroom	14th Floor, OP-2-	
30121407	Ceramic The	DIOWII	Wall ·	Misc.	Wall	counter	3	100
SC121409	Ceramic Tile	Green	Marble Pattern	Mine		"marble pattern"	14th Floor, MN-	
00121403	Ceramic me	Olecii	Iviarble Fallerii	Misc.	Floor	Green tile	5.5-6	2500
						Havean Tile in	AAR Floor Donald	`
SC121411	Ceramic Tile	White	N/A	Misc.	Floor	Hexagon Tile in	14th Floor, Dental	
00121411	Ceramic Tile	vviille	IN/A	IVIISC.	Floor	Dental office ·	Office, OP-11-13	20
SC121415	Paint	Dark Gray	N/A	Misc.	NEED CODE	Cray call has paint	11th Floor,	10500
7 7 7 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	[1 0]11	Dark Gray		IVIISC.	INCED CODE	Grey cell bar paint Black Stairwell	Hallway, AB-8-9	10500
						Fascia, Black layer	11th Floor.	
	•		-			on cross section of	Stairwell, HI-11-	
SC121416	Paint	Black	N/A	Misc.	Floor	floor	12	2400
Towns and a summary when the whole		1	1 1// 1	TYNOO.	1 1001	Red paint on stairs	11th Floor, Stairs,	2400
SC121417	Paint	Red	N/A	Misc.	Floor	and outline	JK-1-2	1080
			31.11.1	inioo.	31 1001	jana outime	1011-1-2	1000

🛶 🏬 Sample # 🎨 🦃	Material Description	Primary Description	Secondary Description		System Name	Sample In Container	General Location F	PPM Lead
					į		10th Floor, GH-3-	
SC121418	Ceramic Tile	Green	Floor	Misc.	Floor	Small ceramic tile	4	. 0
SC121419	Ceramic Tile	Brown	Floor	Misc.	Floor	2"x8" ceramic tile	10th Floor, HI-5-6	2500
					***************************************	The second section and an arrangement and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a second section and a	9th Floor,	raman mengani di badi yapar
SC121424	Paint	Beige	Ceiling	Misc.	Ceiling	Paint on ceiling hatch	Women's	7000
	t to the second of the second	***************************************			19	4"x4" Brownish wall	9th Floor, Rm	
SC121425	Ceramic Tile	Brown	Wall	Misc.	Wall	ceramic tile	915, OP-10-11	
00404400	1					2nd Bathroom oval	9th Floor, Rm	
SC121426	Ceramic Tile	Accent Tile	N/A	Misc.	Floor	tile	915, OP-10-11	
		1			:	Bathroom wall		
SC121436	Coromio Tilo	Vallan	1 A 1 - 11			ceramic tile 4"x4"	8th Floor, Rm	•
30121430	Ceramic Tile	Yellow	Wall	Misc.	Wall	yellowish	811, NO-8-7	47
SC121439	Ceramic Tile	Brown	Floor	1	 	3"x6" ceramic tile	8th Floor, Rm	
	Ceramic The	DIOWII	Floor	Misc.	Floor	brown	806, FH-2-3	30
SC121440	Ceramic Tile	Yellow	N/A	Misc.	Wall	3"x6" ceramic tile	8th Floor, Rm	
tar one almost subsequent subsequent subsequent	TO THE COMMENT OF THE WAY WAY TO THE	TO COLORA	111/7	IVIISC.	vvali	mustard	806, FH-2-3	160
				1		Dethus are missis	6th Floor, Rm	
SC121445	Ceramic Tile	Pink	Wall	Misc.	Wall	Bathroom pink	607, Bathroom,	0000
A7. W WAREN W. C. STANDARD CONTRACTOR COMPANY CO.			YYCII	IIVIISC.	Ivvaii	ceramic wall tile	CD-9-10	6300
-			·.			Bathroom pink and white floor ceramic	6th Floor, Rm 607, Bathroom,	
SC121446	Ceramic Tile	Pink	Floor	Misc.	Floor	tile	CD-9-10	20
n). All collection and have in adjustment on addition that the collection of the design of the collection collections and the collection of the collection o				1	1 1001	i iii e	6th Floor, Rm	20
						Bathroom lime	607, Bathroom,	
SC121447	Ceramic Tile	Light Green	Wall	Misc.	Wall	ceramic wall tile	CD-9-10	3100
				<u> </u>		Bathroom lime and	6th Floor, Rm	
•	'					white ceramic small	607, Bathroom,	
SC121448	Ceramic Tile	Light Green	Wall	Misc.	Floor	floor tile	CD-9-10	20
							6th Floor,	
				~			Bathroom in front	
00404440						Beige Spotted wall	of Rm 602, GH-8-	
SC121449	Ceramic Tile	Beige	Wall	Misc.	Wall	ceramic tile	10	180
							6th Floor,	
							Bathroom in front	
SC121450	Coromio Tilo	Doine				Beige small floor	of Rm 602, GH-8-	
30121430	Ceramic Tile	Beige	Floor	Misc.	Floor	ceramic tile	10	20

⊁ ≪ Sample # 🚈	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
		ŧ					2nd Floor, Rm	
SC121513	Ceramic Tile	Ciluar	10/-11	 		4"x4" blue grey wall	263 Bathroom,	
00121010	Ceramic The	Silver	Wall	Misc.	Wall	ceramic tile	OP-10-11	20
		: !	•				2nd Floor, Rm	
SC121514	Ceramic Tile	Gray	Elect	 A 4 := =		Small grey ceramic	263 Bathroom,	
		Olay	Floor	Misc.	Floor	floor tile	OP-10-11	20
SC121517	Stain Glass Joining	Gray	Metallic	Misc	Wall	Stained glass joints	2nd Floor, Main	400000
Market (20 to 10 1 1) and a second of the control			1410101110	1	Ivvaii	Stained glass joints	lobby, GH-5-6 1st Floor, Trusty	490000
						4"x4" green ceramic	Sleen Area OP-2	
SC121519	Ceramic Tile	Green	Wall	Misc.	Wall	wall tile	3	80
A CONTRACTOR OF THE CONTRACTOR	The same of the foreign of the same selection and the same selection of the same selecti	distriction of the statement of the stat	annumbersam Maria maddel ; della di sa benniarany emitrapa cepanga			**************************************	1st Floor, Trusty	
	,	l			1 .	2"x2" green ceramic	Sleep Area, OP-2-	
SC121520	Ceramic Tile	Green	Floor	Misc.	Floor	floor tile	3	20
	•		······································	ļ.			1st Floor, Trusty	
							Sleep Area, NO-2-	
SC121521	Floor Coating	Green	N/A	Floor Materials	Floor	Green flooring	3	20
	• •			**************************************		emmet mennes, - servensestre die ser nere Targene in seet au ausse	4th Floor,	Pmr at 1 - 100 million 10 a .
			·			Ceramic floor tile,	Bathroom, NO-9-	
SC122201	Ceramic Tile	Green	Floor	Misc.	Floor	green	10	9
			,	To the state of th			4th Floor,	***************************************
SC122202	Delet					Ceramic wall tile,	Bathroom, NO-9-	•
30122202	Paint ·	Gray	Wall	Misc.	Wall	bluish/grey	10	1500
•	•						1st Floor, Interior	
SC122903	Paint	Poico	0.0	,	NEED 000-		driveway ramp,	
00122903	raiii	Beige	Q.C.	Misc.	NEED CODE	Interior ramp	east wall NO-7	3200
SC1229QC05	Paint	Beige	Q.C.	Misc.	Wall	Datable atom the	15th Floor, East	
THE COURSE OF THE PARTY OF THE		Doigo		IVIISC.	Ivvaii	Paint, beige line	wall GH-11.8	9300
SC1229QC06	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige line	15th Floor, West wall DE-1.2	40000
er i de de de de de de de de de de de de de	and and a separate in high the retainment of the second section of the section of the second section of the section of the second section of the sect			1711001	Ivvan	r ant, beige ine	14th Floor, West	19000
SC1229QC07	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	wall O-0.8/1.2	4600
					1	r ant, tan	14th Floor, West	4000
SC1229QC08	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	wall M-6-6.5	28000
			,		1		14th Floor, West	20000
SC1229QC09	Paint	Blue	Q.C.	Misc.	Wall	Paint, blue	wall B.5/11-12	950
			/				12th Floor, Far	
v	•						North East corner	
SC1229QC10	Paint	Gray	Q.C.	Misc.	NEED CODE	Paint, cell bar, gray	0-0.8	4900

⊶ *Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
	•					Paint, cell wall, metal,		
SC1229QC11	Paint	Beige	Q.C.	Misc.	Wall		11.8	49000
							11th Floor,	girtustas sagtuningings (- t.g., 1971 (1971)) T.
0040000040			•				Shower GH-5.5-	
SC1229QC12	Ceramic Tile	White	Q.C.	Misc.	Wall	Tile, ceramic, white	7.5	80
0040000040						Paint, cell wall, metal,	11th Floor,	1 · · · · · · · · · · · · · · · · · · ·
SC1229QC13	Paint	Gray	Q.C.	Misc.	Wall	gray .	A.2B/1.2-2	3900
							11th Floor,	1
0040000044	.					Paint, metal stairway	Stairway door A-	3
SC1229QC14	Paint	Gray	Q.C.	Misc.	NEED CODE	door, gray	A0.5/10.8-11-	34000
				1			10th Floor, Rm	
CC40000045	0	_					1077, east wall A-	
SC1229QC15	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	A.2-5-6	86000
							10th Floor, Rm	1
0040000040	ļ. D!		· _ ·	1 ₀	'		1077, south wall	? !
SC1229QC16	Paint	Green	Q.C.	Misc.	Wall	Paint, green	A-A.2/4-4.5	62000
SC1229QC17	Dalas	D - !		Ì			10th Floor, ceiling	
3012290017	Paint	Beige	Q.C.	Misc.	Ceiling	Paint, beige, ceiling	HI-1-3	180000
SC1229QC18	Delet	1 4 11 - 11 -			1		9th Floor, North	
3012290010	Paint	White	Q.C.	Misc.	Wall	Paint, white	wall OP-1-2	2400
SC1229QC19	Paint	Daire					9th Floor, South	
3C 1229QC 19	raint	Beige	Q.C.	Misc.	Wall	}	wall B.4C-6-7	69000
							8th Floor, RM 815	
SC1229QC20	Doint	1\A/\=!4=		İ			South wall KL-11-	
301229QC20	Paint	¿White	Q.C.	Misc.	Wall	Paint, white	12	2500
DH121802	Dunt/Dahaia	Moderate						
DD 121002	Dust/Debris	Accumulation	Need Attribute	Misc.	Floor	Dust on Paper	3rd Floor, M/8	0
•						laandattaa laad		
DH122801	Jacket Insulation	Black	Need Attribute	TSI	NEED CODE	Insulation, lead	4	
	,odokot iribalation	; DIGON	INCCO VIIIDUIG	1131	NEED CODE	shielded cable, black	1st Floor, B7/10.3	3

TABLE 6.1 – APPLICABLE REGULATIONS FOR ABATEMENT MATERIALS

Material	Regulation/Comments
Asbestos	 CCR Title 8 Section 5194 "Hazard Communication"
	(contractor should be notified of the presence of asbestos)
	 CCR Title 8 Section 1529 Asbestos. "Construction Safety
	Orders"
	 CCR Title 8 Section 5208. Asbestos. "General Industry
	Safety Orders"
	 CCR Title 17 and CCR Title 8 Section 1529 for disposal
	South Coast Air Quality Management District
	(SCAQMD) Rule 1403
Lead	 CCR Title 8 Section 1532.1 Construction Safety Orders
	 CCR Title 8 Section 5194 "Hazard Communication"
	 CCR Title 8 Section 5216. Lead "General industry Safety
***	Orders"
	CCR Title 17 Section 6626.1
PCBs	 CCR Title 22 Section 66261.24
	• CCR Title 22 Section 66261.113
	 Toxic Substance Control Act, subsection 761.123
Mercury	CCR Title 22 Section 66261 et. al.
	CFR Title 40 Section 260 et. al.
Bio-Hazardous	CCR Title 8 Section 5193
	CCR Title 8 Section 3362 "General Sanitation
	Requirements"
Pigeon Feces and Dead	 CCR Title 8 Section 3362 "General Sanitation
Vermin	Requirements"
Mold	 CCR Title 8 Section 3362 "General Sanitation
	Requirements"
Refrigerants	 CCR Title 22 Section 66273
	CFR Title 40 Section 273
Arsenic	CCR Title 8 Section 5214

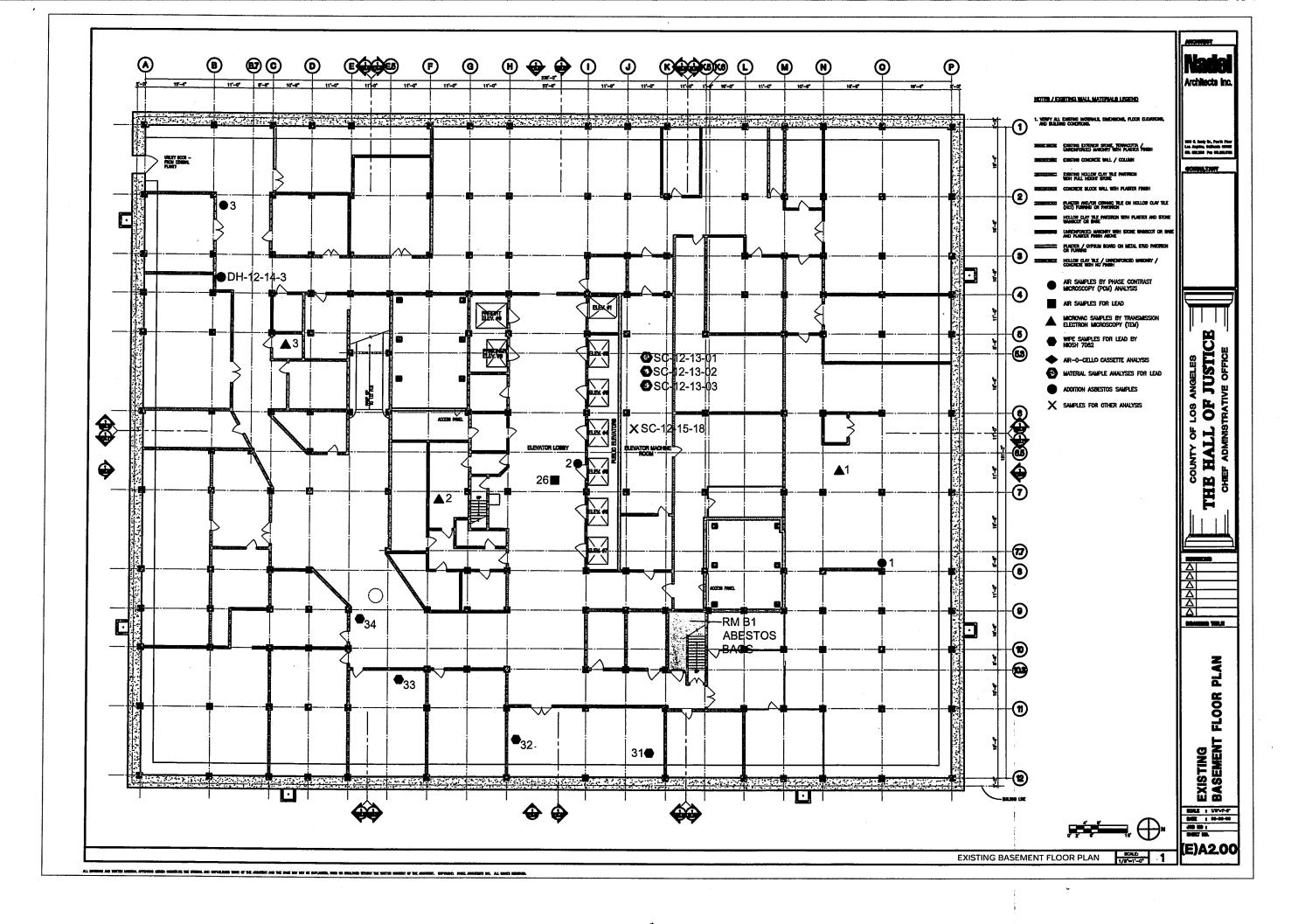
TABLE 7.1 - OPINION OF COST

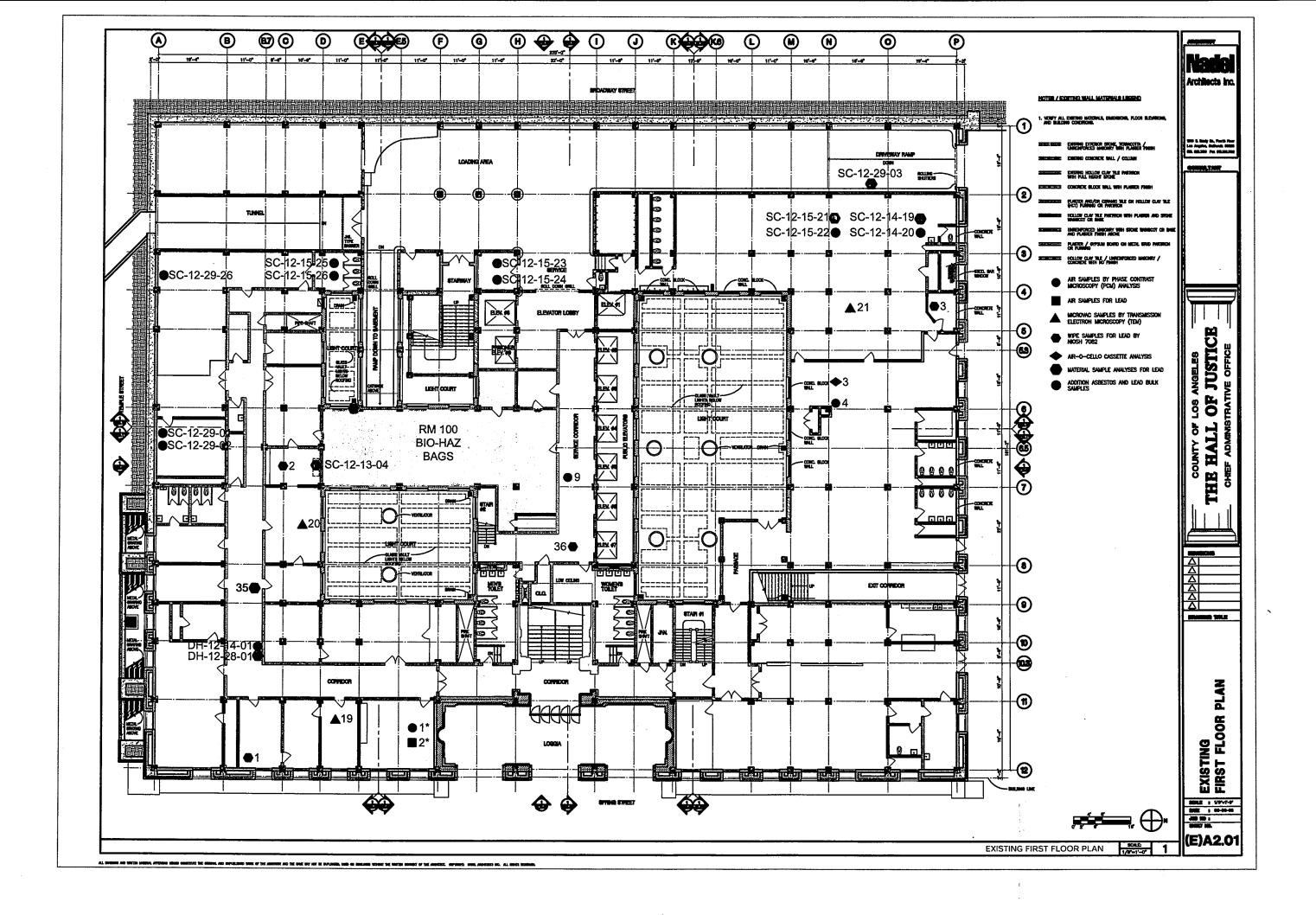
\$3,546,000	Grand Total	
\$322,350	10% contingency	
\$3,223,500	Subtotal	
\$21,000	310 each	AC Window Units
\$60,500	Throughout	Lights and ballasts
\$25,000	Throughout	Pigeon Feces and Dead Vermin
		piping
\$125,000	Throughout	Mechanical (HVAC) structures, including
\$1,497,000	Throughout	Paint on plaster walls and ceilings
\$375,000	Throughout	Glaze on clay tile
\$525,000	Throughout	All metal components, jail cells
\$3,500	2,000 sf	Wall Plaster Finish,
\$5,500	2 each	Tank Insulation
\$119,000	33,500 sf	Ceiling Plaster, 6 th and 14 th Floor
\$126,000	19,000 If	Pipe Insulation
\$6,000	1,000 sf	Duct Insulation
\$335,000	132,400 sf	Floor Tile and Mastic (including mercury)
Opinion of Cost	Quantity	Removal Item

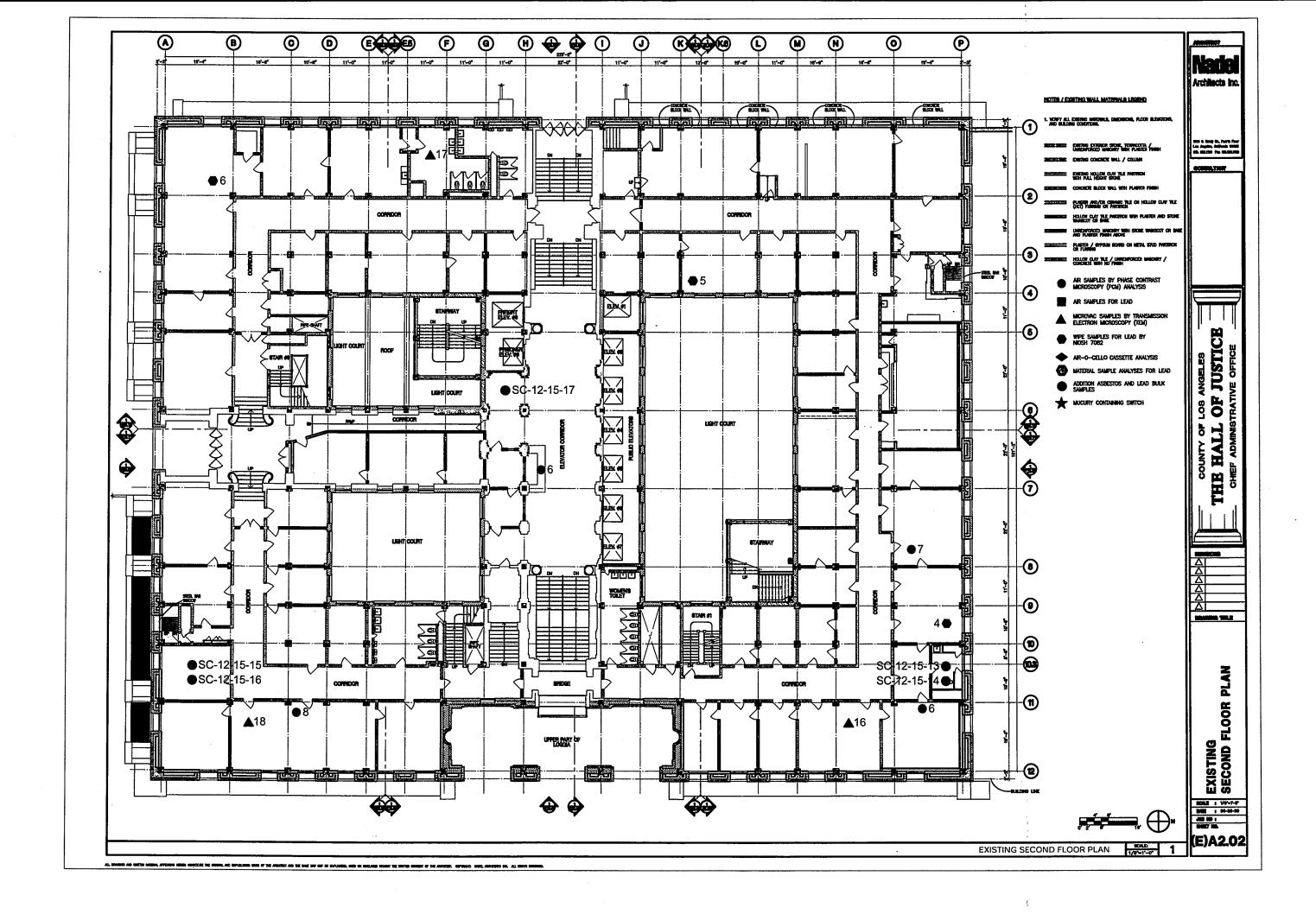
TABLE 7.2 – OPINION OF COST, ALTERNATIVES:

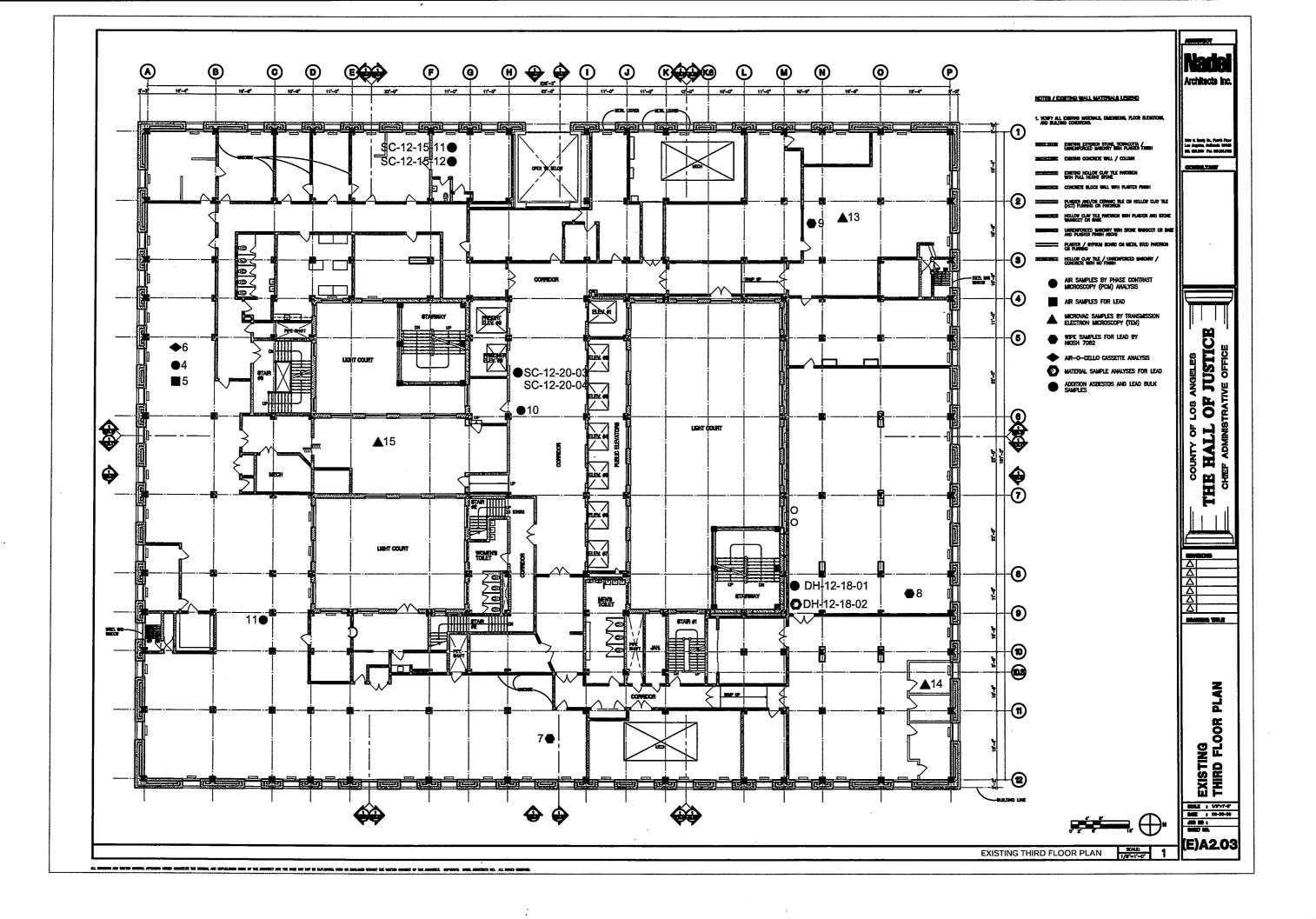
1. Removal all roofing down to structure
2. Remove loose, flakey paint and encapsulate windows \$445,000
3. Strip paint from window surfaces\$659,000
4. Completely scaffold the exterior (not courtyard). Cost assumes that they set 2 sides at a time and "leapfrog" \$584,000 around. Price includes 30 days rental

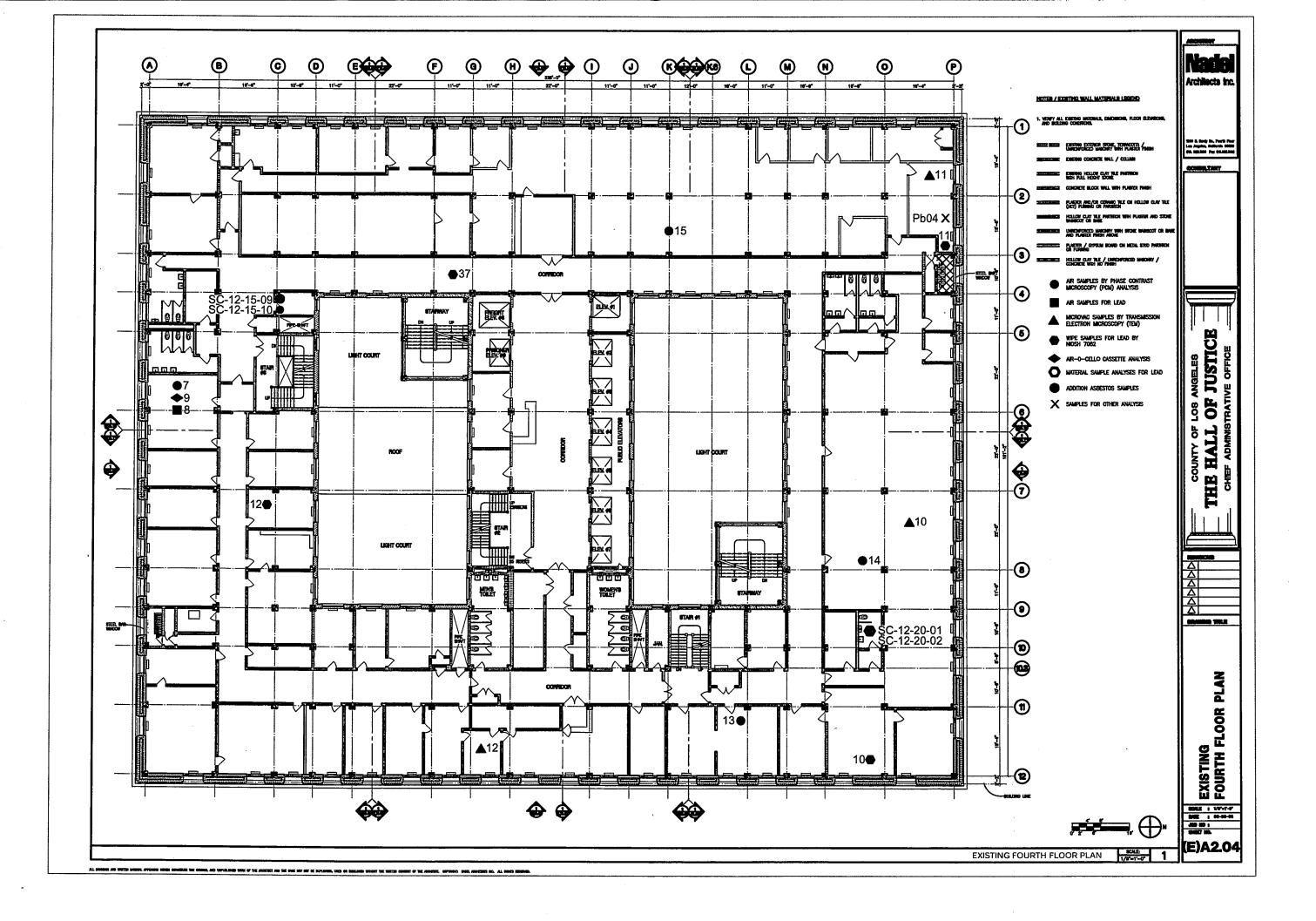
APPENDIX A
FIGURES WITH SAMPLE LOCATIONS

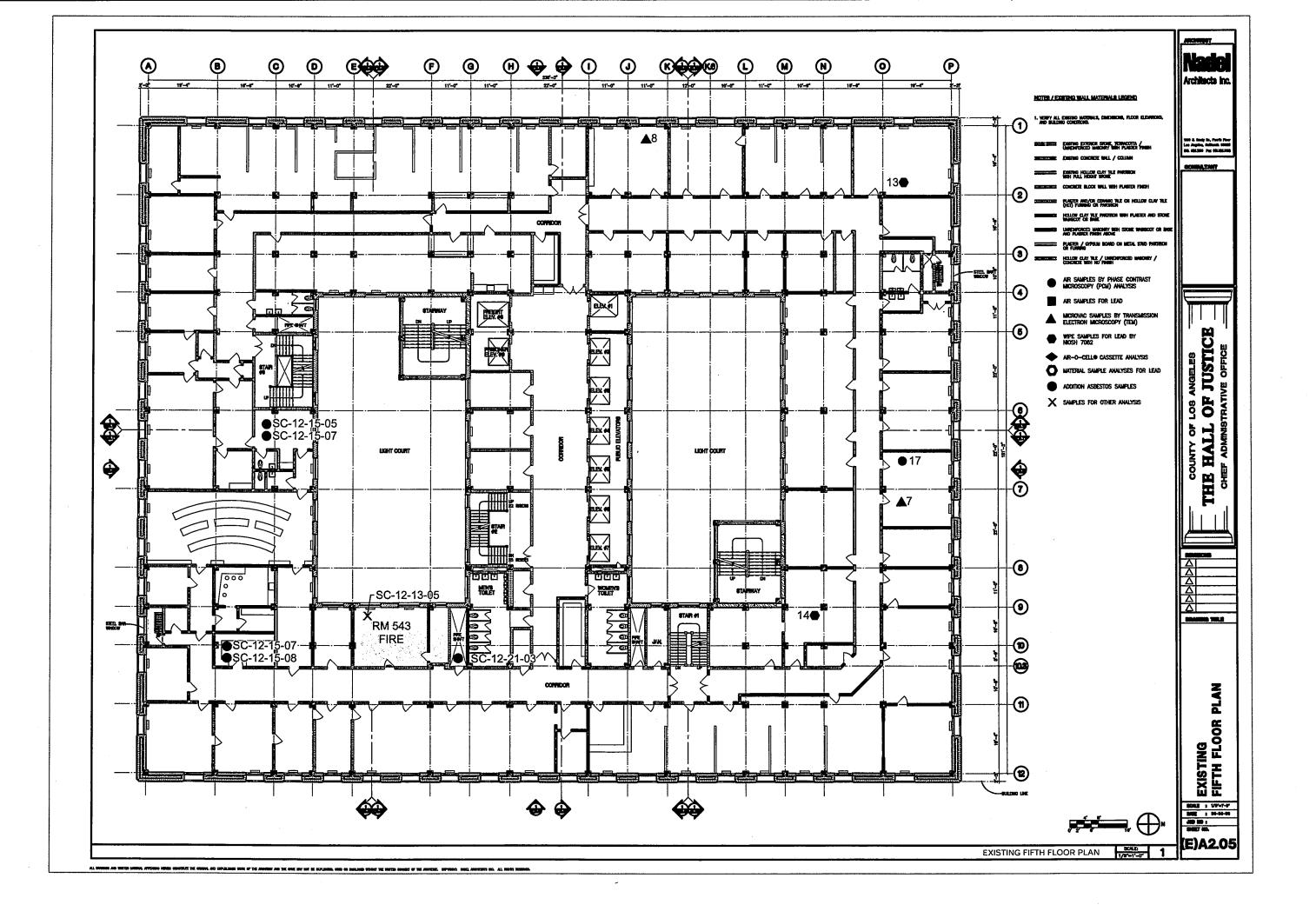


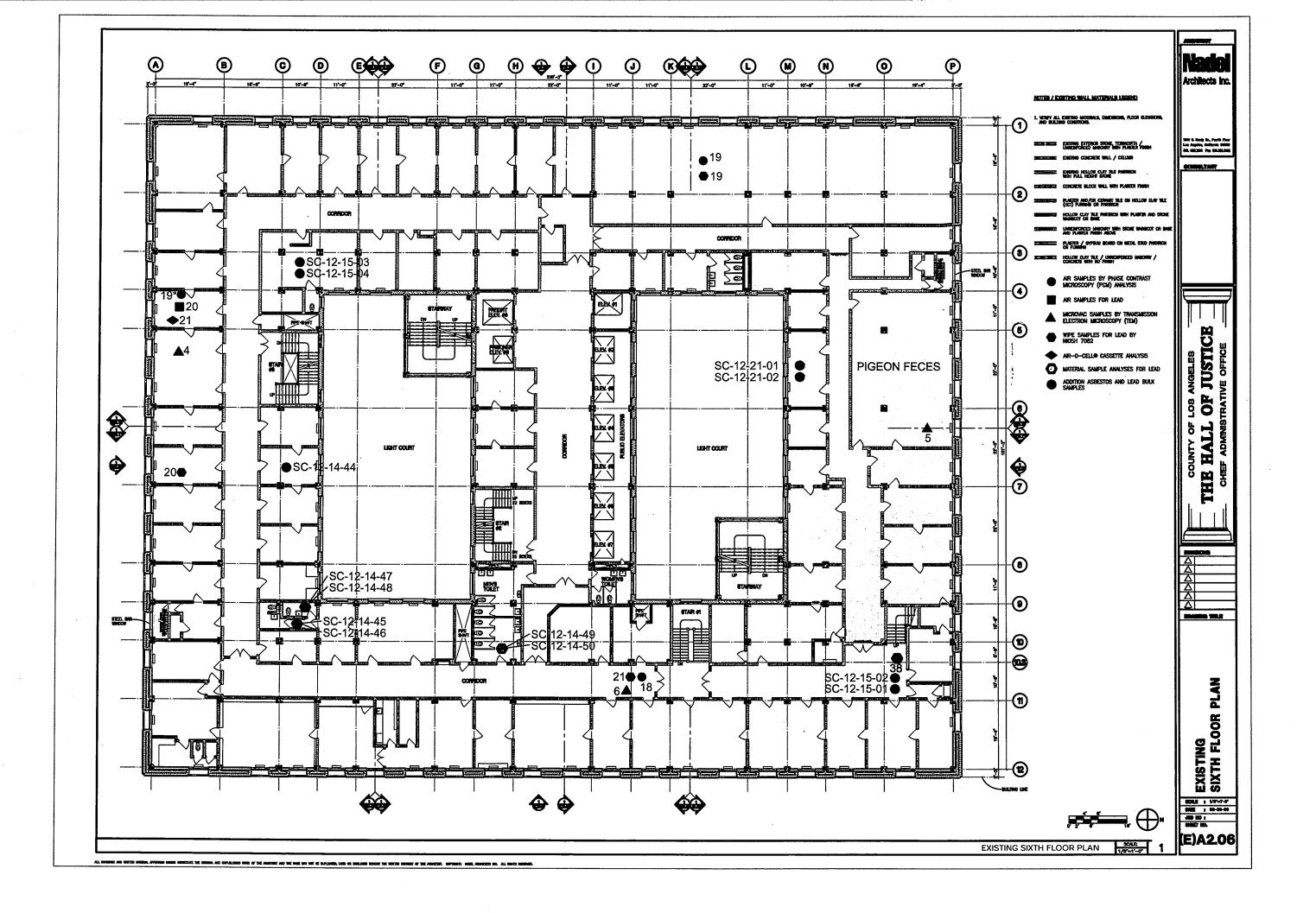


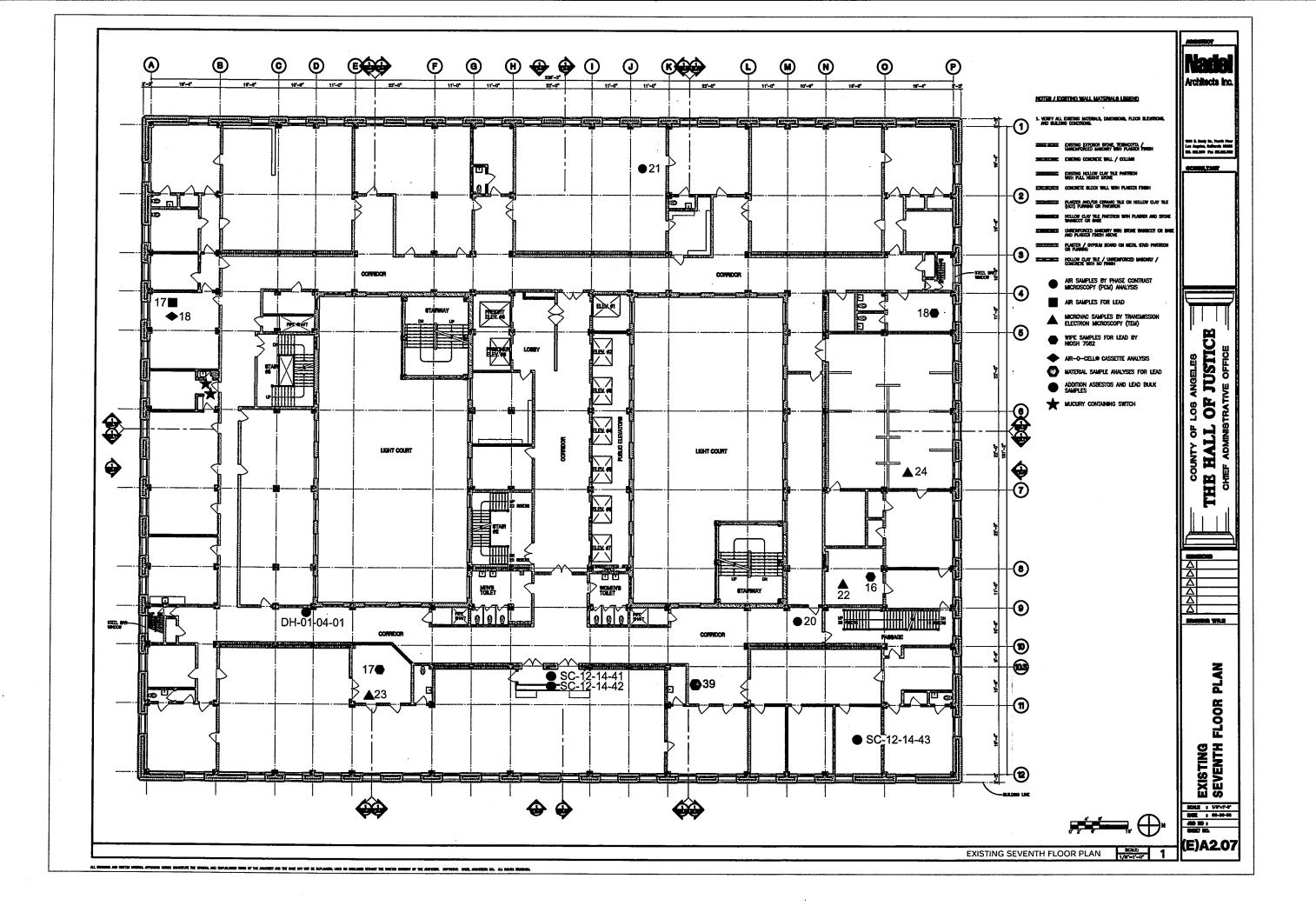


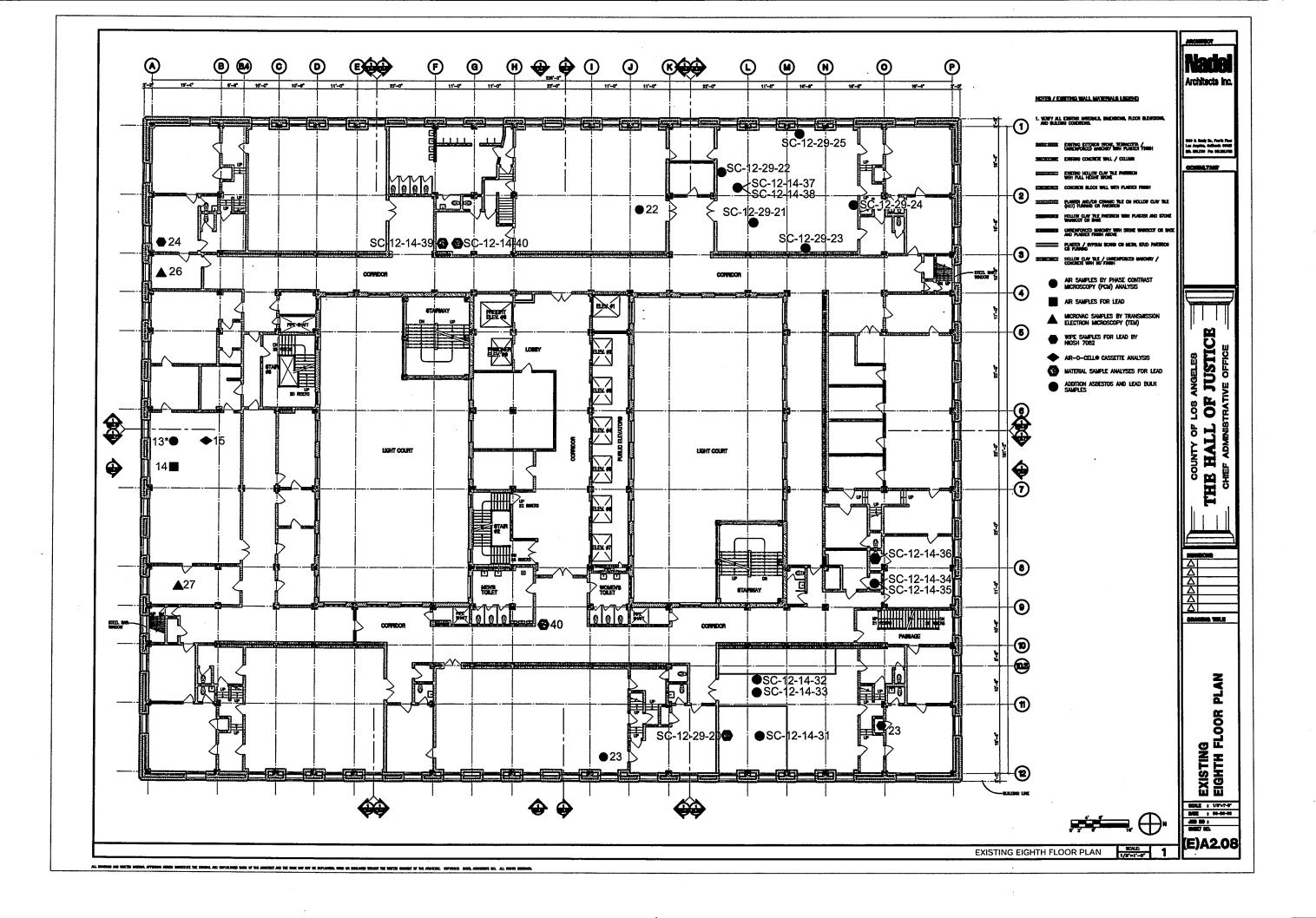


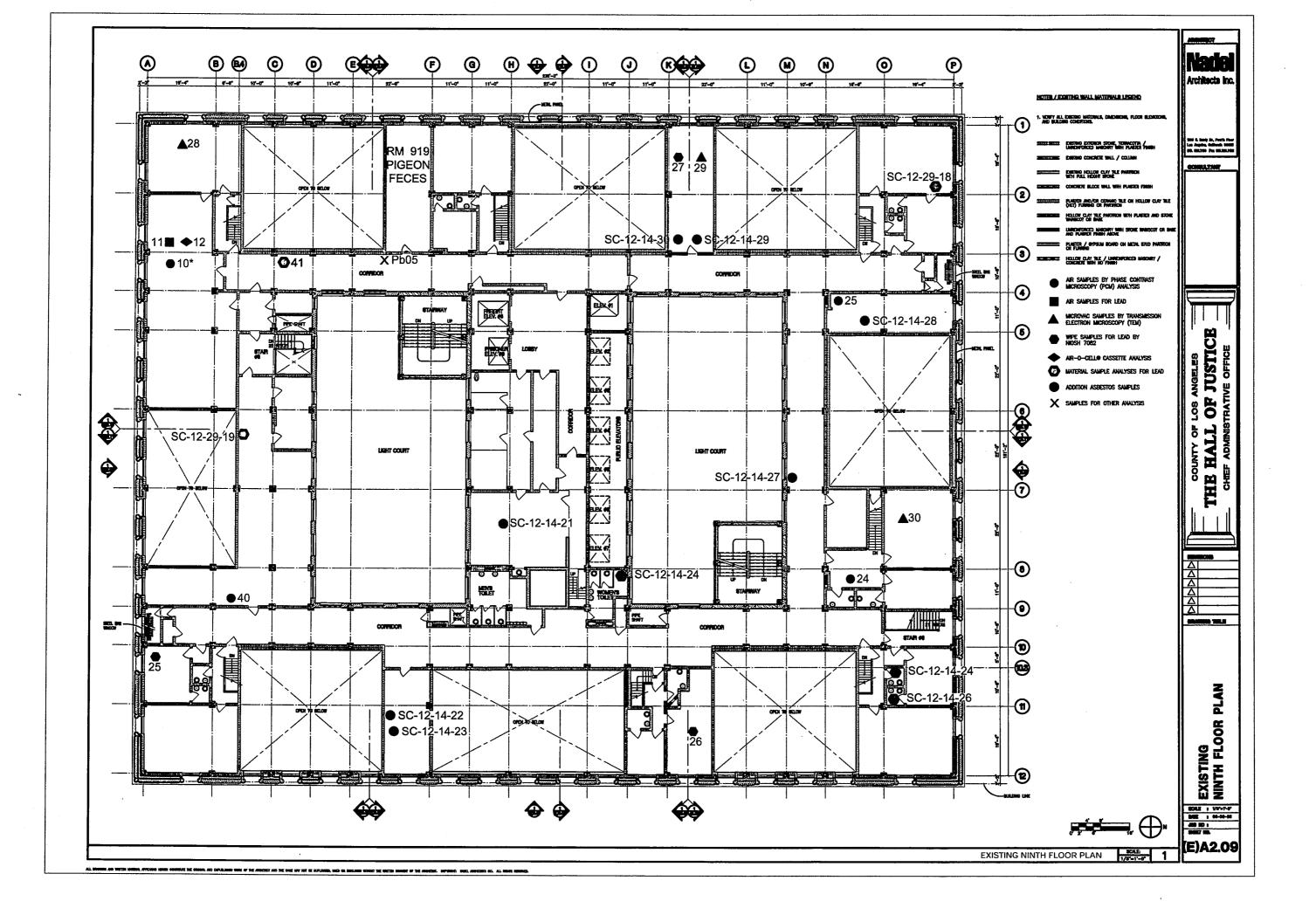


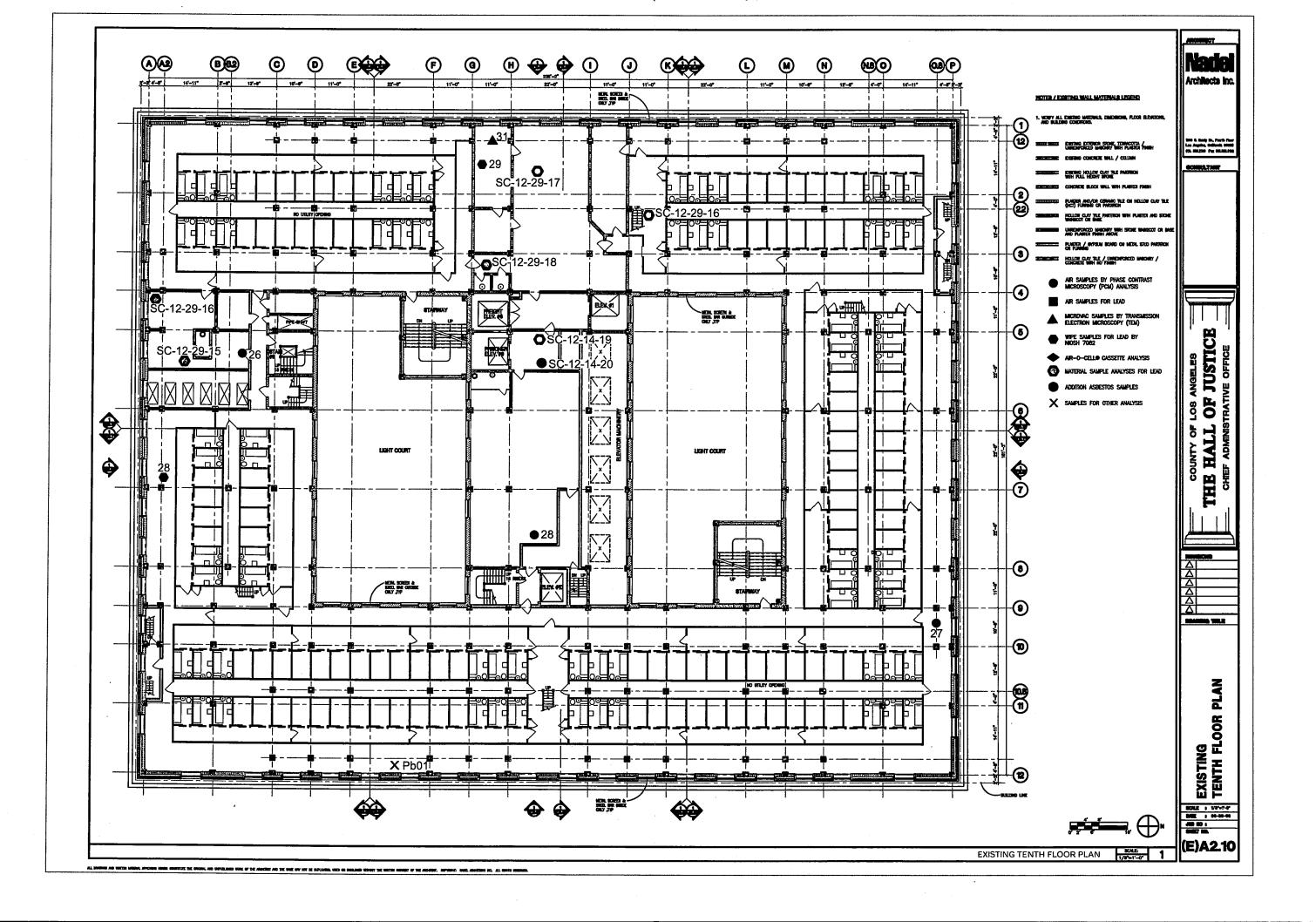


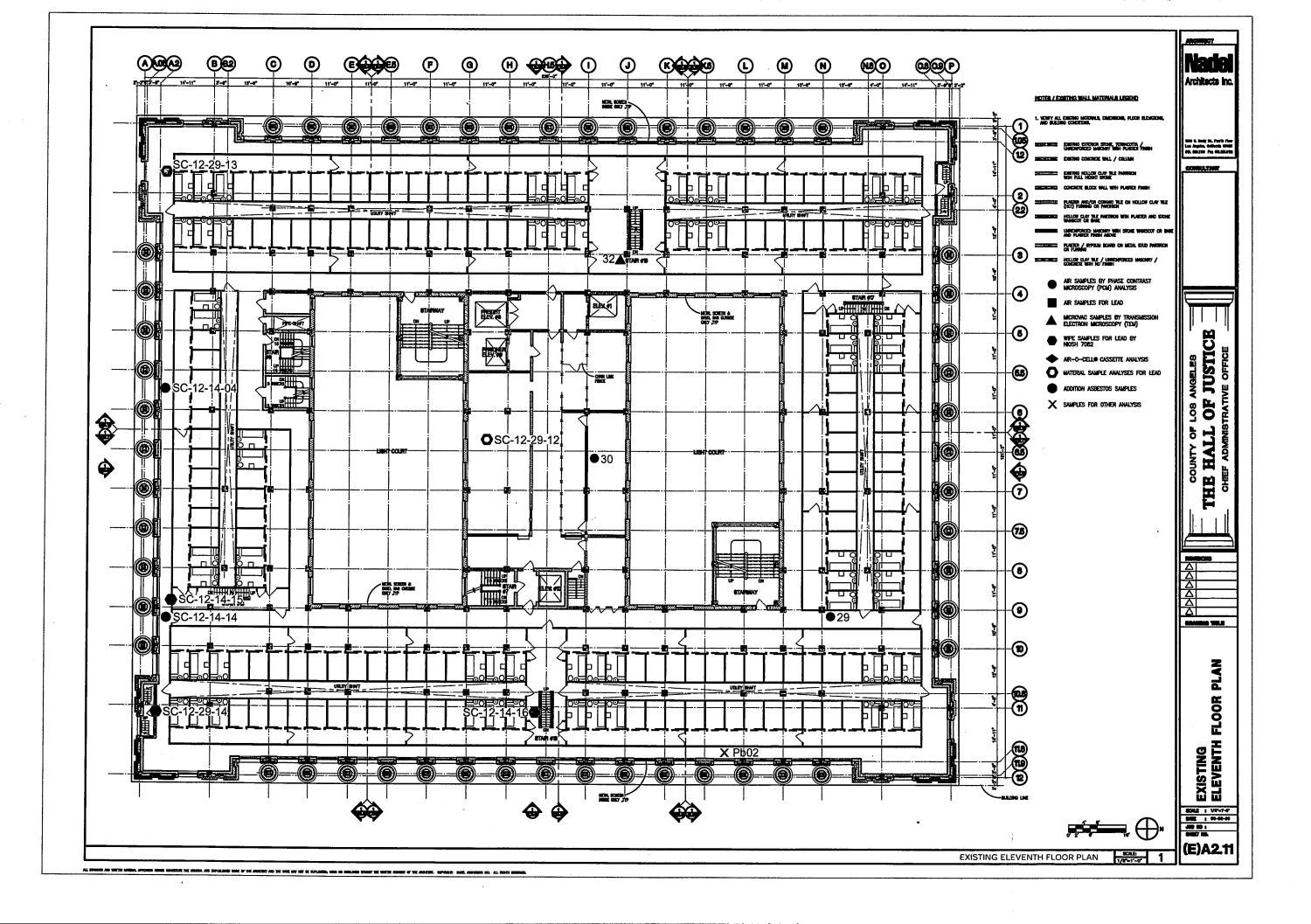


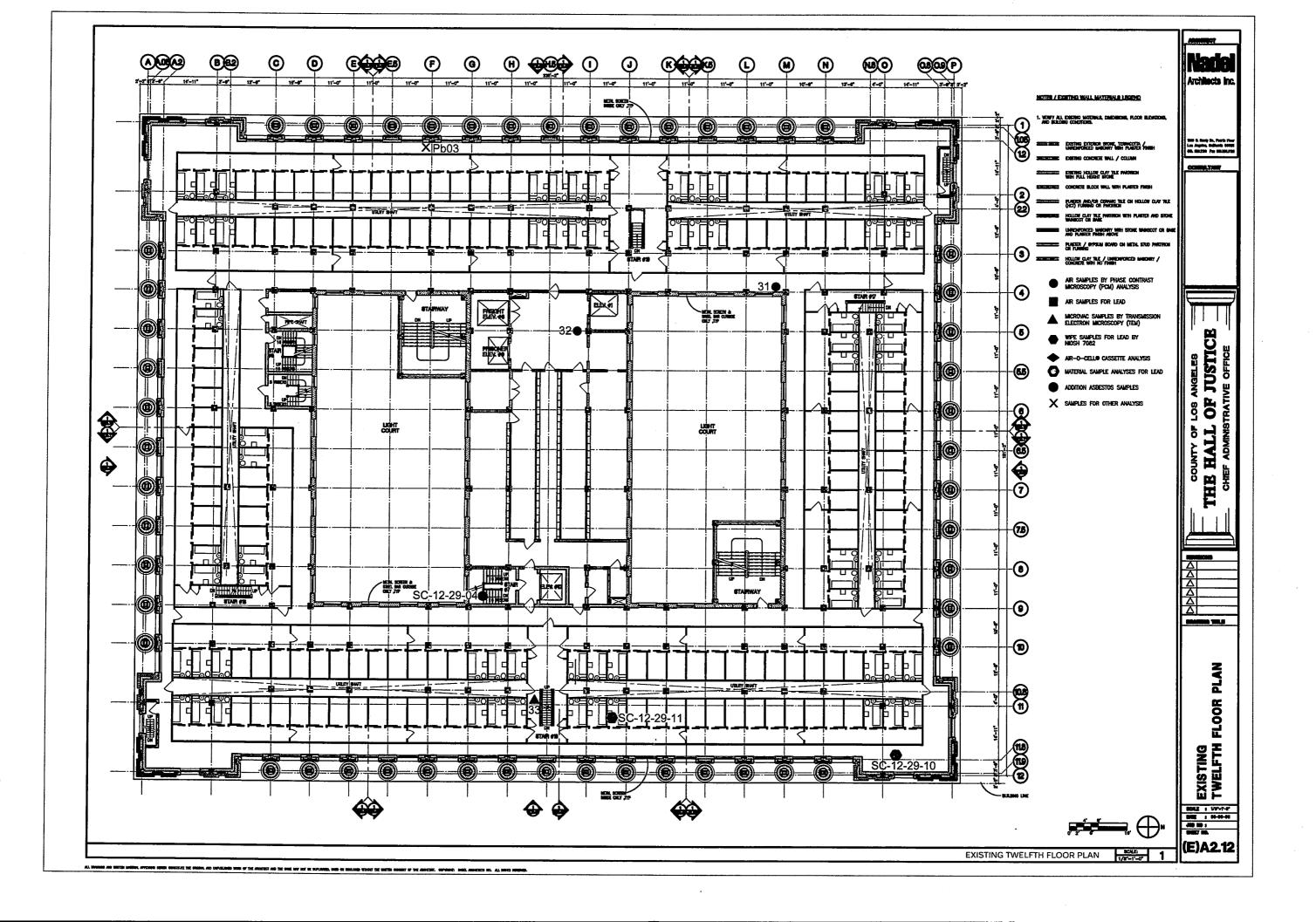


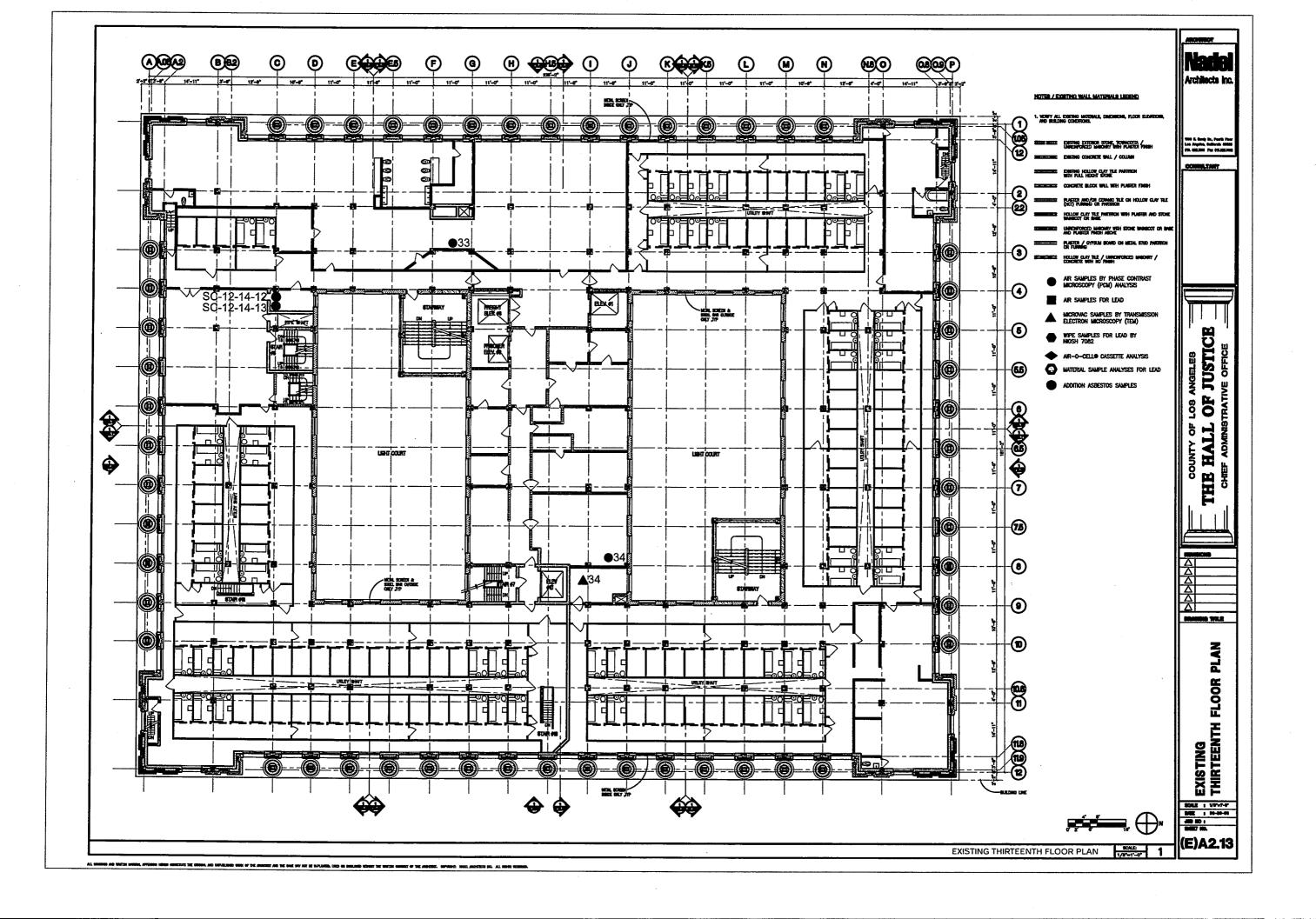


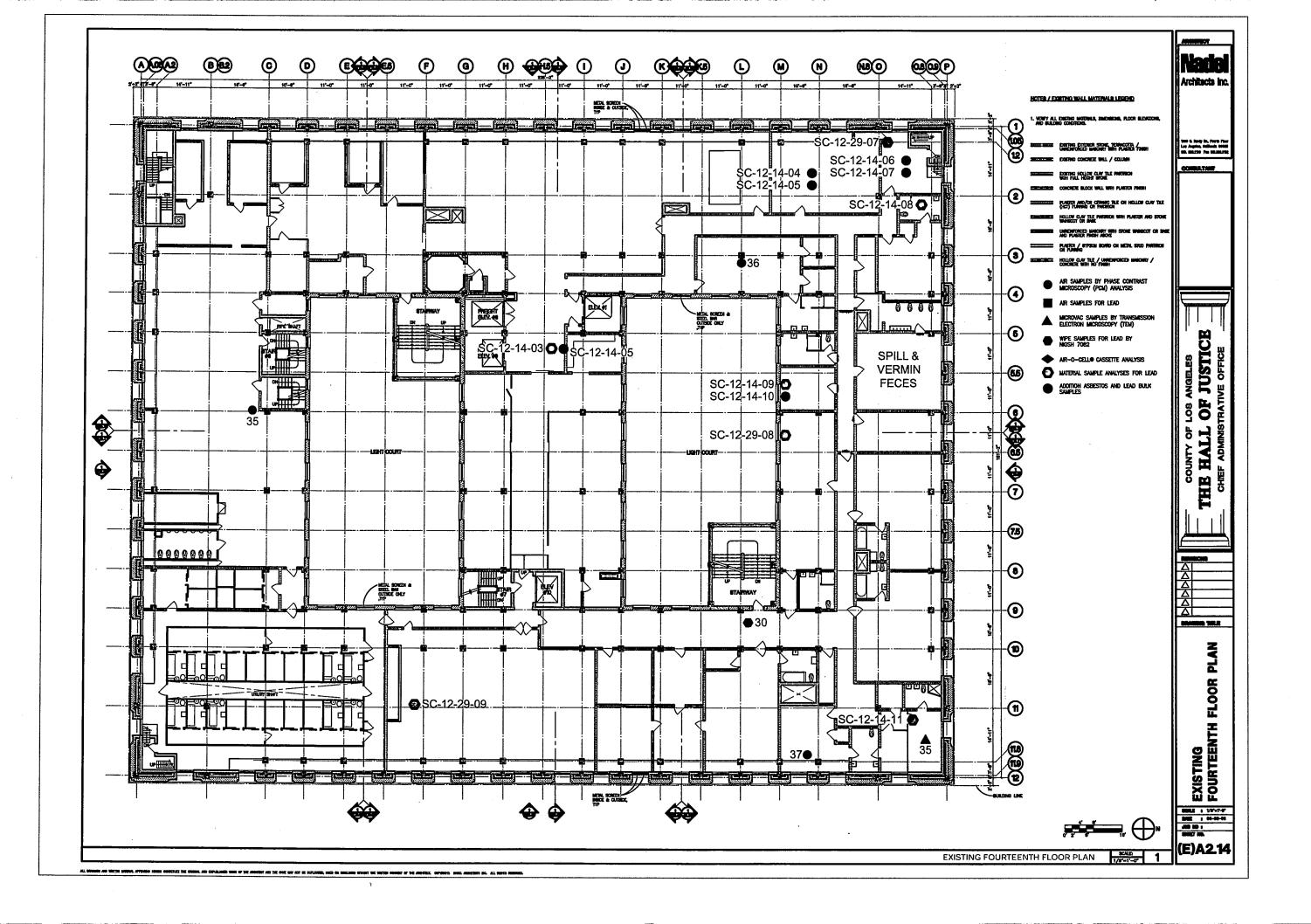


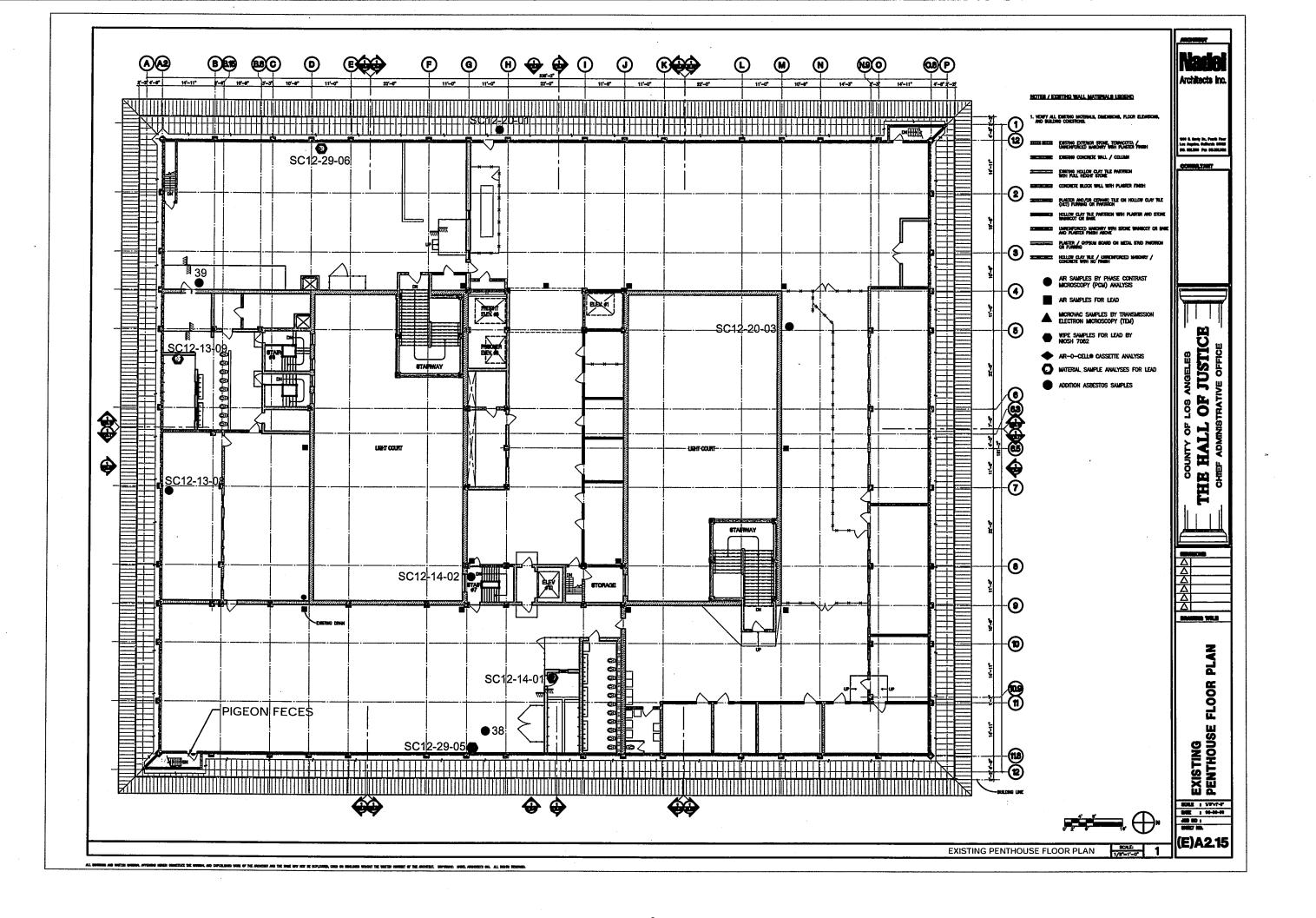


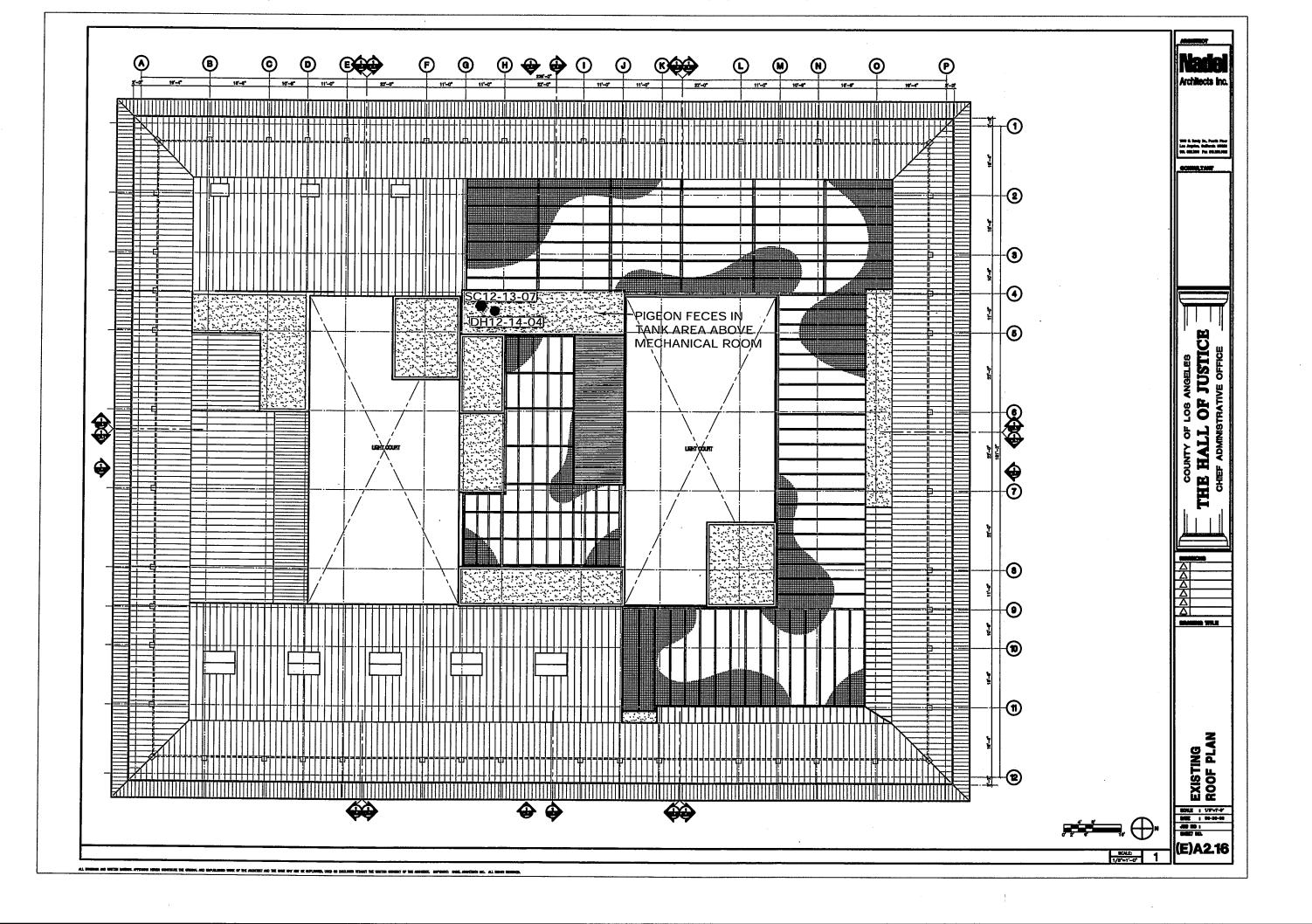






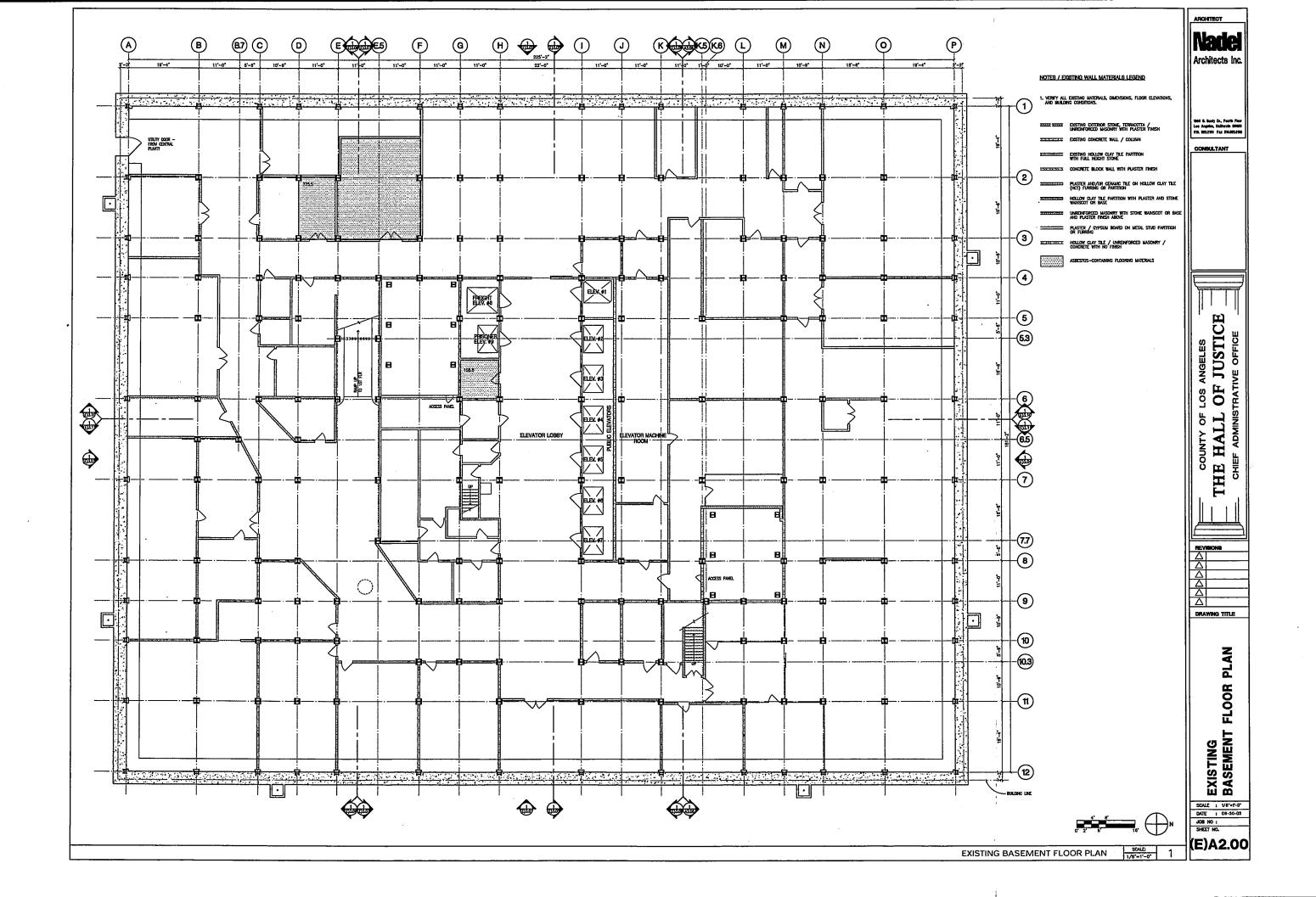


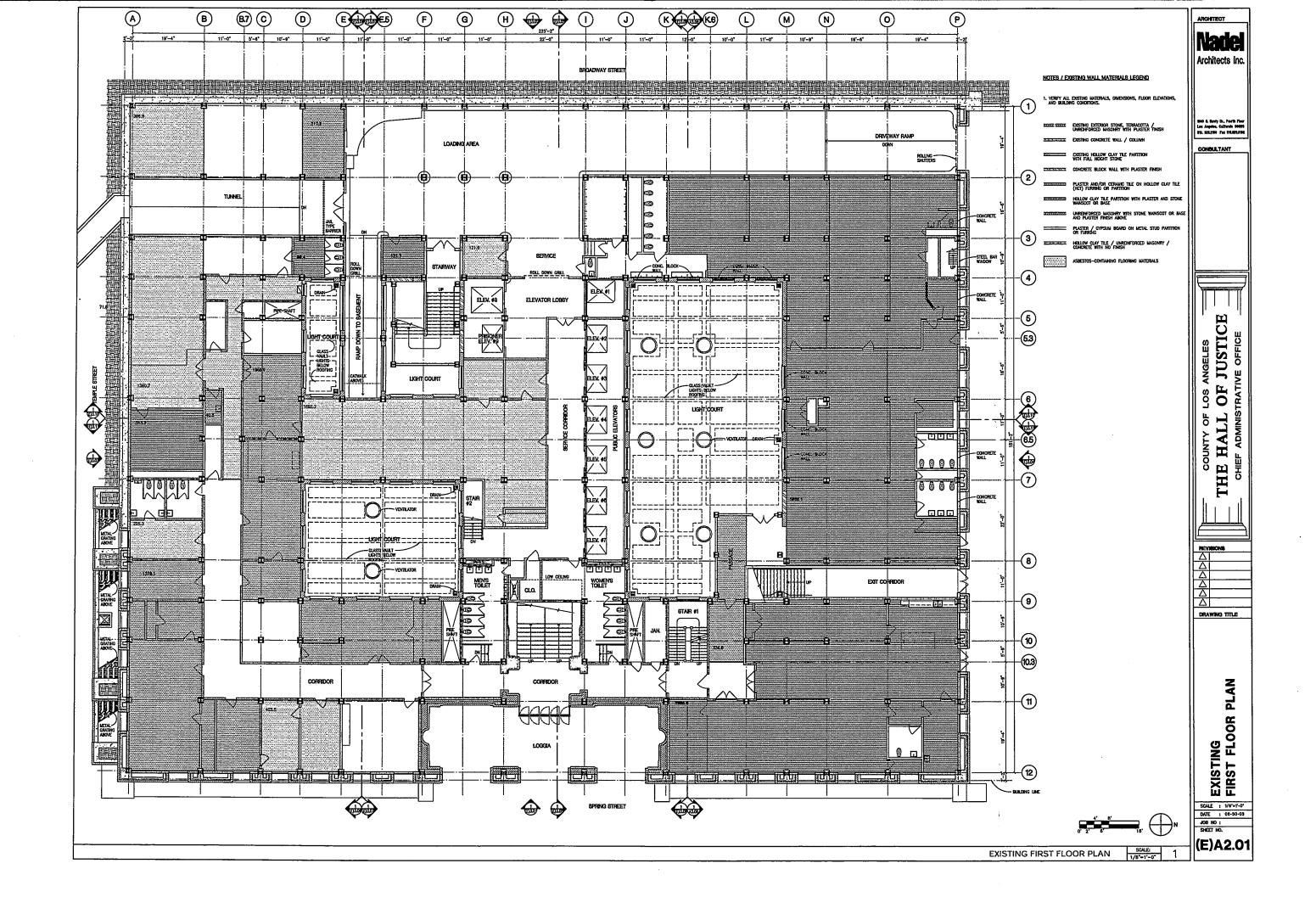


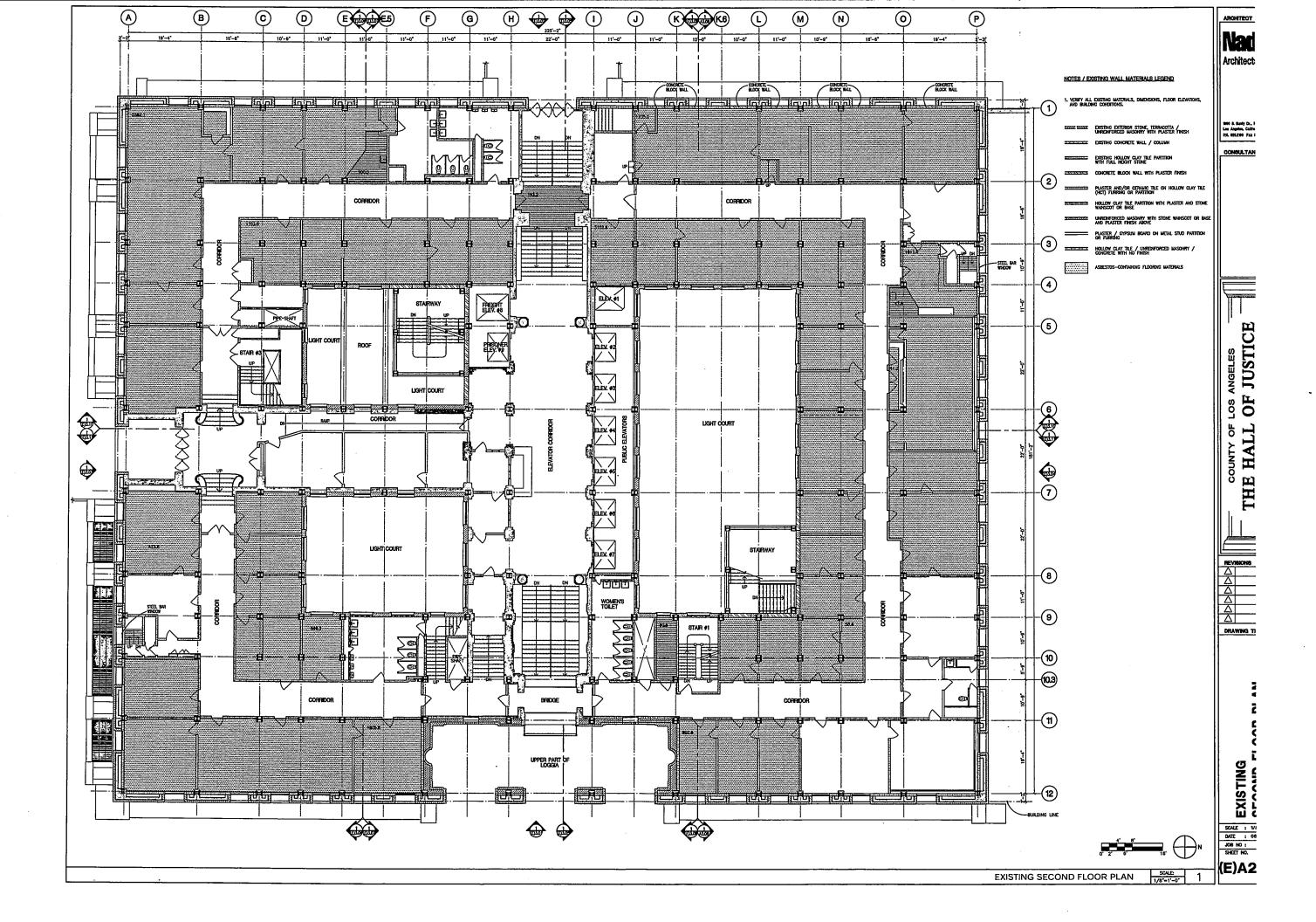


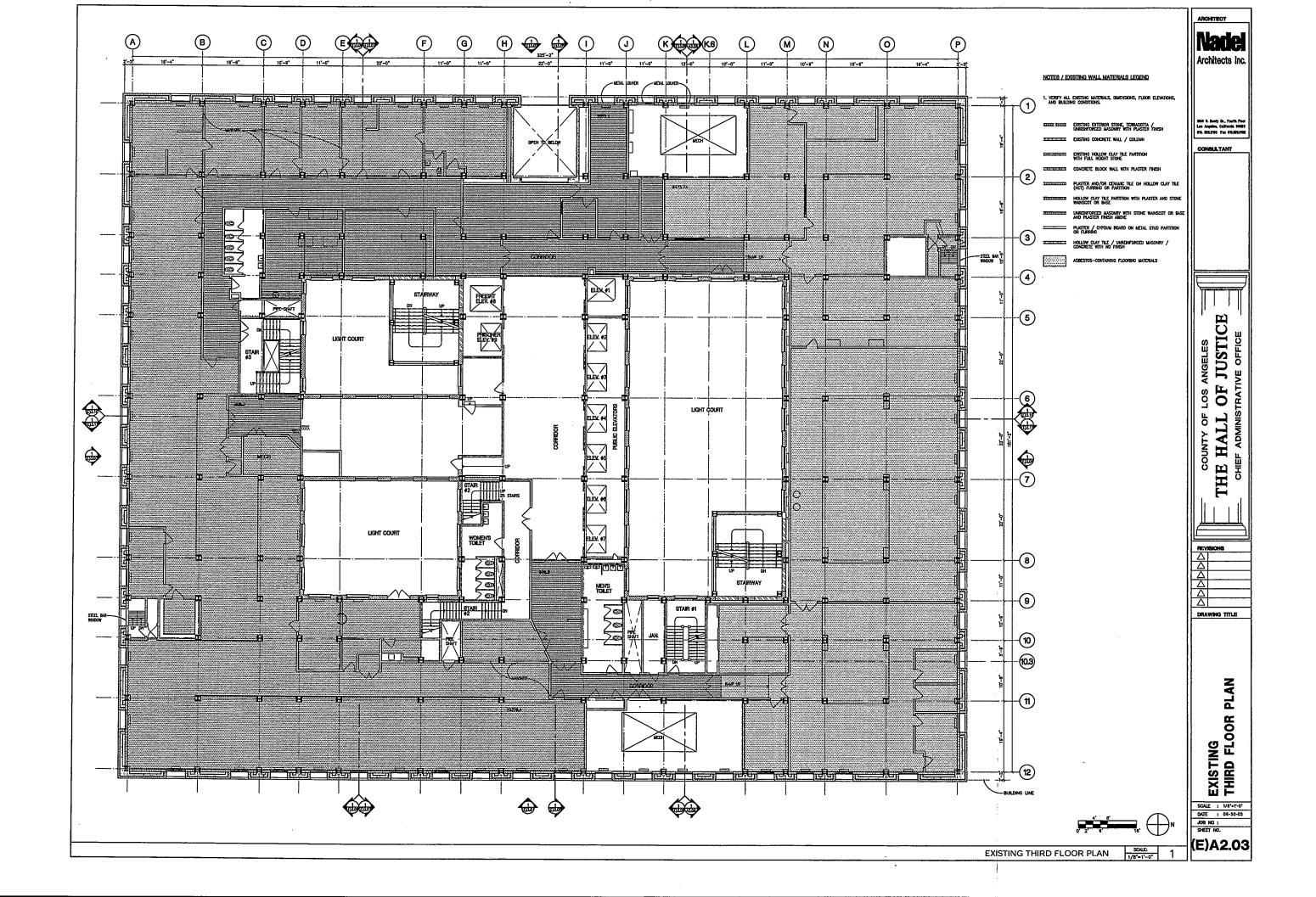
APPENDIX B

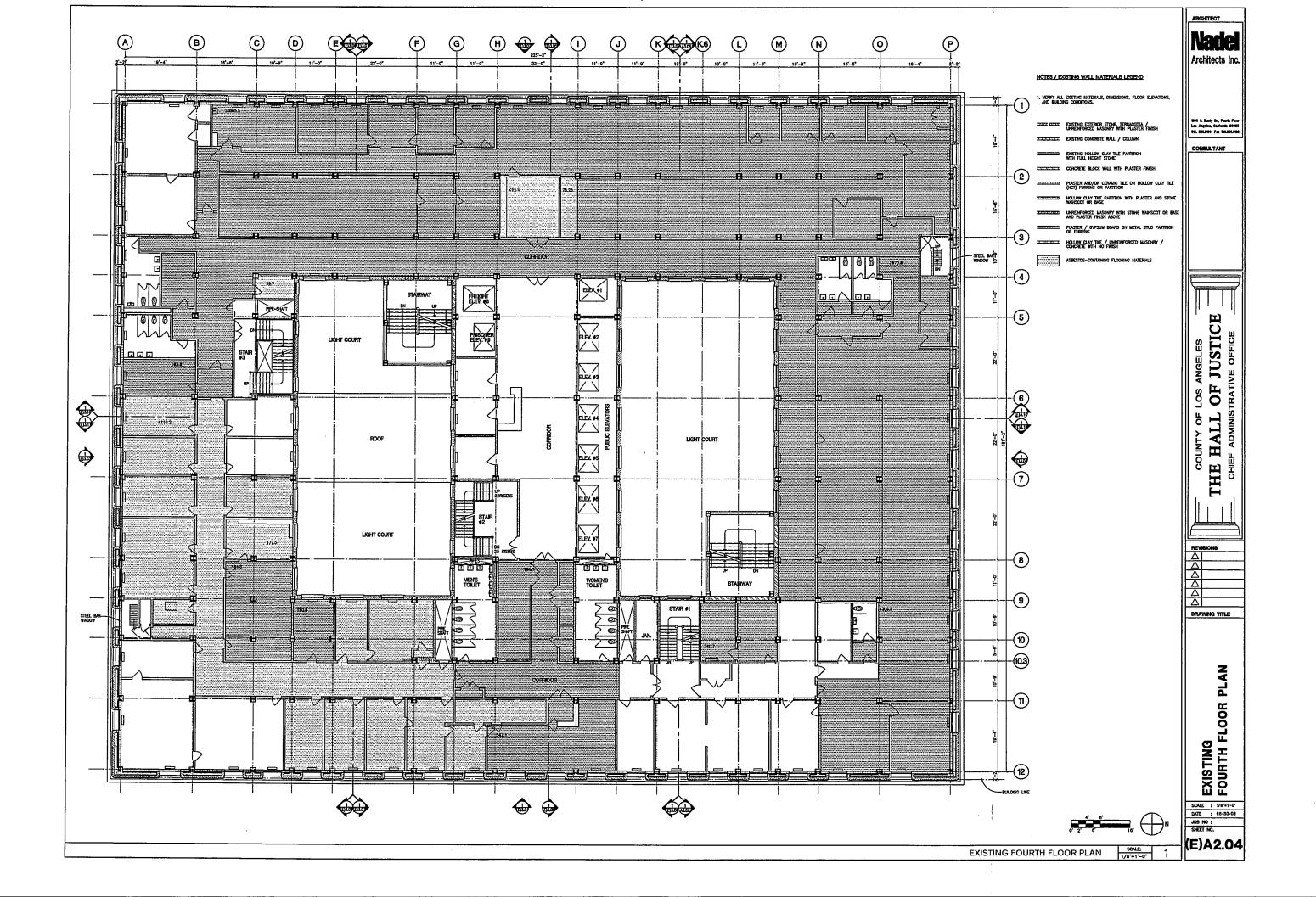
FIGURES WITH ASBESTOS-CONTAINING FLOORING MATERIALS

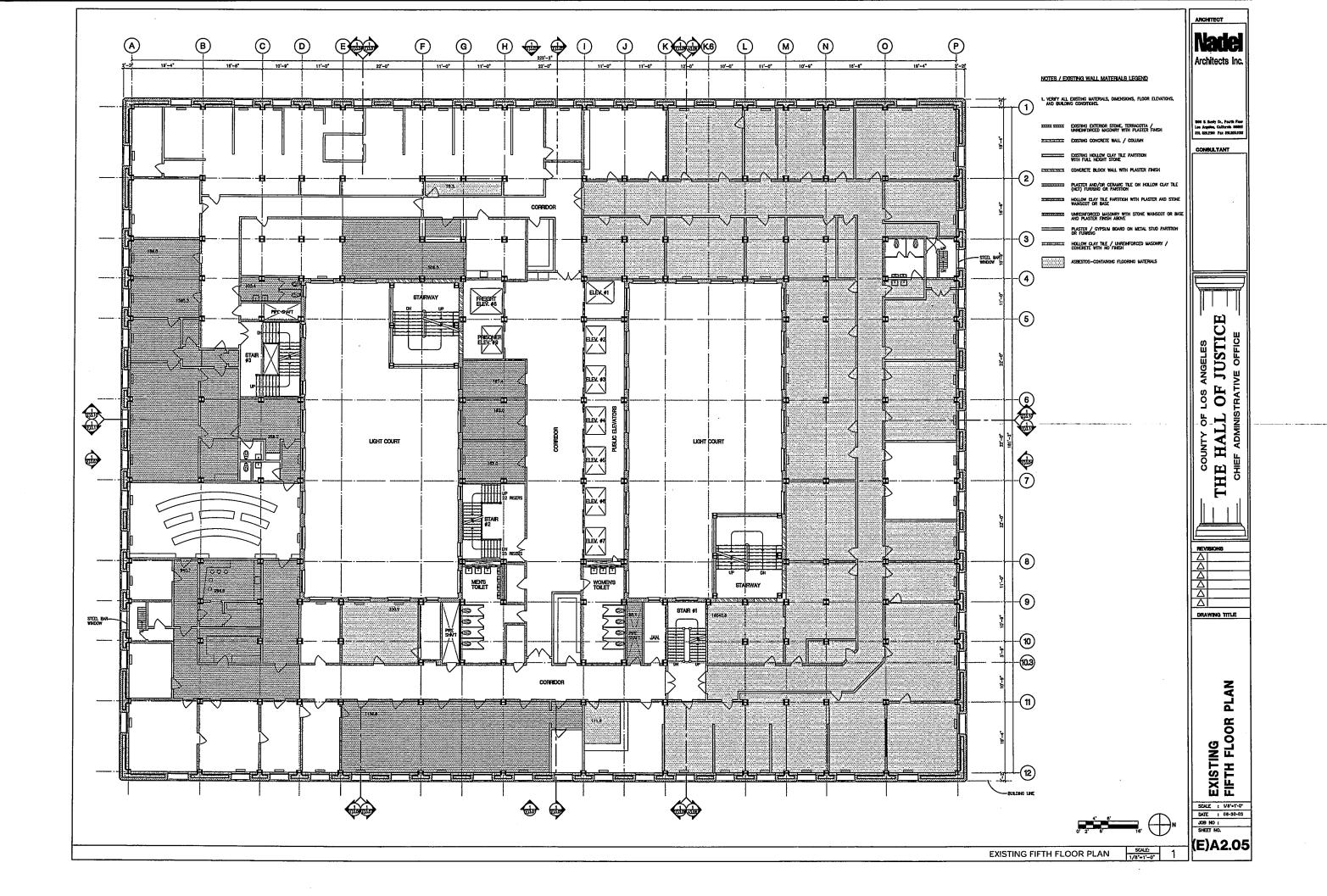


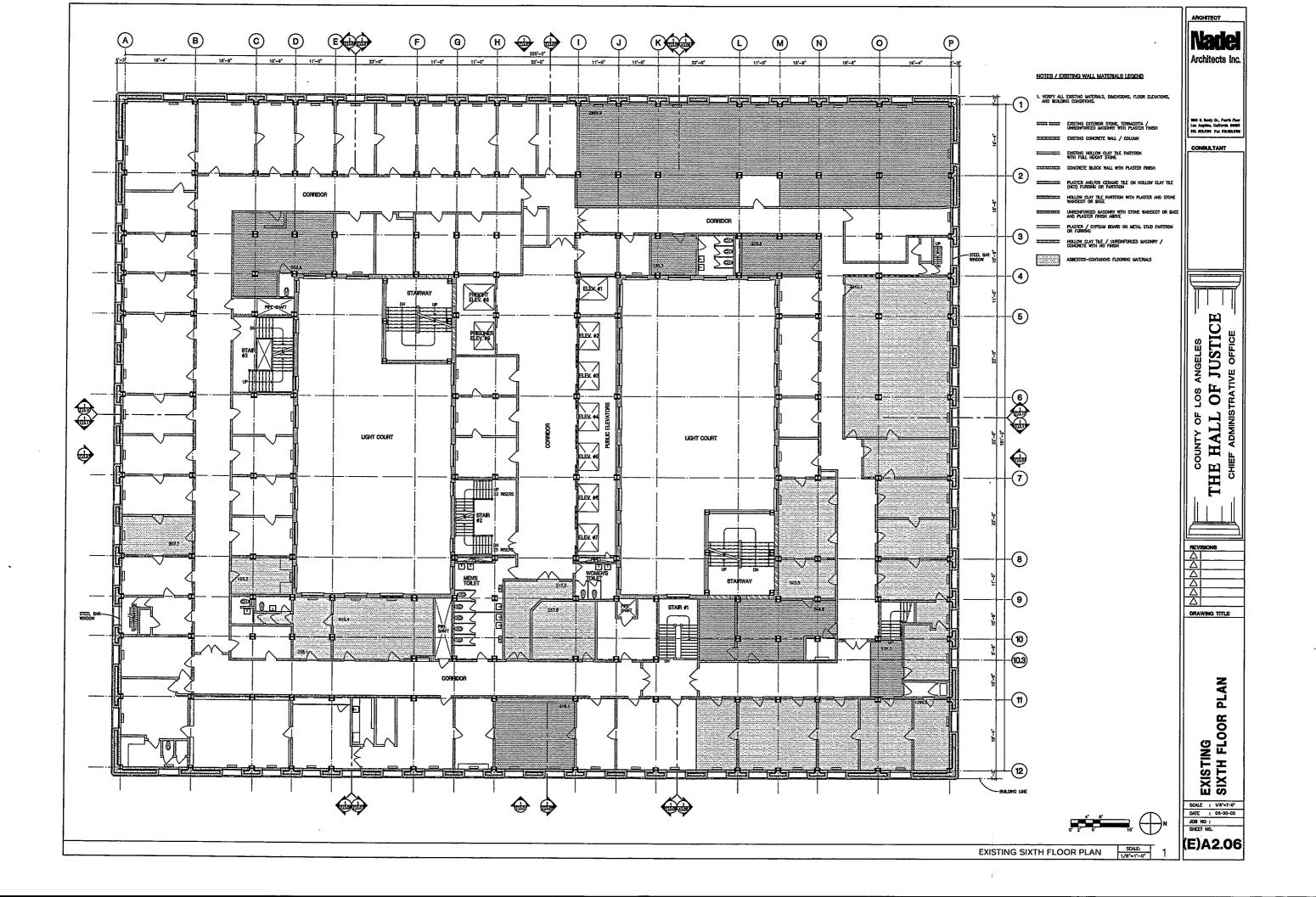


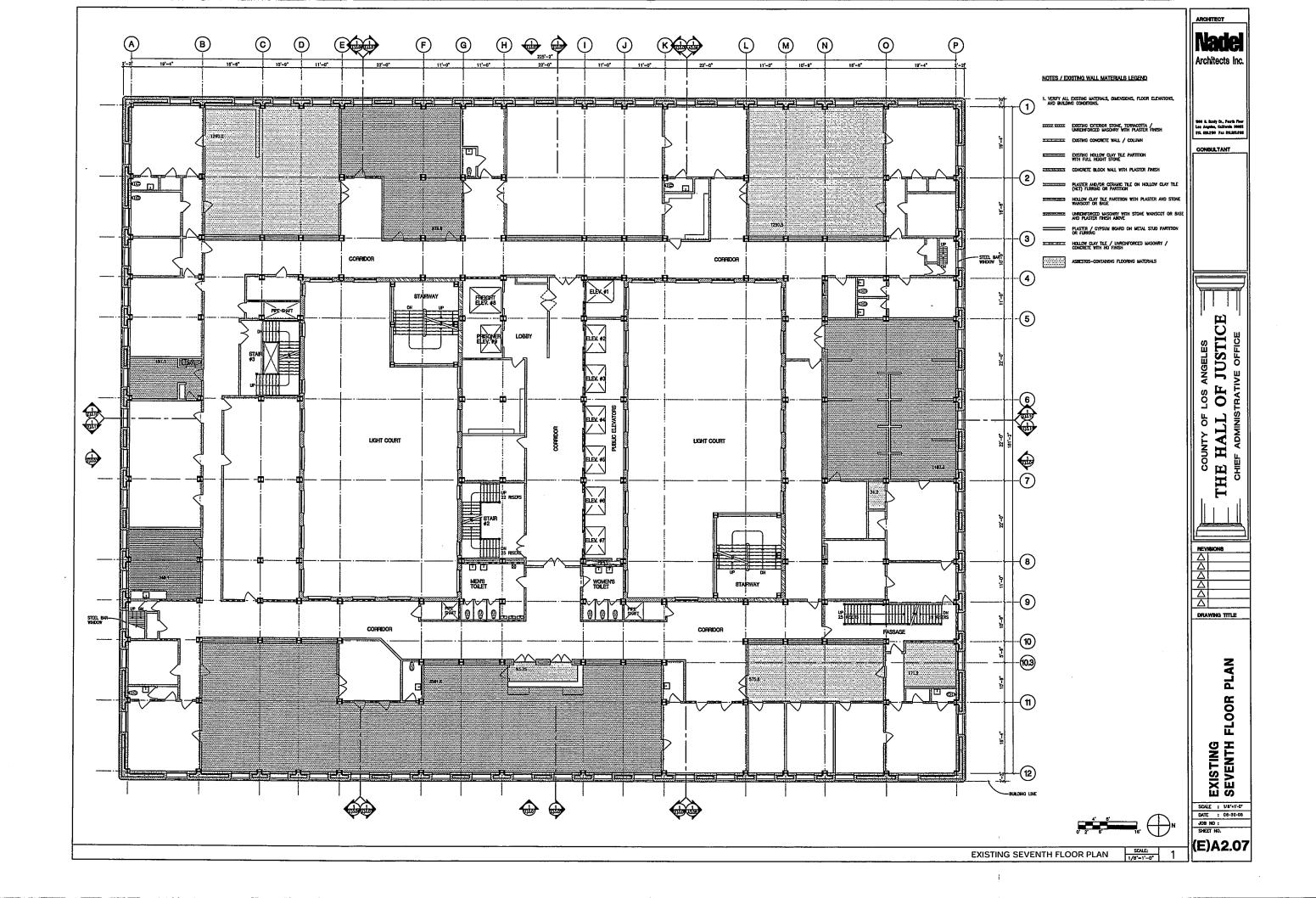


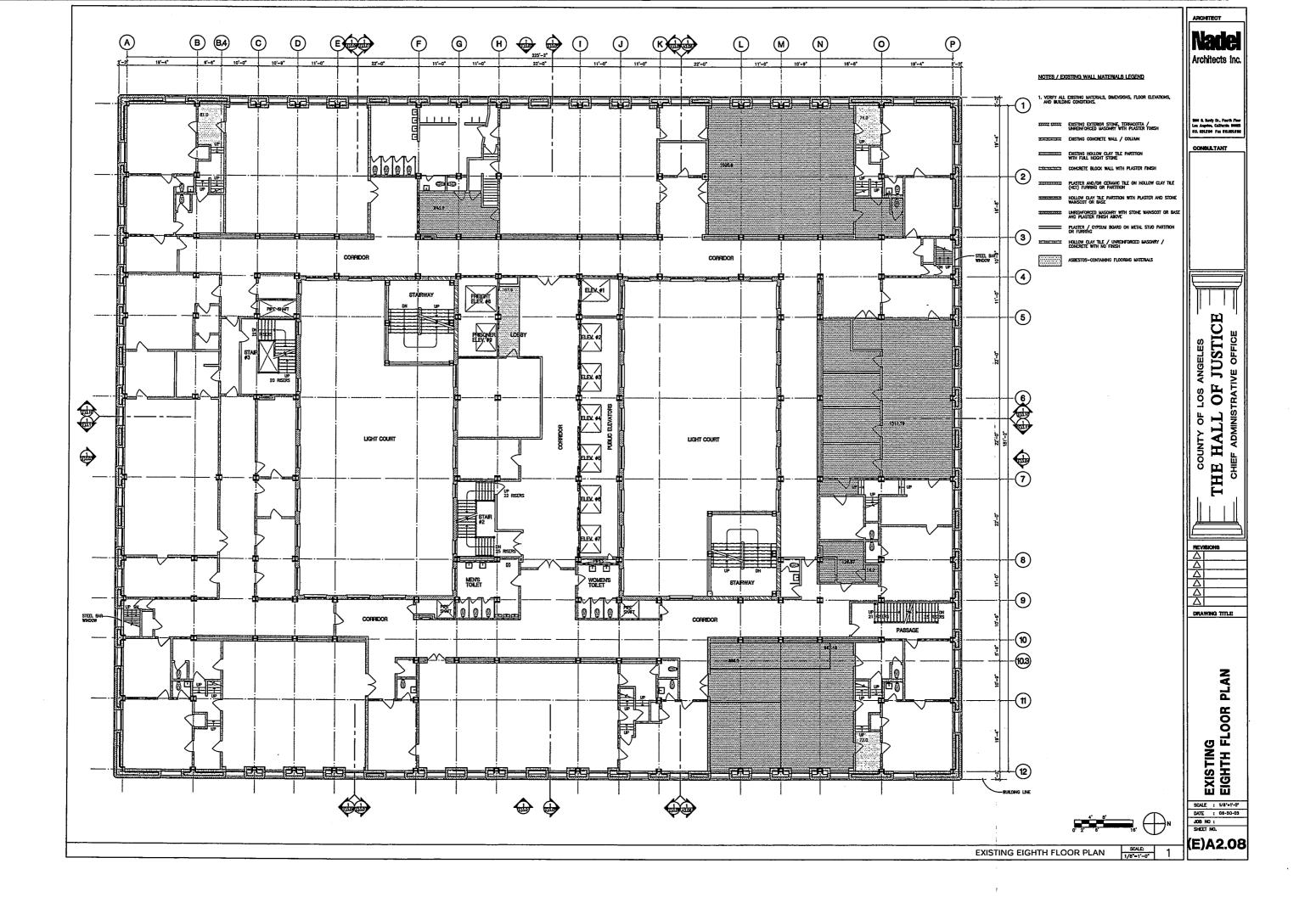


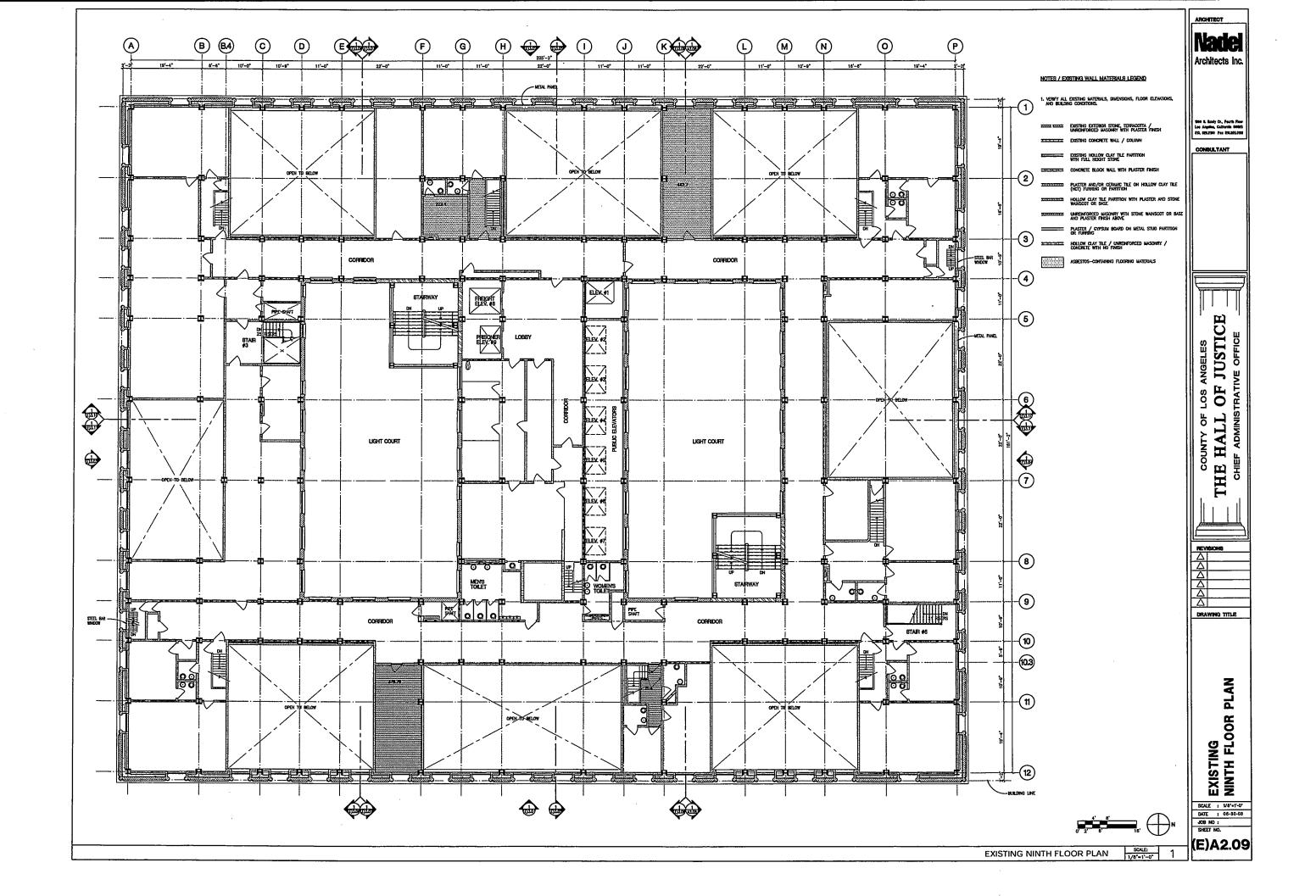


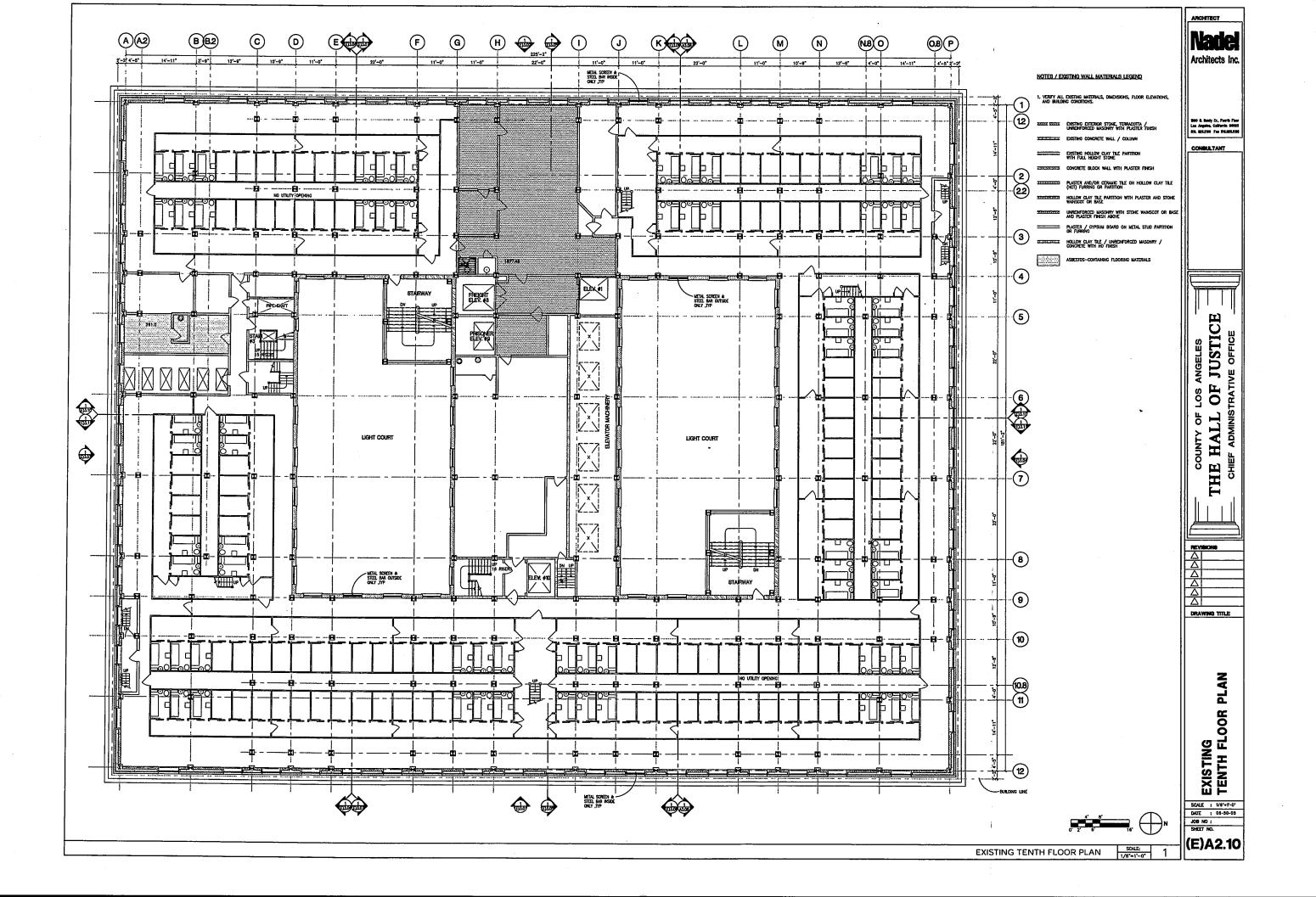


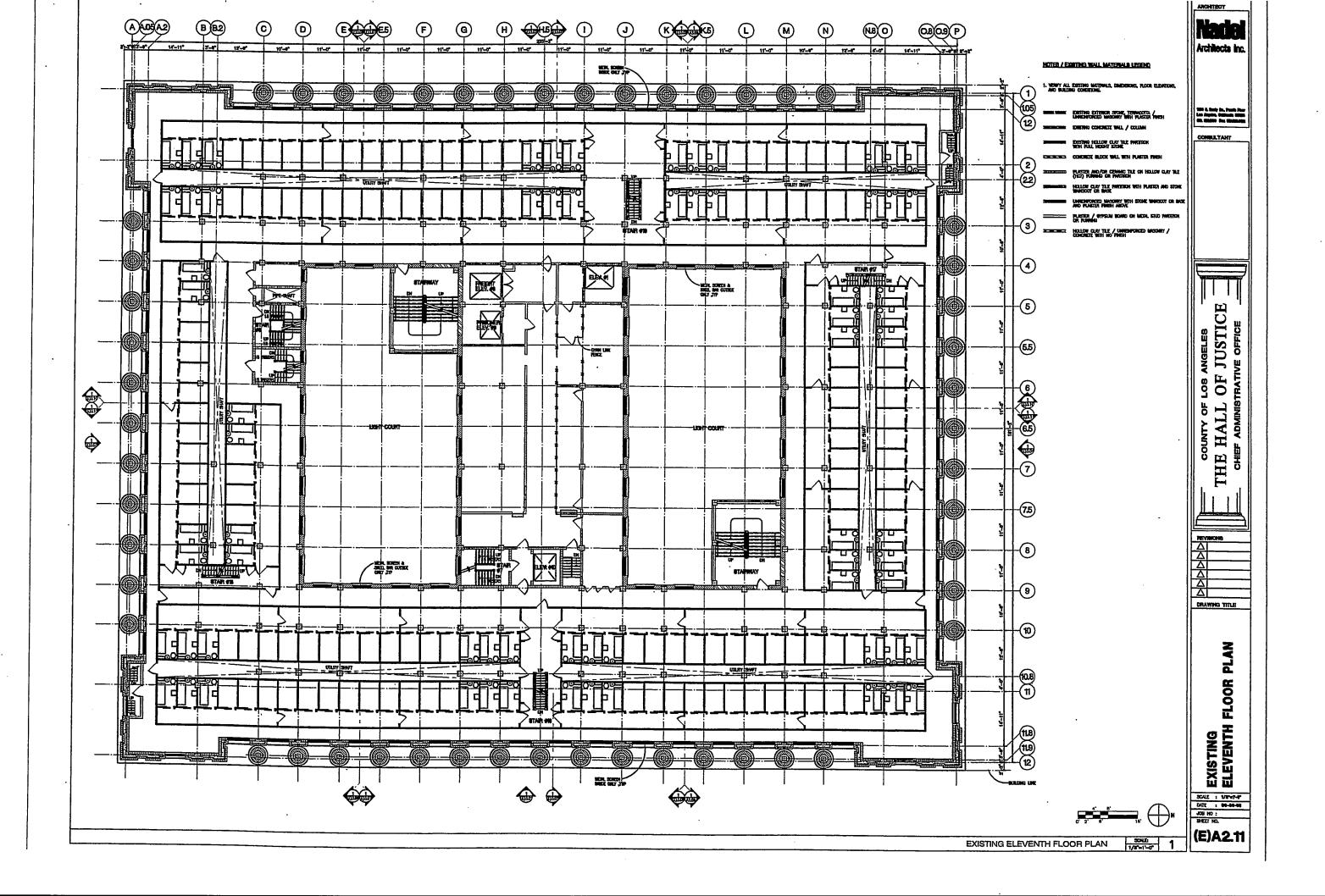


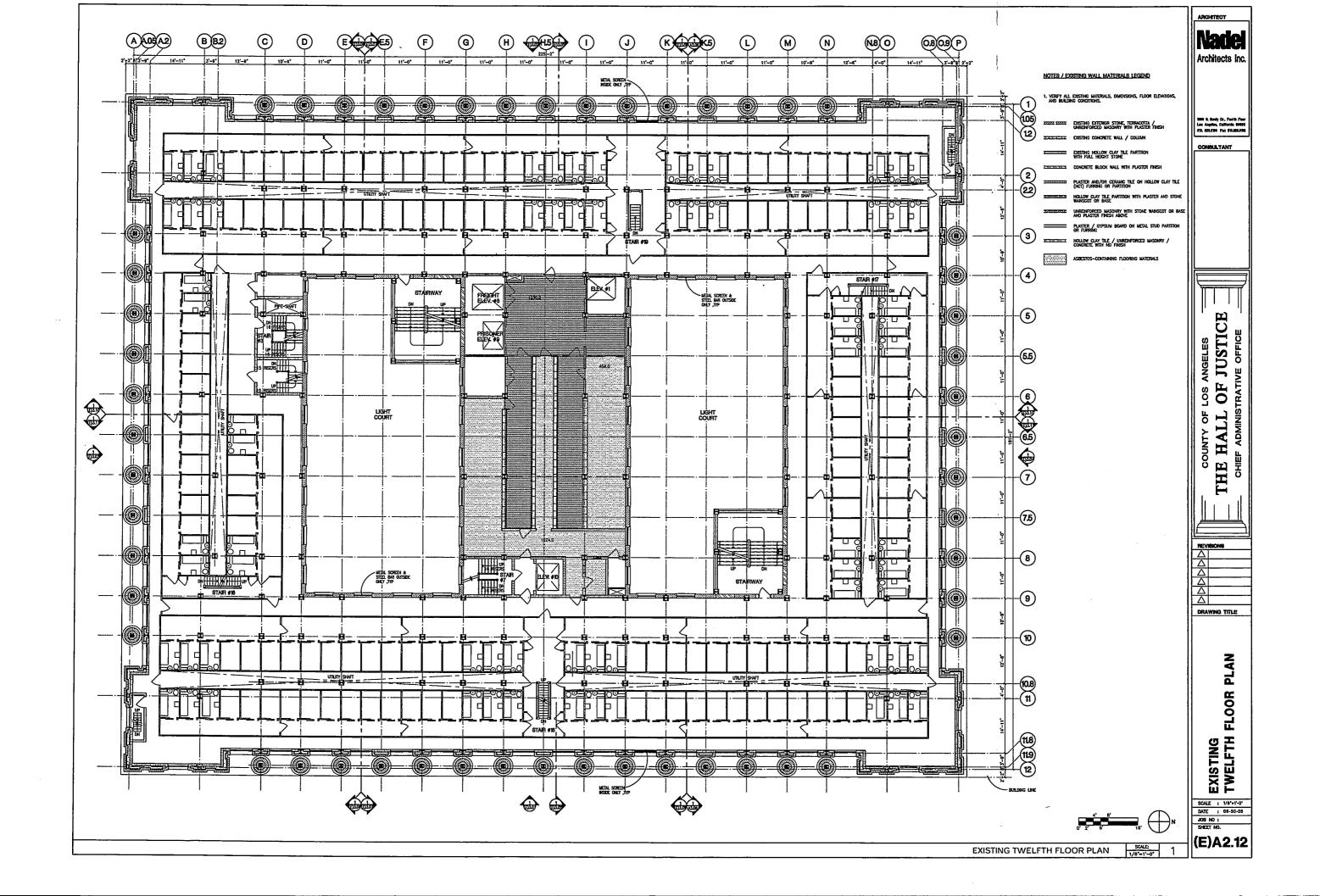


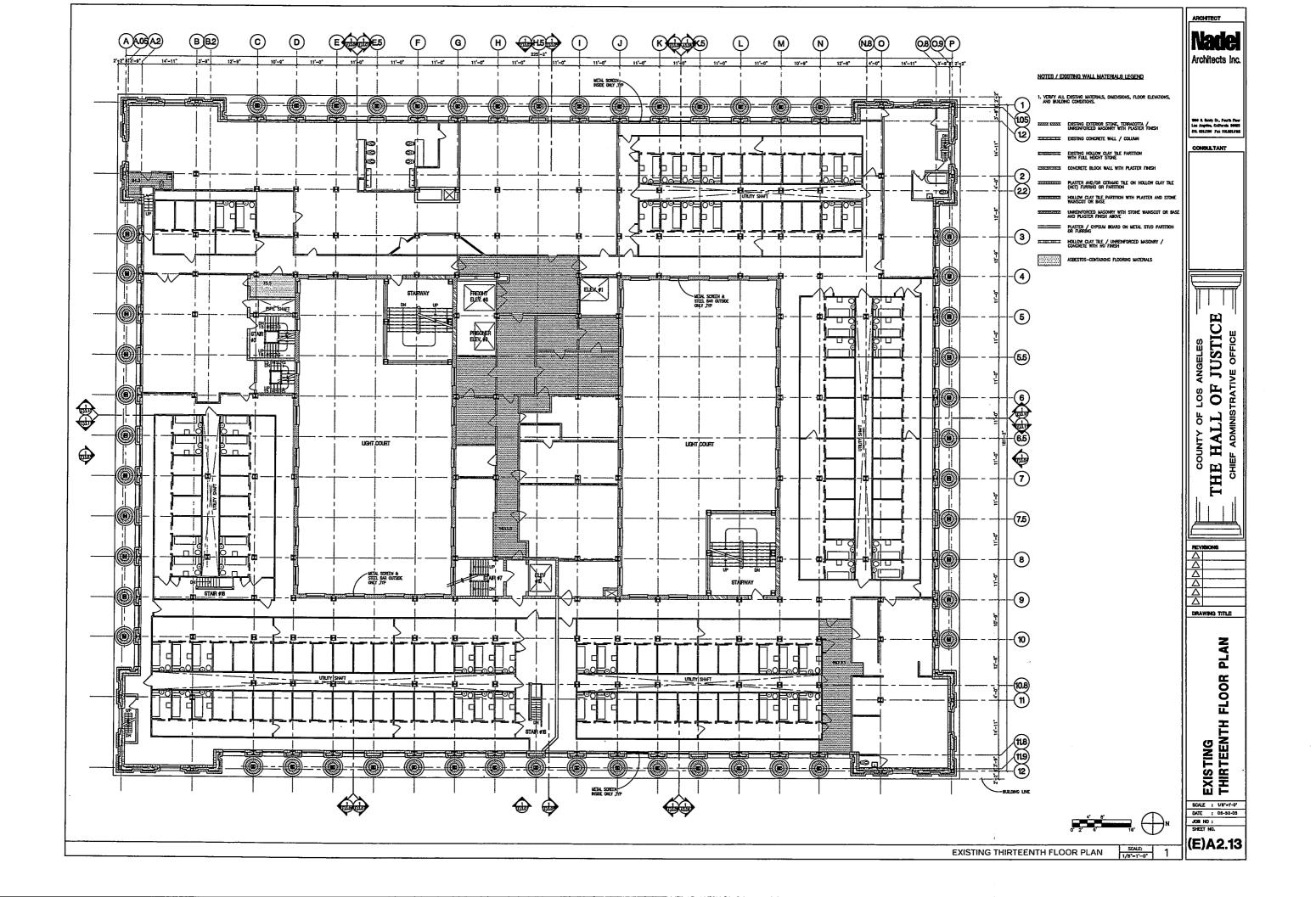


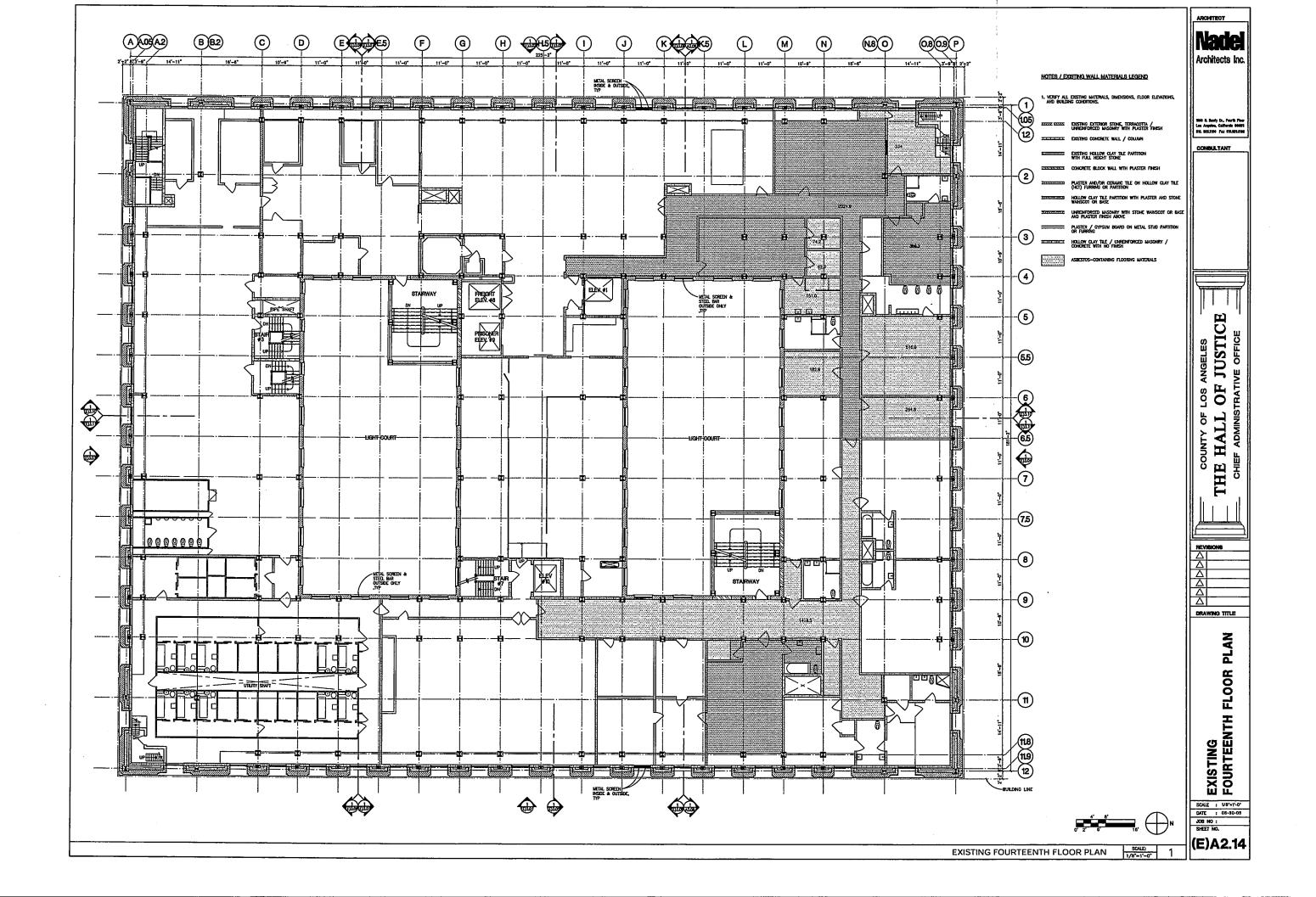












APPENDIX C
LABORATORY RESULTS, ASBESTOS, SECTION 4.1

97738

CLIENT:

DATE:

Dec 17, 2004

200 CITADEL DRIVE LOS ANGELES, CA 90044

DATE RECEIVED:

Dec 16, 2004

ATTENTION:

DON HARMON

DATE ANALYZED:

BP018040461

Dec 16, 2004

REFERENCE:

4952-04-2862/01

DATE / TIME COLLECTED:

12/14/04 & 12/15/04 BY SCOTT CAMPBELL

SUBJECT:

Polarized Light Microscopy Analysis for Asbestos;

51 Samples

METHODOLOGY:

"Method for Determination of Asbestos in Bulk Building Materials."

EPA 600/R-93/116

ACCREDITED:

National Institute of Standards and Technology

CERTIFIED:

California Department of Health Services Environmental Testing Laboratory ELAP 1119, County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID	SAMPLE (SRM 1866 GLASS	VISUAL		1
		1 '	ASBESTIFORM	OTHER FIBROUS
NUMBER	DESCRIPTION	DESCRIPTION	MINERALS	MATERIALS
SC12/14-2	NON-FRIABLE	GREEN RUBBERY	NONE DETECTED	NONE DETECTED
SC12/14-4 FT	NON-FRIABLE	BEIGE SOLID	**NONE DETECTED	NONE DETECTED
SC12/14-4 M	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 2%	CELLULOSE- LESS THAN 1%
SC12/14-5	NON-FRIABLE	BLACK FIBROUS	CHRYSOTILE LESS THAN 1%	CELLULOSE 10%
SC12/14-6 FT	NON-FRIABLE	GREEN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/14-7	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 2%	NONE DETECTED
SC12/14-10	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 4%	NONE DETECTED
SC12/14-12 FT	NON-FRIABLE	GREEN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
			7/	

Optical Microscopist BMK/vm

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upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material. The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a homogeneous sampling area before friable material is considered non-asbestos-containing. These analyses were performed as a screening which is allowed by NVLAP, but omit some of the recommended QC of the method. **Negative floor tile samples may contain significant amounts (>1%) of very thin asbestos fibers which cannot be detected by PLM. Confirmation by X-Ray diffraction or TEM is recommended by EPA (Federal Register Vol. 59, No. 146). This report, from a NIST accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by

NVLAP or any agency of the U.S. Government. NOTE: This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc.

PG 1

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CONTINUED

PG. 2

SAMPLE ID Number	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
SC12/14-13	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 4%	NONE DETECTED
SC12/14-14	NON-FRIABLE	WHITE GRANULAR	CHRYSOTILE 5% AMOSITE 10%	NONE DETECTED
SC12/14-18	NON-FRIABLE	GREEN SOLID	NONE DETECTED	NONE DETECTED
SC12/14-20	NON-FRIABLE	WHITE GRANULAR	NONE DETECTED	NONE DETECTED
SC12/14-21	NON-FRIABLE	TAN RUBBERY	NONE DETECTED	NONE DETECTED
SC12/14-22 FT	NON-FRIABLE	BEIGE SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/14-23	NON-FRIABLE	BROWN GRANULAR	NONE DETECTED	NONE DETECTED
SC12/14-27	FRIABLE	BEIGE FIBROUS	CHRYSOTILE 60%	CELLULOSE 20%

Optical Microscopist

L/aboratory The EPA method is a semi quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent

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97738

CONTINUED

PG. 3

	SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
ŧ	SC12/14-28	NON-FRIABLE	BROWN SOLID	NONE DETECTED	CELLULOSE 5%
-	SC12/14-29 FT	NON-FRIABLE	BEIGE SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
	SC12/14-30	NON-FRIABLE	BLACK GRANULAR	CHRYSOTILE 3%	CELLULOSE 2%
	SC12/14-32 FT	NON-FRIABLE	BEIGE SOLID	**NONE DETECTED	NONE DETECTED
	SC12/14-33 FT	NON-FRIABLE	BEIGE SOLID	**NONE DETECTED	NONE DETECTED
	SC12/14-33 M	NON-FRIABLE	BROWN RUBBERY	NONE DETECTED	NONE DETECTED
	SC12/14-34 FT	NON-FRIABLE	BROWN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
	SC12/14-35	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE- LESS THAN 1%	NONE DETECTED

Optical Microscopist

B.M. Kolk, Laboratory Director

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97738

CONTINUED

PG. 4

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
SC12/14-38	NON-FRIABLE	BROWN GRANULAR	NONE DETECTED .	NONE DETECTED
SC12/14-41A FT	NON-FRIABLE	TAN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/14-41B FT	NON-FRIABLE	BLACK SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/14-42	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 3%	NONE DETECTED
SC12/14-43	NON-FRIABLE	BROWN FIBROUS TAN SOLID	NONE DETECTED	CELLULOSE 5% FIBERGLASS 5%
SC12/14-44	NON-FRIABLE	BROWN SOLID TAN FIBROUS	NONE DETECTED	CELLULOSE 5%
SC12/15-01 FT	NON-FRIABLE	BROWN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/15-2	NON-FRIABLE	BLACK TAR LIKE	NONE DETECTED	CELLULOSE - LESS THAN 1%

Optical Microscopist

B.M. Kelk, Laboratory Director

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PG. 5

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
SC12/15-3 FT	NON-FRIABLE	BROWN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/15-4	NON-FRIABLE	BLACK FIBROUS	NONE DETECTED	CELLULOSE 5%
SC12/15-5 FT	NON-FRIABLE	BLACK SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/15-6	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 3%	NONE DETECTED
SC12/15-7 FT	NON-FRIABLE	BROWN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/15-8	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 4%	NONE DETECTED
SC12/15-9 FT	NON-FRIABLE	GRAY SOLID	**NONE DETECTED	CELLULOSE 2%
SC12/15-10	NON-FRIABLE	BLACK FIBROUS	CHRYSOTILE LESS THAN 1%	CELLULOSE- LESS THAN 1%

Optical Microscopist

B.M. Kolk, Laboratory Director

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SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
SC12/15-11 FT	NON-FRIABLE	BEIGE SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/15-12	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 3%	NONE DETECTED
SC12/15-15 FT	NON-FRIABLE	BROWN SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC12/15-16	NON-FRIABLE	BLACK TAR LIKE	CHRYSOTILE 3%	NONE DETECTED
SC12/15-22	NON-FRIABLE	GREEN GRANULAR	NONE DETECTED	NONE DETECTED
SC12/15-23 FT	NON-FRIABLE	BLACK SOLID	CHRYSOTILE- GREATER THAN 1%	NONE DETECTED
SC21/15-24	NON-FRIABLE	BLACK TAR LIKE	NONE DETECTED	CELLULOSE - LESS THAN 1%
SC12/15-25A FT	NON-FRIABLE	BEIGE SOLID	**NONE DETECTED	NONE DETECTED

Optical Microscopist

B.M. Kolk, Laboratory Director

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97738

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PG. 7

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
SC12/15-25B FT	NON-FRIABLE	TAN SOLID	**NONE DETECTED	NONE DETECTED
SC12/15-25C FT	NON-FRIABLE	BEIGE SOLID	**NONE DETECTED	NONE DETECTED
SC12/15-26	NON-FRIABLE	BLACK TAR LIKE	NONE DETECTED	CELLULOSE - LESS THAN 1%

Optical Microscopist

B.M. Kolk, Laboratory Director

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97739

CLIENT:

MACTEC

DATE:

Dec 17, 2004

200 CITADEL DRIVE LOS ANGELES, CA 90040

DAIL.

DCC 17, 2004

DON HARMON

DATE ANALYZED:

Dec 16, 2004
Dec 17, 2004

ATTENTION:

BPO18040461

DATE / TIME COLLECTED:

12/13/04

SUBJECT:

Polarized Light Microscopy Analysis for Asbestos;

2 Samples

METHODOLOGY:

"Method for Determination of Asbestos in Bulk Building Materials."

EPA 600/R-93/116

ACCREDITED:

National Institute of Standards and Technology (N

(NVLAP) #101218

CERTIFIED:

California Department of Health Services Environmental Testing Laboratory ELAP 1119,

County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
SC12/13-6	NON-FRIABLE	TAN SOLID	NONE DETECTED	NONE DETECTED
SC12/13-8	NON-FRIABLE	GRAY RUBBERY RED RUBBERY	NONE DETECTED	NONE DETECTED

Optical Microscopist BMK/vm

B.M. Kolk, Laboratory Director

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♦ ADDRESS		CLIENT P.O. NO	•	
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SAMPLE PRESERVATIVES) (-)	HOLDING TIMES	3	
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97854

CLIENT:

MACTEC

200 CITADEL DRIVE

LOS ANGELES, CA 90040

H-O-J; 4952-04-2862

DATE:

Dec 22, 2004

DATE RECEIVED:

Dec 22, 2004

ATTENTION:

DON HARMON

DATE ANALYZED:

Dec 22, 2004

REFERENCE:

BP018040461

DATE / TIME COLLECTED:

BY SCOTT CAMPBELL

SUBJECT:

Polarized Light Microscopy Analysis for Asbestos;

10 Samples

METHODOLOGY:

"Method for Determination of Asbestos in Bulk Building Materials."

EPA 600/R-93/116

ACCREDITED:

National Institute of Standards and Technology (NVLAP) #101218

CERTIFIED:

California Department of Health Services Environmental Testing Laboratory ELAP 1119, County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED					
SAMPLE ID	SAMPLE LOCATION &	VISUAL	ASBESTIFORM	OTHER FIBROUS	
NUMBER	DESCRIPTION	DESCRIPTION	MINERALS	MATERIALS	
SC-12-20-01	NON-FRIABLE	BLACK TAR LIKE	NONE DETECTED	NONE DETECTED	
SC-12-20-02	FRIABLE	BEIGE FIBROUS	CHRYSOTILE 90%	CELLULOSE 2%	
SC-12-20-03	NON-FRIABLE	RED SOLID	NONE DETECTED	NONE DETECTED	
SC-12-21-01	NON-FRIABLE	TAN FIBROUS RED SOLID	NONE DETECTED	CELLULOSE 10%	
SC-12-21-02	NON-FRIABLE	BROWN GRANULAR	NONE DETECTED	NONE DETECTED	
SC-12-21-03	NON-FRIABLE	WHITE GRANULAR	NONE DETECTED	NONE DETECTED	
SC-12-22-01	NON-FRIABLE	GREEN SOLID	NONE DETECTED	NONE DETECTED	
SC-12-22-02	NON-FRIABLE	GRAY SOLID	NONE DETECTED	NONE DETECTED	

Optical Microscopist BMK/vm

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PG 1

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CONTINUED

PG. 2

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
SC-12-22-03FT	NON-FRIABLE	BLACK SOLID	**NONE DETECTED	NONE DETECTED
SC12-22-04M	NON-FRIABLE	BROWN STICKY	CHRYSOTILE 3%	NONE DETECTED

Optical Microscopist

B.M. Kolk, Laboratory Directo

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NARGRATORIES BILL West Bellevie Drive AR

加州

97715

CLIENT:

MACTEC

DATE:

Dec 15, 2004

DON HARMON

DATE RECEIVED: DATE ANALYZED:

ATTENTION:

Dec 15, 2004

REFERENCE:

BP018040461 4952-04-2862

200 CITADEL DRIVE

LOS ANGELES, CA 90044

DATE / TIME COLLECTED:

12/14/04 BY DON E. HARMON

SUBJECT:

Polarized Light Microscopy Analysis for Asbestos;

Samples

METHODOLOGY:

"Method for Determination of Asbestos in Bulk Building Materials."

EPA 600/R-93/116

ACCREDITED:

National Institute of Standards and Technology

CERTIFIED:

California Department of Health Services Environmental Testing Laboratory ELAP 1119, County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

QUALITY CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID Number	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
DH1412-01A WOVEN	NON-FRIABLE	BROWN FIBROUS	NONE DETECTED	CELLULOSE 100%
DH1412-01B BLACK	NON-FRIABLE	BLACK RUBBERY	NONE DETECTED	NONE DETECTED
DH1412-01C PAPER	NON-FRIABLE	TAN FIBROUS	NONE DETECTED	CELLULOSE 100%
DH1412-03A WOVEN	NON-FRIABLE	BEIGE FIBROUS	NONE DETECTED	CELLULOSE 98%
DH1412-03B BLACK	NON-FRIABLE	BLACK RUBBERY	NONE DETECTED	NONE DETECTED
DH1412-04	NON-FRIABLE	BROWN FIBROUS	NONE DETECTED	CELLULOSE 98%

Optical BMK/vm

The EPA method is a semi quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before friable material is considered non-asbestos-containing. These analyses were performed as a "screening" which is allowed by NVLAP, but omit some of the recommended QC of the method. **Negative floor tile samples may contain significant amounts (>1%) of very thin asbestos fibers which cannot be detected by PLM. Confirmation by X-Ray diffraction or TEM is recommended by EPA (Federal Register Vol. 59, No. 146).

This report, from a NIST accredited laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

NOTE: This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc.

PG 1

SUBMITTAL FORM/Laboratory Services	97715 PAGE OF	
TURNAROUND TIME: STD 48 HR. 24 HR.		
<8 HR. WKND OTHER:	TIME / DATE 12/14	
♦ CLIENT	DATE OF SHIPMENT CARRIER	
♦ ADDRESS	→ CLIENT P.O. NO.	
▶ TELEPHONE 323 889-5378	CLIENT JOB/PROJECT ID NO(S)	
TELEPHONE 323 807-3378 CONTACT Dm Harman	▶ PACKAGE SHIPPED FROM	
♦ RESULTS REQUESTED VIA VERBAL FAX	CLIENT FAX NO. 323 72/6700	
(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitt		
DATE/TIME OF SAMPLE COLLECTION/3//5		
SAMPLE PRESERVATIVES None	HQLDING TIMES Van	
NO. OF SAMPLES SENT SAMPLER'S	NAME SIGNATURE PRINTED	<u> ر</u>
▶ TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FIL		
(FOR EMS ONLY)	VOLUME	
EMS Sample No. CLIENT SAMPLE NO.	TIME.WE DESCRIPTION-LOCATION/ANALYSIS TIME.WE	
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	3. paper	
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(NOTE: If the package has sustained substantial damage of the custody seal is of	owe, sop and comme the project manager and the simples.)	
No. of Samples	♦ Chain-of-Custody Signature	•
Date of Acceptance into Sample Bank 12-14-04	Misc. Info.	1.
Disposition of Samples ±MS LOBS		

DATE:

December 29, 2004

CLIENT:

MACTEC

200 Citadel Dr.

Los Angeles, CA 90040

ATTENTION:

Don Harman

REFERENCE:

4952-04-2862/01 PO# BPO18040461

REPORT NO:

97782

DATE COLLECTED:

12/13/04 by Don Harmon

DATE RECEIVED:

12/20/04 at 0800

DATE ANALYZED:

12/22/04

SUBJECT:

QUANTITATIVE ANALYSIS OF SAMPLES BY TEM

ACCREDITED:

National Institute of Standards and Technology through NVLAP (101218)

One sample, was identified as DH-12-18-01, which consisted of 0.4" paper discs was submitted for asbestos analysis and determination of weight percent if asbestos was present.

The paper discs were weighed and ultrasonicated in distilled, fiber-free water to remove particulates from the paper. The washing from the sonication was filtered onto a preweighed filter. The filter was dried and weighed to determine the weight of the particulates. Since some of the paper fibers were present in the washings, the filter was ashed in a plasma asher to remove all organics. The remaining residue was suspended in 100 ml of distilled, fiber-free water. Aliquots were filtered onto 47 mm MCE filters and prepared for TEM examination. A known area of the filter is examined in the TEM for asbestos fibers and analyzed by the methods described in U.S. EPA 600/4-83-043 and EPA/600/R-93/116. Each asbestos fiber is sized for length, width, and thickness. From the amount of original sample, the aliquot that was filtered, the size of the individual fibers and the density of the asbestos fiber, a weight percent is determined.

The test reports are enclosed.

Respectfully submitted, EMS LABORATORIES, INC.

B. M. Kolk

Laboratory Director

BMK/ah

NOTE: The results of the analysis are based upon the samples submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

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Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter, the samples were received properly packaged, clearly identified and intact.

SUMMARY OF TEM CHRYSOTILE STRUCTURE ANALYSIS

EMS No.

97782

Date 12/22/04

Sample Description

DH-12-18-01

Client

Mactec

Volume of Sample (L)

0.1

Filter Area (mm^2)

1017

Working Volume (ml)

0.5

Area Analyzed (mm^2)

0.186

Weight of Sample (g)

3.2644

No. of Structures

15

Weight of Chrysotile Analyzed (ug)

2.5E-07

Detection Limit (MFG)

0.3

Mass =

8E-08 gram of Chrysotile/gram of Sample

Mass =

0.000008 % of Chrysotile

MFG: Million Fibers per Gram of Sample

FMS Let No. 7 7 7 8 6	MICROSCOPE H600A – Serial No. 542-24-03 H600B – Serial No. 542-05-06 H600C – Serial No. 542-36-01 Grid Address Screen Magnification	Camera Constant Accelerating Voltage Beam Current K-Factor Analyst Analyst		Ca Fe Comments	C/A	M.) (<u>3</u>	FO.	By alumic sites	- I			Heaw Very Heaw	Heavy	2503 • (626) 568-4065
10-8/751-HQ0N	DIRECT PREP State	1 Volume 0.5 ml Read	EDS Analysis	AQ ADQ AZQ AZZ Na Mg Si	(0)	<u> </u>		2	01 0					Moderate X	Moderate ☐ Undissolved Filter ☐	Pasadena, California 91105-2503
	SE SIZE RESIZE	Id	Fiber Classification	CM CD CQ CMQ CDQ BF AD AX ADX	>			>		>				Very Light ☐	Ssum: Sery Light Light Corid: Scrappy	ES 117 West Bellevue Drive •
#SBESTOS ANALTSI	Water All Sizes (EPA) Water All Sizes (EPA) Bulk (µm) ≥ 0.5 Sub ≥ 10 Sub	ASPECT RATIO 3:1	Structure	Width	200	30) OCN	81	7	7				OBSERVATIONS: CI	Gypsum: Condition of the Grid:	EMS LABORATORIES
FEM #	TYPE O Air C Soil C Other METHOD OF EPA 600:4-83-043 Chrysotie	Amphibole Approved By	Grid Structure	Opening Number	45.5	42 %	77,4	70	3 ¹ -			00-21)	Ar - Ma			

22-Dec-2004 12:21:49

97782, DH-12/18-01, A, #01, RS

200 counts Disp= 1 Vert

Preset= Off

Elapsed= 26 secs

Energy · Counts

X-Ray Lines

1.26 210. Mg K , Mg K , Mg K , As L , As L

1.74 186. SiK, SiK, TaM, WM, TaM,

W M , Ta M

Quarricex>

0.000

Range=

10.230 keV

10.110

Integral 0 =

1502

22-Dec-2004 12:27:57

97782, DH-12/18-01, A, #02, RS

200 counts Disp= 1

Preset= Off

Elapsed=

34 secs .

Energy Counts X-Ray Lines

Mg K , Mg K , As L , As L 1.26 ees.

Sik, Sik, Tam, W M, TaM, 1..74 207.

W M , Ta M

Quantex>

0..000 Range= 10.230 keV 10.110

Integral 0 =

1732

22-Dec-2004 12:21:46

97782,DH-12/18-01,A,#01,FS

200 counts Disp= 1 Vert:

Preset= Off

Elapsed= 26 secs

Energy Counts X-Ray Lines

1.26 210. Mg K , Mg K "Mg K , As L , As L

1..74 186. SiK, SiK, TaM, WM, TaM,

W M , Ta M

Quarrbex>

0..000 Range= 10.230 keV 10.110

Integral 0 =

1502

22-Dec-2004 12:45:45

97782, DH-12/18-01, A, #03, KS Preset= Off Vert= 200 counts Disp= 1 16 secs Elapsed= Energy Counts X-Ray Lines 1..26 139.. Mg K , Mg K , Mg K , As L , As L 1.75 142.. SiK, SiK, WM, WM

Quantex>

Range= 10.230 keV 0..000 10.110 Integral 0 = 4075

22-Dec-2004 12:48:18

Preset= Off 97782, DH-12/18-01, A, #04, RS 200 counts Disp= 1 Elapsed= 67 secs Energy Counts X-Ray Lines 426. Mg K , Mg K , Mg K , As L , As L 1.26

1..74 441. Sik, Sik, Tam, Wm, Tam, W M , Ta M

Quantex>

0.000 Range= 10.230 keV 10.110 4075 Integral 0 =

22-Dec-2004 12:28:01

97782, DH-12/18-01, A, #Ø2, RS Preset= Off 200 counts Disp= 1 34 secs Elapsed= Energy Counts X-Ray Lines

1.26 *er*es. Mg K , Mg K , As L , As L

1..74 207. SiK, SiK, TaM, WM, TaM, WM, Tam

Quarrtex>

0..000 10.230 keV Range= 10.110 Integral 0 = 1732

22-Dec-2004 12:45:42

97782,DH-12/18-01,A,#03,RS Preset= Off Vert= 200 counts Disp= 1 Elapsed= 16 secs Energy Counts X-Ray Lines

1.26 139.. Mg K , Mg K , As L , As L

1...75 142. Sik, Sik, WM, WM

Quantex>

0.000 Range= 10.230 keV 10.110

Imbegral 0 = 1064 82-Dec-2004 12:49:21

Quantex>

0.000 Range= 10.230 keV

10.110 Integral 0 = 4075

FEW ESE	HSPEST CS. AV		Sample No 7/17/1/19/19/19/19	<i>T</i>	No. of
				Grid Address Screen Magn Camera Cont	MICR -Serial I -Serial I
KE					2 Pare 12 p
Grid Structure Structure	Dimensions (mm)	Fiber Classification		EDS Analysis	
Number	Width Length	NAM TM CM CD CQ CMQ CDQ UF A	AD AX ADX AQ ADQ AZQ AZZ Na	Mg Si Ca Fe	Comments
144 NSV	•				
130 NSD					
Sib NSD					
(33. 7 F	707				
361 3 5	200				
3624	201				
7					
OBSEKVATIONS:	NS: Condition of the Grid:	ris: Very Light Light Light Scrappy	Moderate Moderate Moderate Undissolved Filter	Heavy ☐ Ve Heavy ☐ Ve Folded ☐	Very Heavy □ Very Heavy □
I SVYE EVYE	ABOBAT	טונט			

EMS LABOHARORIES 117 West Bellevue Drive • Pasadena, California 91105-2503 • (626) 568-4065

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MICROSCOPE

No.

MS Page.

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Structure Number Number Structure Number Structure Number Structure Nighth Length NAM T 2 2 2 2 2 2 2 2 2 2 2 2 2	H600A – Serial No. 542-36-01 H600B – Serial No. 542-24-03 Grid Address Screen Magnification Accelerating Voltage Beam Current K-Factor Analyst Analyst		M CM CD CQ CMQ CDQ UF AD AX ADX AQ ADQ AZQ AZZ Na Mg Si Ca Fe			\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\										
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		l		OCM	25	7	1	RS	1	2	12	16	7			BSERVATION

EMS LABORATORIES 117 West Bellevue Drive • Pasadena, California 91105-2503 • (626) 568-4065

TEM Method for Bulk Samples

LAB NO:

97782

CLIENT:

Mactec

			FILTER	MEDIA DATA			
Laboratory I.D.	Client I.D.	Туре	Diameter mm	Effective Area	Weight gr.	Working Volume ml.	Volume liters
97782-01	DH-12-18-01	MOE	47	1017	3.2644	0.5	0.1
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INDIVIDUAL ANALYTICAL RESULTS

Laboratory		No. of Asbestos	Analytical	Mass;	Weight Percent
I.D.	I.D.	Str	Sensitivity, MFG	Gram of Asbestos/Gram of sample	of Asbestos
97782-01	DH-12-18-01	15	0.3	8.00E-08	0.000008
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The analysis was carried out to the approved TEM method. This laboratory is in compliance with the quality specified by the method.

Authorized Signature

SUBMITTAL FO	ORM/Laboratory	Services		PAGE	/ OF
TURNAROUND TIME: ST	D 48 HR. ✓	24 HR.	♦RELINQUISHED	BY JAY Fla	in-
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▶ ADDRESS		· · · · · · · · · · · · · · · · · · ·	♦ CLIENT P.O. NO. "_		<u></u>
1 972	889 -53781	1006 511 10	CLIENT JOB/PROJ		
TELEPHONE 363 CONTACT Kick Ha			1,	7-2862/01	
CONTACT TECK FILE	narco A son 1		▶ PACKAGE SHIPPE		· · · · · · · · · · · · · · · · · · ·
♦ RESULTS REQUESTED (NOTE: Complete written reports will foll	VIA VERBAL ow all analyses, in addition to an	FAX y prior transmitted verbal	CLIENT FAX NO.	373\721-670	0
DATE/TIME OF SAMPLE	COLLECTION	: 12/13	· · · · · · · · · · · · · · · · · · ·	•	
SAMPLE PRESERVATIV			HOLDING TIMES		
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(FOR EMS ONLY)					VOLUME.
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Date of Package Delivery			_ ♦ Shipping Bill Retained:	YES NONE	
Condition of Package on Receipt	substantial damage or the our	tody seal is howen sto	_ ♦ Condition of Custody Seal		
(NOTE: If the package has sustained	nostantial datiage of the cust		h min courset the brolect mans	isor and the simplest.)	
♦ No. of Samples			▶ Chain-of-Custody Signatu	re	
Date of Acceptance into Sample Ba	$nk = \frac{7 - 7}{2}$	6 CK111-	Misc. Info.		
Disposition of Samples		14.649			
MG EMS LABO	RATORIES	117 West Bellev	vue Drive / Pasadena	CA 91105-2503 /	626-568-4065

No. of	MICROSCOPE H600A – Serial No. 542-36-01 H600B – Serial No. 542-05-06	H600C – Serial No. 542-24-03	ation (926) X	lage OWAY	14 Date 14/2/04	Comments	COMMISSION] Very Heavy □] Very Heavy ∐]
122/04 Page	<i></i>	SX.		Accelerating Voltage Beam Current K-Factor	Analyst	EDS Analysis	Mg Si Ca Fe															Heavy Folded
Slankiz	DIRECT PREP INDIRECT PREP		liters Illers	grams SA	holas		AQ ADQ AZQ AZZ Na														Moderate	Moderate Undissolved Filter
Sample No.	ONI	а¢	Volume Working Volume		Date 12	Fiber Classification	AD AX ADX															☐ Crappy ☐ Scrappy ☐
LYSIS	PPE LARKEA (mm±) 385 □ 314 □ 1017 □		0ther	alyze 20		Fiber Cla	D CQ CMQ CDQ UF														Very Light ☐	Cood Light
SANA		•	width 0.45	G.O. Area (mm²) 0.0 C No. of G.O. to Analyza			NAM TM CM CD														Clean Debrise	Condition of the Grid:
ESTO	All Sizes (µm)		Sect 1		,	Dimensions (mm)	Width Length							·								Con
TEM ASBESTOS ANAI	TYPE OF SAMPLE Air Water Soil Bulk	NETHOD OF ANALYSIS EPA 6004-83-043 Z ISO	LEVEL OF ANALYSI Chrysotile Control Amphibole	ASPECT RATIO 3:1		Structure Structure	- 12	NS/V	NSK	USD	USIN	V\$V	NSD	NSD	NKD	1/8N	W\$V				OBSERVATIONS:	
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Velo															ATV	Grid A Screen Camera	Grid Address Screen Magnification Camera Constant Accelerating Voltage	28-42 × 100 KV	
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Grid	Structure	Structure	Dimensi	Dimensions (mm)				E	ber Cla	Fiber Classification	Ĕ			F	EDS ,	EDS Analysis		1-1	
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117 West Bellevue Drive • Pasadena, California 91105-2503 • (626) 568-4065 A CHES

(10-8) BI - MET

97904

CLIENT:

MACTEC

200 CITADEL DRIVE

DATE:

Dec 29, 2004

LOS ANGELES, CA 90040

DATE RECEIVED:

Dec 29, 2004

ATTENTION:

DON HARMAN

DATE ANALYZED:

Dec 29, 2004

REFERENCE:

BP018040461

DATE / TIME COLLECTED:

NOT PROVIDED

SUBJECT:

Polarized Light Microscopy Analysis for Asbestos;

METHODOLOGY:

"Method for Determination of Asbestos in Bulk Building Materials."

EPA 600/R-93/116

ACCREDITED:

National Institute of Standards and Technology

(NVLAP) #101218

CERTIFIED:

California Department of Health Services Environmental Testing Laboratory ELAP 1119, County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

	ROL SAMPLE (SRM 1866 GLASS		BLANK): NUNE DETECT	<u> </u>
SAMPLE ID	SAMPLE LOCATION &	VISUAL	ASBESTIFORM	OTHER FIBROUS
NUMBER	DESCRIPTION	DESCRIPTION	MINERALS	MATERIALS
A-SC-12-29-01	NON-FRIABLE	BROWN CORK	NONE DETECTED	NONE DETECTED
A-SC-12-29-02 PLASTER	NON-FRIABLE	GRAY GRANULAR	NONE DETECTED	NONE DETECTED
A-SC-12-29-02 MASTIC	NON-FRIABLE	BLACK TAR LIKE	NONE DETECTED	CELLULOSE- LESS THAN 1%
A-SC-12-29-04 FT	NON-FRIABLE	BLACK SOLID	"NONE DETECTED	NONE DETECTED
A-SC-12-29-21	NON-FRIABLE	WHITE GRANULAR	NONE DETECTED	NONE DETECTED
A-SC-12-29-22	NON-FRIABLE	BEIGE GRANULAR YELLOW GRANULAR	NONE DETECTED	NONE DETECTED
A-SC-12-29-23	·	GRAY GRANULAR	NONE DETECTED	NONE DETECTED
A-SC-12-29-24	NON-FRIABLE	BEIGE GRANULAR	NONE DETECTED	NONE DETECTED

Optical Microscopist BMK/vm

The EPA method is a semi quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before friable material is considered non-asbestos-containing. These analyses were performed as a screening which is allowed by NVLAP, but omit some of the recommended QC of the method. "Negative floor tile samples may contain significant amounts (>1%) of very thin asbestos fibers which cannot be detected by PLM. Confirmation by X-Ray diffraction or TEM is recommended by EPA (Federal Register Vol. 59, No. 146).

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PG 1

CONTINUED

PG. 2

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
A-SC-12-29-25	NON-FRIABLE	YELOW GRANULAR	NOME DETECTED	NONE DETECTED
A-SC-12-29-26	NON-FRIABLE	TAN GRANULAR	NONE DETECTED	NONE DETECTED

Optical Microscopist

The EPA method is a semi quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent

upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material. The test results reported are for the sample or samples delivered to us and may not represent the entire material from which

the sample was taken. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before friable material is considered non-asbestos-containing. These analyses were performed as a screening which is allowed by NVLAP, but omit some of the recommended QC of the method. **Negative floor tile samples may contain significant amounts (>1%) of very thin asbestos fibers which cannot be detected

by PLM. Confirmation by X-Ray diffraction or TEM is recommended by EPA (Federal Register Vol. 59, No. 146).

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22	A-SC-12-29-21	18.5 N.S -	- SOUTH WALL		
23	A-SC-12-29-23	16,5-N,5-, 8th FL RM 803-	NORTH WALL		
25	A-SC-12-29-25 A-SC-12-29-26	11.5 N.5	OWER PERIMETED		
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97960

CLIENT:

MACTEC

DATE:

Jan 6, 2005

200 CITADEL DRIVE LOS ANGELES, CA 90040

Jan 5, 2005

DON HARMAN

DATE RECEIVED:

..

DATE ANALYZED:

Jan 6, 2005

REFERENCE:

ATTENTION:

BPO18040461 4952-04-2862/04

DATE / TIME COLLECTED:

12/28/04 TO 1/4/05 BY D. HARMAN

SUBJECT:

Polarized Light Microscopy Analysis for Asbestos;

2 Samples

METHODOLOGY:

"Method for Determination of Asbestos in Bulk Building Materials."

EPA 600/R-93/116

ACCREDITED:

National Institute of Standards and Technology

(NVLAP) #101218

CERTIFIED:

California Department of Health Services Environmental Testing Laboratory ELAP 1119, County Sanitation Districts of Los Angeles County, Laboratory Identification No. 10120

,	QUALITY CONTR	<u>OL SAMPLE (SRM 1866 GLASS</u>	FIBERS AS THE	BLANK): NONE DETECTE	<u>D</u> .
l	SAMPLE ID	SAMPLE LOCATION &	VISUAL	ASBESTIFORM	OTHER FIBROUS
1	NUMBER	DESCRIPTION	DESCRIPTION	MINERALS	MATERIALS
1		NON-FRIABLE	BLACK RUBBERY	NONE DETECTED	CELLULOSE 10%
	DH12/28-01		BLACK FIBROUS		
	DH1/4-01	NON-FRIABLE	WHITE GRANULAR	NONE DETECTED	NONE DETECTED

Optical Microscopist
BMK/vm

B.M. Kolk, Laboratory Director

The EPA method is a semi quantitative procedure. The detection limit is between 1/10 to 1 percent by area and is dependent upon the size of the asbestos fibers, the means of sampling and the matrix of the sampled material.

The test results reported are for the sample or samples delivered to us and may not represent the entire material from which the sample was taken. The EPA recommends three samples or more be taken of a "homogeneous sampling area" before friable material is considered non-asbestos-containing. These analyses were performed as a screening which is allowed by NVLAP, but omit some of the recommended QC of the method. "Negative floor tile samples may contain significant amounts (>1%) of very thin asbestos fibers which cannot be detected

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PG 1

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APPENDIX D
XRF REPORTS, LEAD, SECTION 4.2

LEAD BASED PAINT INSPECTION

FOR

HALLWAYS

Located At:
Hall of Justice
210 West Temple Street
Los Angeles, California

Prepared for:



Los Angeles County Department of Public Works 900 South Fremont Avenue, Alhambra, CA 91803

Prepared by:

Aurora Industrial Hygiene 3620 Long Beach Boulevard, Suite C1 Long Beach, California 90807 (562) 988-8993

Aurora Project No. 33087

September 27, 2004

Prepared By:	•		Date:	
	Grace M	. Rinck, CIH,	DHS Inspector/Assessor AURORA	

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4.0 DISCUSSION	10
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FEDERAL EPA	11
HANDLING/DISPOSAL	11
Outside of California	

USE OF THIS REPORT

This report is intended to provide an understanding of the potential hazards that the properties evaluated in this report may pose to human health due to lead based paint. This report is based primarily upon data and information obtained during a visit by Aurora Industrial Hygiene Inc. (Aurora) to the property identified herein on September 22, 2004 and is based solely upon the condition of the property on the date of such assessment.

Aurora has performed this work, made the findings, and proposed the recommendations described in this report in accordance with generally accepted environmental science practices for lead inspections in effect in the Southern California area at the time the work was performed. This warranty stands in lieu of all other warranties, expressed or implied. While this report can be used as a guide, it must be understood that it is neither a rejection nor an endorsement of the properties. It must also be understood that changing circumstances in the environment and in the use of the properties can alter radically the conclusions and information contained in this report.

1.0 INTRODUCTION

This report documents the findings, recommendations, and conclusions from the sampling conducted by Robert Rinck, California Department of Health Services (DHS) Certified Lead Inspector/Risk Assessor on September 22, 2004. The purpose of the survey was to determine the existence and location of lead based coatings on painted hallway surfaces at the Hall of Justice Building located at 210 West Temple Street, Los Angeles, California. Not all hallways were inspected. Locations were chosen based upon expected routes for planned document removal. Recommendations regarding proper handling and notification are also provided in this report.

Lead based paint, defined as a reading of >0.7 mg/cm², was detected on the following substrates:

Floor	Location	Substrate	Condition
Basement	South Hall	Green doors (metal)	Fair
Basement	South Hall	Green doors (wood)	Fair
Basement	Elevator Lobby	Beige HVAC Ducts	Fair
Basement	South Hall	Lower Walls, black	Poor
Basement	South Hall	Black doorframes	Intact
Basement	Elevator Lobby	Upper Walls, black	Fair
Basement	South Hall	Lower Columns, black	Poor
Basement	West Hall	Lower Wall, green	Poor
Basement	West Hall	Upper Walls, white	Poor
4th Floor	West Hall	Tan window frames	Fair
4th Floor	Column P5 ¹	Beige window sashes	Intact
4th Floor	Column P5	Beige outer window frames	Fair
6th Floor	Column P5	Beige window sashes	Fair
8th Floor	Column P5	White window sashes	Fair
8th Floor	Column P5	White window frames	Fair
10th Floor	East Hall	Walls, tan	Fair
10th Floor	West Hall	Gray cell doors	Poor
11th Floor	East Hall	Walls, beige	Fair
11th Floor	West Hall	Walls, beige	Fair
12th Floor	West Hall	Walls, tan	· Intact
12th Floor	East Hall	Walls, tan	Intact
12th Floor	East Hall	Gray cell bars	Poor
13th Floor	East Hall	Walls, tan	Intact
13th Floor	West Hall	Brown doorframes	Fair
13th Floor	West Hall	Ceiling, white	Poor
13th Floor	West Hall	Blue baseboard	Fair
13th Floor	West Hall	Brown doors	Fair
13th Floor	West Hall	Upper Walls, beige	Fair
13th Floor	West Hall	Ceilings, blue	Poor
13th Floor	West Hall	Walls, blue	Fair
13th Floor	West Hall	Ceiling, beige	Poor

¹ Column P5 is the proposed exterior elevator access area for document removal Hall of Justice
Lead Based Paint Inspection - Hallways

Floor	Location	Substrate	Condition
14th Floor	North Hall	Ceilings	Poor
14th Floor	North Hall	Walls	Poor
14th Floor	North Hall	Walls	Poor
14th Floor	East Hall	Walls	Poor
14th Floor	North Hall	Walls	Fair
14th Floor	East Hall	Ceilings	Poor
14th Floor	North Hall	Walls	Poor

2.0 SAMPLING

X-ray fluorescence (XRF) instrumentation was utilized to determine if lead-based paint was present. Painted surfaces of various components were sampled using XRF analysis with a NITON instrument, (serial number U3949NR4598). A reading of >0.7 mg/cm² was considered positive for lead based paint, in accordance with Los Angeles County regulations for Lead Based Paint Inspections.

3.0 SAMPLE DATA

The following data tables summarize the data. The table columns are identified below:

Building Identifies the building tested.

Location Identifies the side of the building tested (side 'A' is the main entry of the

building, which is in this case, the East side)

Component Identifies the actual component tested.

Substrate The material of the tested component.

Color The visible color of the tested component.

Condition The condition of the paint was determined, as defined in the HUD

Guidelines for the Evaluation and Control of Lead-Based Paint Hazards

in Housing:

Intact – the entire surface is intact.

Fair – less than or equal to ten percent of the total surface area of the component is deteriorated.

Poor – more than ten percent of the total surface area of the component is deteriorated.

The reading displayed by the XRF in milligram per square centimeter.

Pb

Table 3.1: Positive XRF Summary Table

Floor	Area	Location	Component	Substrate	Color	Condition	Pb
Basement	South Hall	D	Door	Metal	Green	Fair	16
Basement	South Hall	D	Door	Wood	Green	Fair	10
Basement	Elevator	ABCD	HVAC Duct	Metal	Beige	Fair	4.6
	Lobby						
Basement	South Hall	D	Lower Wall	Concrete	Black	Poor	2
Basement	South Hall	D	Door Frame	Metal	Black	Intact	1.3
Basement	Elevator	D	Upper Wall	Concrete	Black	Fair	0.9
Basement	Lobby South Hall	В	Lower Column	Concrete	Plack	Door	0.0
Basement	West Hall	C C	Lower Column Lower Wall	Concrete	Black	Poor	0.8
Basement	West Hall	C		Concrete	Green	Poor	0.7
4th Floor	West Hall		Upper Wall Window Frame	Concrete	White	Poor	0.7
4th Floor	Column P5	A D	l	Wood	Tan	Fair	2.1
4th Floor	Column P5	D	Window Sash Outer Window	Metal	Beige	Intact	2.1
4111 F1001	Column P5		Frame	Wood	Beige	Fair	0.7
6th Floor	5/P	D	Window Sash	Metal	Beige	Fair	2.1
8th Floor	5/P	D ·	Window Sash	Metal	White	Fair	3.6
8th Floor	5/P	D	Window Frame	Wood	White	Fair	2
10th Floor	East Hall	Α	Wall	Brick	Tan	Fair	21
10th Floor	West Hall	В	Cell Door	Metal	Gray	Poor	3.4
11th Floor	East Hall	. C	Wall	Brick	Tan	· Fair	33
11th Floor	West Hali	Α	Wall	Brick	Tan	Fair	30
12th Floor	West Hail	Α	Wall	Brick	Tan	Intact	31
12th Floor	East Hall	С	Wall	Brick	Tan	Intact	14
12th Floor	East Hall	Α	Cell Bars	Metal	Gray	Poor	2
13th Floor	East Hall	С	Wall	Brick	Tan	Intact	25
13th Floor	West Hall	С	Door Frame	Metal	Brown	Fair	8.7
13th Floor	West Hall	ABCD	Ceiling	Concrete	White	Poor	4.1
13th Floor	West Hall	D	Baseboard	Concrete	Blue	Fair	2.1
13th Floor	West Hall	C	Door	Metal	Brown	Fair	2
, 13th Floor	West Hall	Α	Upper Wall	Concrete	Beige	Fair	1.9
13th Floor	West Hall	ABCD	Ceiling	Concrete	Blue	Poor	1.7
13th Floor	West Hall	Α	Wall	Concrete	Blue	Fair	0.9
13th Floor	West Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.7
14th Floor	North Hall	ABCD	Ceiling	'Concrete	Blue	Poor	22
14th Floor	North Hall	В	Wall	Concrete	Beige	Poor	7.8
14th Floor	North Hall	С	Wall	Concrete	Blue	Poor	3.1
14th Floor	East Hall	С	Wall	Concrete	Beige	Poor	2.3
14th Floor	North Hall	Đ	Wall	Plaster	Blue	Fair	2
14th Floor	East Hall	ABCD	Ceiling	Concrete	Beige	Poor	2
14th Floor	North Hall	В	Wall	Plaster	Beige	Poor	1.8

Table 3.2: XRF Readings Summary Table

Floor	Area	Location	Component	Substrate	Color	Condition	515
Basement	· · · · · · · · · · · · · · · · · · ·	A			Color	Condition	Pb
			Upper Wall	Brick	White	Fair	0.13
Basement Basement		A D	Lower Wall	Brick	Black	Fair	0.21
Basement		D	Upper Wall	Concrete	White	Fair	0.04
			Lower Wall	Concrete	Black	Fair	0.18
Basement		D	Door Frame	Metal	Black	Intact	1.3
Basement	<u> </u>	D	Door	· Wood	Green	Fair	10
Basement	South Hall	D	Door	Metal	Green	Fair	16
Basement	South Hall	В	Upper Column	Concrete	White	Poor	0.5
Basement	South Hall	В	Lower Column	Concrete	Black	Poor	0.8
Basement	South Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.47
Basement	South Hall	D	Lower Wall	Concrete	Black	Poor	2
Basement	South Hall	D	Upper Wall	Concrete	White	Fair	0.39
Basement	South Hall	С	Ramp Sides	Concrete	Red	Fair	0.43
Basement	West Hall	С	Lower Wall	Concrete	Green	Poor	0.7
Basement	West Hall	С	Upper Wall	Concrete	White	Poor	0.7
Basement	West Hall	С	Door Frame	Metal	Brown	Intact	0
Basement	West Hall	С	Door	Metal	Brown	Intact	0.05
Basement	West Hall	ABCD	Ceiling	Concrete	Silver	Poor	0.36
Basement	Elevator Lobby	D	Lower Wall	Concrete	White	Fair	0.6
Basement	Elevator Lobby	D	Upper Wall	Concrete	Black	Fair	0.9
Basement	Elevator Lobby	ABCD	Ceiling	Concrete	Beige	Poor	0.6
Basement	Elevator Lobby	ABCD	Pipe	Metal	Silver	Fair	0.04
Basement	Elevator Lobby	ABCD	HVAC Duct	Metal	Beige	Fair	4.6
Basement	Supply East Hall	В	Wall	Brick	White	Fair	0.28
Basement	Supply East Hall	Α	Upper Wall	Brick	White	Poor	0.04
Basement	Supply East Hall	Α	Lower Wall	Brick	Green	Poor	0.18
Basement	Supply East Hall	С	Upper Wall	Concrete	White	Poor	0.14
Basement	Supply East Hall	С	Lower Wall	Concrete	Green	Poor	0.01
Basement	Southeast Stairwell	В	Wall	Concrete	Beige	Poor	0.14
Basement	Southeast Stairwell	С	Ceiling	Brick	Beige	Poor	0.04
1st Floor	East Hall	C.	Wall	Concrete	Beige	Poor	0.2
1st Floor	East Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.02
1st Floor	South Hall	D	Wali	Plaster	Beige	Poor	0.22
1st Floor	South Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.03
1st Floor	South Hall	С	Wall	Plaster	Beige	Poor	0.13
1st Floor	Service Corridor	В	Wali	Plaster	Beige	Poor	0.07
1st Floor	Service Corridor	ABCD -	Ceiling	Concrete	Beige	Poor	0.27
1st Floor	Service Corridor	С	Door Frame	Metal	Tan	Fair	0.03
1st Floor	Service Corridor	С	Door	Metal	Tan	Poor	0.05
1st Floor	Loading Area	Α	Lower Wall	Concrete	Tan	Poor	0.3
1st Floor	Loading Area	A	Upper Wall	Concrete	White	Fair	0.22
	<u> </u>		-LL				

Hall of Justice Lead Based Paint Inspection – Hallways

Page 7 of 13 September 22, 2004

Floor	Area	Location	Component	Substrate	Color	Condition	Pb
1st Floor	Loading Area	ABCD	HVAC Duct	Metal	White	Poor	0.11
1st Floor	Stairwell #1	В	Wall	Plaster	Beige	Poor	0.19
1st Floor	Stairwell #1	ABCD	Ceiling	Plaster	Beige	Poor	0.13
1st Floor	Stairwell #1	С	Hand rail	Wood	Stain	Intact	0
2nd Floor	East Hall	A	Wall	Plaster	White	Intact	0.07
2nd Floor	East Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.11
2nd Floor	South Hall	В	Wall	Plaster	White	Poor	0.05
2nd Floor	South Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.07
2nd Floor	Service Corridor	A	Lower Wall	Plaster	Tan	Fair	0
2nd Floor	Service Corridor	A	Upper Wall	Plaster	White	Fair	0
2nd Floor	West Hall	С	Wall Panel	Metal	Tan	Intact	-0.6
2nd Floor 2nd Floor	West Hall	В	Door Frame	Metal	Tan	Fair	0.12
	West Hall	В	Door .	Wood	Tan	Fair	0.01
2nd Floor	North Hall	В	Lower Wall	Plaster	Tan	Intact	0.03
2nd Floor	North Hall	В	Upper Wall	Plaster	White	Intact	-0.3
3rd Floor 3rd Floor	East Hall East Hall	A	Wall	Plaster .	White	Poor	0.03
3rd Floor	East Hall	D B	Door Frame	Metal	Blue	Intact	0.33
3rd Floor		D	Door	Metal	Blue	Intact	0
3rd Floor	Elevator Lobby Elevator Lobby	В	Wall	Plaster	Beige	Poor	-0.1
3rd Floor	Elevator Lobby	ABCD	Wall	Plaster	Beige	Poor	0.2
3rd Floor	West Hall	B	Ceiling Wall	Plaster	Beige	Poor	-0.5
3rd Floor	Column P5	D	Wall	Plaster Plaster	Blue	Intact	0.01
4th Floor	East Hall	A	Wall	Plaster	Beige	Intact	0.2 0.11
4th Floor	East Hall	C	Wall	Plaster	Beige Beige	Intact Intact	0.11
4th Floor	East Hall	C	Baseboard	Wood	Tan	Poor	. 0
4th Floor	East Hall	C	Lower Wall	Plaster	Blue	Fair	-0.3
4th Floor	East Hall	C	Upper Wall	Plaster	Blue	Poor	-0.3
4th Floor	East Hall	A	Column	Plaster	Blue	Poor	0.2
4th Floor	South Hall	В	Wall	Plaster	Beige	Poor	0.2
4th Floor	South Hall	C	Door Frame	Wood	Beige	Poor	0.11
4th Floor	South Hall	C	Door	Wood	Beige	Fair	0.11
4th Floor	West Hall	C	Wall	Plaster	Beige	Poor	0.05
4th Floor	West Hall	A	Window Frame	Wood	Tan	Fair	2.1
4th Floor	Elevator Lobby	В	Wall .	Plaster	Beige	Fair	-0.1
4th Floor	Elevator Lobby	ABCD	Ceiling	Plaster	Beige	Poor	0.05
4th Floor	Column P5	D	Wall	Plaster	Beige	Fair	0.55
4th Floor	Column P5	D	Window Frame	Metal	Beige	Fair	0.36
			Inner				
4th Floor	Column P5	D	Window Sash	Metal	Beige	Intact	2.1
4th Floor	Column P5	D	Outer Window Frame	Wood	Beige	Fair	0.7
4th Floor	Column P5	D	Baseboard	Wood	Beige	Fair	0.12
4th Floor	Column P5	D	Baseboard	Metal	Beige	Fair	0.26
4th Floor	North Hall	В	Wall	Plaster	Beige	Poor	-0.5
4th Floor	Stairwell #1	В	Wall	Plaster	Beige	Poor	-0.7
5th Floor	East Hall	Α	Wall	Plaster	Beige	Poor	-0.7

		*					
Floor	Area	Location	Component	Substrate	Color	Condition	Pb
5th Floor	East Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.06
5th Floor	East Hall	В	Wall	Plaster	Beige	Poor	0.1
5th Floor	South Hall	В	Wall	Plaster	Beige	Poor	0.1
5th Floor	West Hall	С	Wall	Plaster	Beige	Poor	0.18
5th Floor	North Hall	В	Wall	Plaster	Beige	Poor	0.12
5th Floor	North Hall	ABCD	Ceiling	Plaster	Beige	Fair	0
5th Floor	Elevator Lobby	D	Wall	Plaster	Beige	Poor	0.05
6th Floor	East Hall	A	Wall	Plaster	Beige	Poor	-0.7
6th Floor	South Hall	D	Wall	Plaster	Beige	Poor	-0.7
6th Floor	South Hall	ABCD	Ceiling	Plaster	Beige	Poor	-0.5
6th Floor	West Hall	С	Wall	Plaster	Beige	Fair	-0.8
6th Floor	Elevator Lobby	С	Ceiling	Plaster	Beige	Poor	-0.2
6th Floor	5/P	D	Wall	Plaster	Beige	Fair	0.14
6th Floor	5/P	D	Window Frame	Wood	Beige	Fair	0.37
6th Floor	5/P	D	Window Sash	Metal	Beige	Fair	2.1
6th Floor	North Hall	В	Wall	Plaster	Beige	Poor	0.05
7th Floor	East Hall	A	Wall	Plaster	Beige	Poor	0.1
7th Floor	East Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.01
7th Floor	South Hall	В	Wall	Plaster	Beige	Poor	-0.4
7th Floor	West Hall	A	Wall	Plaster	Beige	Poor	0.03
8th Floor	South Hall	В	Wall	Plaster	Beige	Poor	0.07
8th Floor	South Hall	ABCD	Ceiling	Plaster	Beige	Poor	. 0.2
8th Floor	West Hall	C	Wall	Plaster	Beige	Poor	-0.2
8th Floor	West Hall	ABCD	Ceiling	Plaster	Beige	Poor	-0.2
8th Floor 8th Floor	5/P 5/P	D	Wall	Plaster	White	Poor	0.02
8th Floor	5/P	D D	Window Frame	Wood	White	Fair	2
9th Floor	North Hall	D	Window Sash	Metal	White	Fair	3.6
9th Floor	North Hall	ABCD	Wall	Plaster	Beige	Poor	0.07
9th Floor	East Hall	ABCD	Ceiling Wall	Plaster	Beige	Poor	0.01
9th Floor	East Hall	ABCD		Plaster	Beige	Poor	0.18
9th Floor	West Hall	В	Ceiling	Plaster	Beige	Poor	0.1
9th Floor	West Hall	В	Door Frame	Metal	Beige	Fair	0.18
9th Floor	West Hall	C	Door Wall	Wood	Beige	Fair	0.25
10th Floor	East Hall	A	Wall	Plaster Brick	Beige	Poor	0.07
10th Floor	East Hall	$\frac{\lambda}{c}$	Upper Wall		Tan	Fair	21
10th Floor	East Hall	ABCD	Ceiling	Plaster Plaster	White White	Fair	0.2
10th Floor	South Hall	B	Upper Wall			Poor	0
10th Floor	South Hall	D	Bars	Plaster	White	Poor	-0.03
10th Floor	West Hall	В	Cell Door	Metal	Gray	Fair	0.18
11th Floor	East Hall	C	Wall	Metal Brick	Gray Tan	Poor	3.4
11th Floor	East Hall	ABCD		Concrete		Fair	
11th Floor	West Hall	ABCD	Ceiling Wall		Beige	Fair	0.14
11th Floor	West Hall	A		Brick	Tan	Fair	30
11th Floor	West Hall	A	Upper Wall	Concrete	Beige	Fair	0.1
12th Floor	East Hall	C	Ceiling	Concrete	Beige	Poor	-0.5
1201 F1001	Last Hall	<u> </u>	Wall	Brick	Tan	Intact	14

Floor	Area	Location	Component	Substrate	Color	Condition	Pb
12th Floor	East Hall	ABCD	Ceiling	Concrete	Beige	Fair	0.1
12th Floor	East Hall	A	· Cell Bars	Metal	Gray	Poor	2
12th Floor	East Hall	С	Stairwell Door Frame	Metal	Gray	Poor	0.35
12th Floor	East Hall	С	Stairwell Door	Metal	Gray	Poor	0.29
12th Floor	West Hall	Α	Wall	Brick	Tan	Intact	31
12th Floor	West Hall	Α	Upper Wall	Concrete	Beige	Fair	0.08
12th Floor	West Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.12
12th Floor	West Hall	Α	Radiator	Metal	Gray	Poor	0.11
12th Floor	West Hall	Α	Window Sash	Metal	Gray	Poor	0.32
13th Floor	East Hall	С	Wall	Brick	Tan	Intact	25
13th Floor	East Hall	С	Upper Wall	Concrete	Beige	Fair	0.12
13th Floor	East Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.2
13th Floor	East Hall	С	Window Sash	Metal	Gray	Poor	0.49
13th Floor	Northeast Stairwell	В	Wall	Concrete	Beige	Fair	-0.05
13th Floor	Northeast Stairwell	ABCD	Ceiling	Concrete	Beige	Fair	-0.05
13th Floor	West Hall	Α	Upper Wall	Concrete	Beige	Fair	1.9
13th Floor	West Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.7
13th Floor	West Hall	Α	Wall	Concrete	White	Fair	0.2
13th Floor	West Hall	ABCD	Ceiling	Concrete	White	Poor	4.1
13th Floor	West Hall	D -	Baseboard	Concrete	Blue	Fair	2.1
13th Floor	West Hall	С	Door Frame	Metal	Brown	Fair	8.7
13th Floor	West Hall	С	Door	Metal	Brown	Fair	2
13th Floor	West Hall	. C	Baseboard	Concrete	Brown	Fair	0.45
13th Floor	West Hall	Α	Wall	Concrete	Beige	Poor	0.1
13th Floor	West Hall	Α	Wall	Concrete	Blue	Fair	0.9
13th Floor	West Hall	ABCD	Ceiling	Concrete	Blue	Poor	. 1.7
14th Floor	North Hall	С	Baseboard	Concrete	Blue	Fair	0.6
14th Floor	North Hall	С	Wall	Concrete	Blue	Poor	3.1
14th Floor	North Hall	D	Wall	Plaster	Blue	Fair	2
14th Floor	North Hall	D.	Baseboard	Concrete	Blue	Fair	0.21
14th Floor	North Hall	В	Wall	Plaster	Beige	Poor	1.8
14th Floor	North Hall	В	Wall	Concrete	Beige ·	Poor	7.8
14th Floor	North Hall	ABCD	Floor	Concrete	Gray	Fair	0.02
14th Floor	North Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.06
14th Floor	North Hall	ABCD	Ceiling	Concrete	Blue	Poor	22
14th Floor	East Hall	. C.	Wall	Concrete	Beige	Poor	2.3
14th Floor	East Hall	ABCD	Ceiling	Concrete	Beige	Poor	2

4.0 DISCUSSION

Worker Protection

California regulations (8 CCR 1532.1) define lead-related construction work as, "Construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential, public or commercial building, including preparation and clean-up, that, by using or disturbing lead containing material or soil, may result in significant exposure of individuals to lead". As such, Cal/OSHA does not distinguish between LBP and paint that contains lead at a lower concentration. The presence of lead at any level requires that exposure assessments be conducted and the provisions of 8 CCR 1532.1 be followed, including but not limited to training, notification, medical evaluations, and personal protective equipment.

LBP is present on the components inspected. We recommend that hazard communication training and exposure assessments be required for employees who may be exposed to lead.

Federal EPA

A copy of the building summary must be provided to new lessees (tenants) and purchaser of this property under federal law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must also be provided to new purchasers and it must be made available to tenants. Landlord (lessors) and sellers are also required to distribute an educational pamphlet approved by the EPA and include standard warning language in their lease or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

Handling/Disposal

Demolition or remodeling of the components inspected would include the disturbance of known lead-based paint.

Prior to demolition or renovation which may disturb lead-based paint, the substrates and adhered paint should be removed and disposed of in accordance with the California Health & Safety Code, section 25157.8(a). Painted metal components may be transported to a smelter for recycling. A landfill may accept the other materials as construction debris or it may require that the components be tested to determine if they have to be disposed of at a Class I hazardous waste disposal facility. The following tests may be required in order to dispose of the stand in a California landfill.

Composite samples should be taken and analyzed for Total Threshold Limit Concentration (TTLC) by USEPA reference method SW846. If the concentration of lead is greater than 350 mg/kg the sample must be disposed of as hazardous waste. If the concentration is less than 50 mg/kg the sample may be disposed of as construction debris, if it is to remain in California. If the result falls between 50 mg/kg and 350 mg/kg, the sample must be further analyzed by the Waste Extraction Test (WET) for Soluble Threshold Limit Concentration (STLC) as described in 22 CCR 66261.24a. If this concentration exceeds 5 mg/liter the sample must be treated as hazardous waste.

Outside of California

All lead-containing paint which may be disposed of outside the State of California must be tested for Toxicity Characteristic Leaching Procedure (TCLP) regardless of whether it is essentially intact. The sample may be a composite of the paint and the substrate if the paint is intact. Any material with results exceeding 5 mg/l must be treated as hazardous waste.

APPENDICES



LIMITED LEAD BASED PAINT INSPECTION

FOR

ROOM INTERIORS

Located At:
Hall of Justice
210 West Temple Street
Los Angeles, California

Prepared for:



Los Angeles County Department of Public Works 900 South Fremont Avenue, Alhambra, CA 91803

Prepared by:

Aurora Industrial Hygiene 3620 Long Beach Boulevard, Suite C1 Long Beach, California 90807 (562) 988-8993

Aurora Project No. 33094

January 25, 2005

Prepared By:

Robert Rinck, DHS Inspector/Assessor AURORA

Date: 1/24/05

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USE OF THIS REPORT

This report is intended to provide an understanding of the potential hazards that the properties evaluated in this report may pose to human health due to lead based paint. This report is based primarily upon data and information obtained during a visit by Aurora Industrial Hygiene Inc. (Aurora) to the properties identified herein on December 27 - 29, 2004 and is based solely upon the condition of the properties on the date of such assessment.

Aurora has performed this work, made the findings, and proposed the recommendations described in this report in accordance with generally accepted environmental science practices for lead inspections in effect in the Southern California area at the time the work was performed. This warranty stands in lieu of all other warranties, expressed or implied. While this report can be used as a guide, it must be understood that it is neither a rejection nor an endorsement of the properties. It must also be understood that changing circumstances in the environment and in the use of the properties can alter radically the conclusions and information contained in this report.

1.0 INTRODUCTION

This report documents the findings, recommendations, and conclusions from the sampling conducted by Robert Rinck, California Department of Health Services (DHS) Certified Lead Inspector/Risk Assessor on December 27 - 29, 2004. The purpose of the survey was to determine the existence and location of lead based coatings on the painted surfaces in the interior rooms of the Hall of Justice Building located at 210 West Temple Street, Los Angeles, California. In addition, an exterior wall on the roof area was also tested. The sampling was limited to the amount of surfaces that could be tested within two 8-hour shifts. Recommendations regarding proper handling and notification are also provided in this report.

Lead based paint was detected on the following substrates:

Window frames
Doorframes
Doors
Walls
Ceilings
Exterior walls (roof top)
HVAC Ducting
Equipment (ladders, motors, etc.)

2.0 SAMPLING

X-ray fluorescence (XRF) instrumentation was utilized to determine if lead-based paint was present. Painted surfaces of various components were sampled using XRF analysis with a NITON instrument, (serial number U3949NR4598). A reading of >0.7 mg/cm² was considered positive for lead based paint, in accordance Los Angeles County regulations for Lead Based Paint Inspection.

3.0 SAMPLE DATA

The following data tables summarize the data. Table 3.1 lists all substrates tested and determined to be lead based paint. Table 3.2 lists all substrates tested. The table columns are identified below:

Floor

Identifies the floor of the building

Location Side

Identifies the column number and/or letter where the sample was taken Identifies the side of the building tested (side 'A' is the main entry of the

building, which is in this case, the East side)

Component

Identifies the actual component tested.

Hall of Justice Lead Based Paint Inspection - Interiors Page 4 of 19 December 27 – 29, 2004 Substrate

The material of the tested component.

Color

The visible color of the Transom coatings.

Condition

The condition of the paint was determined, as defined in the Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing:

Intact – the entire surface is intact.

Fair – less than or equal to ten percent of the total surface area of the component is deteriorated.

Poor – more than ten percent of the total surface area of the component is deteriorated.

Pb

The reading displayed by the XRF in milligram per square centimeter.

Table 3.1: Lead Based Paint Table

Floor	Location	Side	Component	Substrate	Color	Condition	Pb .*
Basement	B-B.7/6-6.5	С	Door	Metal	Green	Fair	20
Basement	C/7-7.7	В	Double Door	Metal	Green	Fair	19
Basement	C/7-7.7	В	Double Door Frame	Metal	Black	Fair	2.3
Basement	E/11-12	В	Wall	Brick -	Green	Fair .	0.7
Basement	F/11	В	Column	Concrete	White	Poor	0.8
Basement	J-K/6-7	D	Door	Wood	Gray	Intact	2.2
Basement	J-K/6-7	D	Door Frame	Wood	Gray	Intact	0.7
Basement	J-K/7-8	ABCD	Red Generator Curb Stand	Concrete	Red	Fair	2
Basement	J-K/7-8	ABCD	Generator Stand	Metal	Green	Fair	1.4
1st Floor	A-B/11-12	В	Window Frame	Metal	Brown	Fair	1.4
1st Floor	D/3-4	Α	Window Frame	Metal	Beige	Intact	0.9
1st Floor	G-H/8-10.3	Α	Window Frame	Metal	Beige	Intact	5.1
1st Floor	G-H/8-10.3	В	Window Frame	Wood	Brown	Fair	3.4
1st Floor	N-O/12	Α	Window Frame	Metal	Beige	Intact	2.6
1st Floor	N-O/12	Α	Radiator	Metal	Beige	Intact	2.3
2nd Floor	F-G/1	С	Window Frame	Metal	Beige	Poor	2.4
2nd Floor	K-L/4	Α	Window Frame	Metal	White	Fair	1.8
2nd Floor	M-N/6-7	В	Window Frame	Metal	White	Intact	0.7
2nd Floor	N-O/12	. A	Window Frame	Metal	Beige	Intact	1.2
2nd Floor	O-P/7	D	Window Frame	Metal	Blue	Fair	2.6
2nd Floor	O-P/7	D	Wall	Plaster	Blue	Fair	1.3
3rd Floor	A-B/2-3	В	Window Frame	Metal	White	Poor	2.3
3rd Floor	B-D/7-9	D	Window Frame	Metal	Red	Fair	4.3
3rd Floor	E-F/1-2	С	Window Frame	Metal	White	Fair	4
3rd Floor	I-J/8-9	D	Window Frame	Metal	White	Fair	3.8
4th Floor	B-D/6-7	· D	Window Frame	Metal	Tan	Fair	3.8
4th Floor	G-H/8-9	В	Window Frame	Metal	White	Fair	0.8
4th Floor	H-J/1	С	Window Frame	Metal	Gray	Fair	0.8
4th Floor	J-K/9-10.3	Ċ	Window Frame	Metal	Blue	Fair	1

		O'-la					
Floor	Location		Component	Substrate		Condition	,
4th Floor	N-O/9-11	A	Wall	Tile	Gray	Intact	5.1
4th Floor	O-P/11-12	A	Window Frame	Metal	Blue		2.6
5th Floor	7-8/A-D	В	Window Frame	Metal	Brown	Poor	2
5th Floor	B-C/11-12	A	Window Frame	Metal	Blue	Poor	1.5
5th Floor	B-D/1-2	C	Window Frame	Metal	White	Fair	1.2
5th Floor	C-D/4-5	В	Door	Metal	White	Fair	1.2
5th Floor	C-D/4-5		Door Frame	Metal	White	Fair	1:2
5th Floor	D-E/9-10	С	Window Frame	Metal	Tan	Fair	3.8
5th Floor	K-L/3-4	Α	Window Casing	Metal	Tan	Fair	4.6
5th Floor	K-L/3-4	A	Window Sash	Metal	Tan	Fair	1.8
5th Floor	L-N/7-8	В	Window Sash	Metal	Brown	Fair	1.6
5th Floor	M-N/1-2	С	Window Frame	Metal	White	Intact	3.9
5th Floor	O-R/11-12	D	Window Frame	Metal	Tan	Fair	2.7
6th Floor	K-L/3-4		Window Frame	Metal	Pink	Fair	1.3
6th Floor	K-N/1	С	Window Frame	Metal	White	Poor	4.9
6th Floor	L-M/3-4	Α	Window Frame	Metal	White	Fair	3.2
6th Floor	M-N/7-8	В	Window Frame	Metal	White	Fair	0.9
7th Floor	A-B/1-2	С	Window Frame	Metal	Beige	Fair .	2.6
7th Floor	A-B/4-5	В	Window Frame	Metal	Tan	Fair	. 2.2
7th Floor	B-D/6-9	D	Window Frame	Metal	Brown	Poor	1.4
7th Floor	F-J/10.3-12	Α	Window Frame	Metal	Brown	Fair	5.1
8th Floor	A-B/1-2	В.	Window Frame	Metal	Brown	Fair	1.9
8th Floor	C-D/7-9	D	Window Frame	Metal	Blue	Fair	3.4
8th Floor	G-1/7-5		Tile	Tile	Tan	Fair	2.9
8th Floor	K-M/11-12	В	Wall	Plaster	White	Poor	1.9
8th Floor	· L-O/10-12	Α	Wall	Plaster	White	Роог	1.6
8th Floor	L-O/10-12	С	Wali	Plaster	White	Poor	1.6
8th Floor	P-O/8-9	D	Window Frame	Metal	White	Fair	2.1
9th Floor	A-B.4/11-12	В	Window Frame	Plaster	Brown	Fair	1.6
9th Floor	A-B/1-2	С	Window Frame	Plaster	Beige	Poor	2.2
9th Floor	B.4-D/6-9	В	Wail	Plaster	Beige	Poor	5
9th Floor	D-F/4-6	D	Window Frame	Plaster	Beige	. Poor	5.2
9th Floor	I-J/8-10	D	Window Frame	Plaster	White	Fair	3.4
9th Floor	L-K/1-3	С	Window Frame	Metal	Brown	Fair	7.3
9th Floor	O-P/8-9	Α	Tile	Tile	Tan	Good	14
9th Floor	O-P/8-9	D.	Window Frame	Plaster	White	Fair	6.6
9th Floor	P-O/1-2	Α	Wall	Plaster	White	Poor	1
10th Floor	A.2-11	C	Brick	Brick	Yellow	Poor	19
10th Floor	A-B/4-5	В	Wall	Plaster	Green	Poor	15
10th Floor	A-B/4-5	ABCD	Ceiling	Plaster	Green	Poor	6.4
10th Floor	A-B/5-6	C	Wall	Plaster	Beige	Poor	15
10th Floor	A-B/5-6	A	Wall	Plaster	Beige	Poor	14
10th Floor	A-B/5-6	B	Wall	Plaster	Beige	Poor	12
10th Floor	G-H/10.8-12	B .	Wall	Metal	Beige	Intact	7.3
10th Floor	G-H/10.8-12	В	Cot	Metal			
10th Floor	G-H/10.8-12	A			Beige	Intact	5.3
100111001	3-11/10.0-12	- ^	Bars	Metal	Gray	Fair	2.2

		Side	Component	Substrate		Condition	Pb
10th Floor	H-I/10.8-12	В	Stairwell Stringer	·Metal	Gray	Fair .	2.8
10th Floor	H-I/10.8-12	A	Stairwell Tread	Metal	Red	Poor	2.8
10th Floor	H-I/1-4	ABCD	Ceiling	Plaster	Beige	Poor	26
10th Floor	H-I/1-4	ABCD	Ceiling Ducting	Metal	Beige	Fair	24
10th Floor	H-I/1-4	В	Window Frame	Metal	Brown	Fair	22
10th Floor	H-I/1-4	ABCD	Bench	Wood	Beige	Fair	, 3.6
10th Floor	P/11-12	D	Brick	Brick	Beige	Intact	20
10th Floor	P/11-12	В	Wall	Metal	Beige	Poor	8.7
10th Floor	P/11-12	D	Window Bars	Metal	Gray	Fair	2.5
11th Floor	A-B/11-12	В	Stairwell Door	Metal	Gray	Poor	6.9
11th Floor	A-B/11-12	D	Wall	Metal	Gray	Poor	5
11th Floor	A-B/1-2	D	Wall	Metal	Gray	Poor	13
11th Floor	A-B/1-2	D	Bars	Metal	Gray	Poor	3.1
11th Floor	E.5-F/10-10.8	В	Wall	Metal	Beige	Fair	15
11th Floor	G-1/4-9	8	Tile	Tile ·	White	Intact	4.4
11th Floor	H-1/10-11.8	D	Wall	Metal	Beige	Fair	4.5
11th Floor	H-1/10-11.8	ABCD	Stair Stringer	Metal	Gray	Fair	3.5
11th Floor	O-P/11-12	Α	Brick	Brick	Beige	Intact	24
12th Floor	H-K/5-8	Α	Brick	Brick	White	Intact	30
12th Floor	K/11	ABCD	Cot	Metal	Beige	Fair	10 .
12th Floor	K/11	В	Cell	Metai	Beige	Fair	5.4
12th Floor	K/11	D	Wall	Metal	Gray	Poor	5.4
12th Floor	K/11	В	Frame	Metal	Gray	Poor	5.1
12th Floor	O-P/11-12	Α	Brick	Brick	Beige	Intact	29
12th Floor	O-P/11-12	В	Wall	Metal	Gray	Poor	6.2
12th Floor	O-P/11-12	С	Bars	Metal	Gray	Poor	4.4
12th Floor	O-P/11-12	D	Window Frame	Metal	Gray	Poor	2.9
13th Floor	A-G/1-2	С	Wall	Brick	Blue	Intact	26
13th Floor	I-H/10-11.8	В	Metal	Metal	Beige	Intact	7.2
13th Floor	I-H/10-11.8	Α	Handrail Post	Metal	Gray	Poor	0.9
13th Floor	O-P/11-12	D	Window Frame	Metal	Beige	Poor	0.9
14th Floor	A-D/3-8	D	Brick	Brick	Beige	Intact	21
14th Floor	A-D/3-8	D	Door	Metal	Beige	Intact	6.5
14th Floor	A-D/3-8	В	Wall	Plaster	Beige	Fair	3.9
14th Floor	E-G/10-12	В	Wall	Plaster	White	Intact	1.4
14th Floor	E-G/10-12	Α	Wall	Plaster	Blue	Fair	1.1
14th Floor	F-9	С	Wall .	Plaster	Beige	Fair	1.4
14th Floor	I-J/1	C	Brick	Brick	Beige	Intact	16
14th Floor	I-J/1	C	Metal	Metal	White	Fair	14
14th Floor	M-N/6-9	В	Wall	Plaster	Tan	Poor	4.3
14th Floor	M-N/6-9	D	Wall	Plaster	Tan	Fair	3.8
14th Floor	O-P/1-2	C	Wall	Plaster	Beige	Intact	1.5
15th Floor	A-G/1-4	c	Wall	Concrete	Beige	Intact	6.6
15th Floor	A-G/1-4	A	Wall	Brick	Beige	Intact	
15th Floor	A-I/10-12	C	Wall	Brick	Beige	Fair	2.4
15th Floor	A-I/10-12	В	Wali	Concrete	Beige		
15th Floor	A-I/10-12	A	Wall	Concrete	Beige	Intact Intact	2.4
Hall of h			·	20.101010	Doige	mact	4.1

Floor .	Location	Side	Component	Substrate	. Color	Condition	Pb
15th Floor	A-I/10-12	С	Wall	Stucco	Beige	Intact	0.8
15th Floor	G-H/0-5	ABCD	Elevator Motor	Metal	Gray	Fair	4.1
15th Floor	G-H/7	Α	Wall (exterior)	Concrete	Beige	Poor	26
15th Floor	H/5	D	Ladder	Metal	Gray	Poor	7.4

Table 3.2: XRF Readings Table

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
Basement	A-B/6	ı A	Wall	Concrete	Green	Poor	~0.43
Basement	A-B/6	С	Brick Wall	Brick	White	Fair	0.1
Basement	B.7/6-6.5	D	Column	Concrete	White	Intact	0.6
Basement	B.7/7-7.7	Α	Door Frame	Wood	Blue	Fair	0.4
Basement	B.7/7-7.7	В	Door	Wood	Blue	Fair	0.12
Basement	B/7	В	Column	Concrete	Green	Fair	0.45
Basement	B/7-7.7	В	Wall	Brick	White	Fair	0.14
Basement	B/7-8	Α	Wali	Concrete	Green	Poor	0.5
Basement	B-B.7/6-	С	Door	Metal	Green	Fair	20
	6.5	<u> </u>			, ,		
Basement	B-B.7/6-	С	Frame	Metal	Green	Fair	0
Basement	6.5 C/2	В	Double Door	84-4-1	D	F-:-	0.40
Basement	C/2	В	Double Door Frame	Metal	Brown	Fair	0.19
Basement	C/7-7.7	В	Double Door	Metal	Brown	Fair	0
Basement	C/7-7.7	В	Double Door Frame	Metal	Green	Fair	19
Basement	C-D/1	C	<u> </u>	Metal	Black	Fair	2.3
Basement	C-E/1-2	ABCD	Water Pipe	Metal	White	Poor	0.12
Basement	C-E/1-2 C-E/2	· · · · · · · · · · · · · · · · · · ·	Ceiling	Concrete	White	Poor	0.31
	C-E/2	Α	Lower Wall	Stucco	Green	Poor	0.2
Basement			Upper Wall	Stucco	White	Fair	0.12
Basement	D-E/2	A	Wall	Concrete	White	Роог	0
Basement	E/11	В	Column	Brick	White	Fair	0.6
Basement	E/11-12	В	Wall	Brick	Green	Fair	0.7
Basement	E-F/11-12	ABCD	Ceiling Beam	Concrete	White	Poor	0.36
Basement	E-F/11-12	ABCD	Drain Pipe	Metal	White	Intact	0.04
Basement	F/11	В	Column	Concrete	White	Poor	8.0
Basement	F/11-12	В	Wall	Stucco	White	Intact	0.1
Basement	H/11-12	D	Brick wall	Brick	Green	Fair	0.45
Basement	J-K/6-7	D	Door	Wood	Gray	Intact	2.2
Basement	J-K/6-7	D	Door Frame	Wood	Gray	Intact	0.7
Basement	J-K/6-7	В	Control Panel	Metal	Green	Intact	0.44
Basement	J-K/6-7	В	Wall	Concrete	Gray	Intact	0.42
Basement	J-K/6-7	В	Cabinets	Metal	White	Poor	0.06
Basement	J-K/7-8	ABCD	Red Generator Curb Stand	Concrete	Red	Fair	2
Basement	J-K/7-8	ABCD	Generator Stand	Metal	Green	Fair	1.4
Basement	J-K/7-8	ABCD	Elevator Generator	Metal	Green	Fair	0.5
Basement	K/10	С	Wall	Stucco	White	Intact	0
Basement	K/10.3	С	Door Frame	Wood	Blue	Fair	0.6

Floor	Location	Side	Component	Substrate	Color	Condition	· Pb
Basement	M-N/1-2	D	Wall	Concrete	White	Fair	0.16
Basement	M-N/1-2	D	Lower Wall	Stucco	Green	Intact	0.1
Basement	M-N/1-2	D	Water Pipe	Metal	White	Poor	0.03
Basement	M-N/1-2	D	Upper Wall	Stucco	White	Intact	0
Basement	N-O/2-3	В	Double Door Frame	Metal	Brown	Intact	0.02
Basement	N-O/2-3	В	Double Door	Metal	Brown	Intact	0.02
1st Floor	A-B/11-12	В	Window Frame	Metal	Brown	Fair	1.4
1st Floor	A-B/11-12	В	Wall	Concrete	White	Poor	0.2
1st Floor	A-B/11-12	ABCD	Ceiling	Plaster	White	Poor	0.18
1st Floor	B-C/7-8	C	Wall	Concrete	White	Poor	0.5
1st Floor	B-C/7-8	С	Window Frame	Metal	Beige	Fair	0.19
1st Floor	B-C/7-8	В	Door Frame	Wood	Beige	Intact	0
1st Floor	B-C/7-8	ABCD	Ceiling	Plaster	White	Poor	0.9
1st Floor	D/3-4	A	Window Frame	Metal	Beige	Intact	0.9
1st Floor	D/3-4	В	Lower Wall	Metal	Tan	Fair	0.6
1st Floor	D/3-4	В	Upper Wall	Concrete	Beige	Fair	0.22
1st Floor	D/3-4	В	Baseboard	Concrete	Tan	Fair '	0
1st Floor	G-H/8-10.3	Α	Window Frame	Metal	Beige	Intact	5.1
1st Floor	G-H/8-10.3	В	Window Frame	Wood	Brown	Fair	3.4
1st Floor	G-H/8-10.3	. A	Door Frame	Wood	Brown	Fair	0.21
1st Floor	G-H/8-10.3	С	Wall	Plaster	Beige	Poor	0.2
1st Floor	G-H/8-10.3	Α	Door	Wood	Brown	Fair	0.17
1st Floor	G-H/8-10.3	Α	Wall	Concrete	Beige	Poor	0.07
1st Floor	G-H/8-10.3	ABCD	Ceiling	Plaster	Beige	Poor	0.02
1st Floor	G-H/8-10.3	Α	Handrail	Metal	Brown	Poor	0.02
1st Floor	L-P/11-12	ABCD	HVAC Duct	Metal	Beige	Poor	. 0
1st Floor	M/6-7	В	Door Frame	Metal	White	Fair	0
1st Floor	N/11	ABCD	Column	Plaster	Green	Fair	0.2
1st Floor	N-O/12	Α .	Window Frame	Metal	Beige	Intact	2.6
1st Floor	N-O/12	A	Radiator	Metal	Beige	Intact	2.3
1st Floor	N-O/12	Α	Baseboard	Wood	Beige	Fair	0.21
1st Floor	N-O/12	Α	Wall	Plaster	Green	Fair	0.1
1st Floor	N-O/2	С	Wali	Plaster	Tan	Poor	0.2
1st Floor	N-O/6-7	ABCD	Ceiling	Plaster	Tan	Poor	0
1st Floor	N-O/7-8	ABCD	Ceiling	Plaster	Tan	Poor	0
1st Floor	N-O/8	A	Fire hose cabinet	Metal	Red	Fair	0.33
1st Floor	N-O/8	С	Wall	Plaster	Tan	Intact	-0.6
1st Floor	N-O/9	Α	Wall	Plaster	Tan	Poor	0
1st Floor	O/11-12	D	Door Frame	Metal	Beige	Fair	0.2
1st Floor	O/11-12	D	Door Frame	Wood	Green	Fair	0.02
1st Floor	O-P/6/7	D	Door Frame	Metal	White	Poor	0
1st Floor	O-P/6/8	D	Wall	Plaster	Blue	Poor	0.03
1st Floor	P/6-7	Α	Wall	Plaster	Tan	Poor	0
2nd Floor	C-D/3-4	Α	Door Frame	Metal	Beige	Fair	0.11
2nd Floor	C-D/3-4	С.	Transom	Wood	White	Intact	0.1
2nd Floor	C-D/3-4	Α	Wall	Plaster	White	Intact	0.05

Floor		Side	Component	Substrate		Condition	
2nd Floor	C-D/3-4	ABCD	Column	Plaster	White	Fair	0
2nd Floor	F-G/1	С	Window Frame	Metal	Beige	Poor	2.4
2nd Floor	F-G/1-2	В	Wall	Plaster	Beige	Poor	0.08
2nd Floor	F-G/1-2	В	Mirror Frame	Wood	Beige	Intact	0.05
2nd Floor	G-H/1-2		Door	Metal	Beige	Fair	0.4
2nd Floor	K-L/4	A	Window Frame	Metal	White	Fair	1.8
2nd Floor	K-L/4	A	Wall	Plaster	White	Poor,	0.13
2nd Floor	M-N/10.3	A	Door Frame	Metal	Beige	Fair	0.28
2nd Floor	M-N/6-7	В	Window Frame	Metal	White	Intact	0.7
2nd Floor	M-N/6-7	A	Baseboard	Wood ·	White	Fair	0.23
2nd Floor	M-N/6-7	A	Vertical Pipe	Metal	White	Intact	-0.1
2nd Floor	M-N/6-7	В	Wall	Concrete	White	Fair	-0.2
2nd Floor	M-N/9-10	В	Wall	Concrete	White	Intact	0.4
2nd Floor	M-N/9-10	B.	Baseboard	Wood	Tan	Fair	0.4
2nd Floor	N-O/12	Α	Window Frame	Metal	Beige	Intact	1.2
2nd Floor	N-O/12	Α	Wall	Concrete	White	Intact	0.15
2nd Floor	O-P/7	D	Window Frame	Metal	Blue	Fair	2.6
2nd Floor	O-P/7	D	Wall	Plaster	Blue	Fair	1.3
2nd Floor	O-P/7	A	Wall	Plaster	Blue	Fair	0.1
2nd Floor	P/2-3	D	Window Frame	Metal	Tan	Poor	0.33
2nd Floor	P/2-3	D	Wall	Plaster	Beige	Fair	0.3
3rd Floor	A-B/2-3	В	Window Frame	Metal	White	Poor	2.3
3rd Floor	A-B/2-3	С	Wall Partition	Wood	Blue	Intact	0.19
3rd Floor	A-B/2-3	В	Baseboard	Wood	Red	Intact	0.09
3rd Floor	A-B/2-3	В	Wall	Plaster	White	Intact	0.04
3rd Floor 3rd Floor	B-D/7-9 B-D/7-9	D ABCD	Window Frame	Metal	Red	Fair	4.3
3rd Floor	B-D/7-9	ABCD	Column Wall	Plaster	Blue	Poor	0.11
3rd Floor	E-F/1-2	C	Window Frame	Plaster Metal	White	Poor	0.08
3rd Floor	E-F/1-2	C	Wall		White	Fair	4
3rd Floor	II-J/10.3	A.	Door Frame	Plaster	White	Fair	0.32
3rd Floor	I-J/8-9		Window Frame	Metal	Brown	Fair	0.5
3rd Floor	I-J/8-9	В	Wall	Metal Plaster	White	Fair	3.8
3rd Floor	J-K/9-10	В	Wall	Plaster	White White	Poor	0.2
3rd Floor	J-L/11-12	C	Air Handler	Metal		Poor Intact	0.24
3rd Floor	J-L/11-12	A	Window Frame	Metal	Beige Black		0.08
3rd Floor	J-L/11-12	$\frac{1}{D}$	Window Frame	Metal	Black	Intact	0.05
3rd Floor	J-L/11-12	D	Wall	Plaster	White	Intact	0.03
4th Floor	A-B/1-2	C	Window Frame	Metal	White	Intact Fair	-0.2
4th Floor	A-B/1-2	В	Wall	Plaster	White		0.49
4th Floor	A-B/1-2	C	Radiator	Metal	White	Poor	0.4
4th Floor	A-B/1-2	В	Wall	Plaster		Poor	0.22
4th Floor	A-B/1-2 A-B/1-2	A	Door Frame	Metal	Beige Tan	Poor Fair	0.1
4th Floor	B-D/6-7	D	Window Frame	Metal	Tan		
4th Floor	B-D/6-7	D	Radiator	Metal	Beige	Fair	3.8
4th Floor	B-D/6-7	D	Wall			Intact	0.3
70111001	D-D/O-1	<u> </u>	vvali	Plaster	Beige	Роог	0.2

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	Location	Side	Component	Substrate	Color	Condition	Pb
4th Floor	B-D/6-7	С	Baseboard	Wood	Tan		0.01
4th Floor	G-H/8-9	В	Window Frame	Metal	White	Fair	0.8
4th Floor	G-H/8-9	С	Wall	Plaster	White	Poor	0.4
4th Floor	H-J/1	С	Window Frame	Metal	Gray	Fair	0.8
4th Floor	H-J/1	С	Wall	Plaster	White	Poor	-0.1
4th Floor	J-K/9-10.3	С	Window Frame	Metal	Blue	Fair	1
4th Floor	J-K/9-10.3	В	Wall	Plaster	Blue	Poor	0
4th Floor	L-2	ABCD	Column	Plaster	White	Poor	0.1
4th Floor	N-O/9-11	Α	Wall	Tile	Gray	Intact	5.1
4th Floor	N-O/9-11	С	Door Frame	Metal	Beige	Fair	0.14
4th Floor	N-O/9-11	С	Door	Wood	Beige	Fair	0.1
4th Floor	N-O/9-11	. A	Wall	Plaster	Beige	Intact	0.06
4th Floor	N-O/9-11	ABCD	Floor	Tile	Green	Intact	0.01
4th Floor	O-P/11-12	Ą	Window Frame	Metal	Blue		2.6
4th Floor	O-P/11-12	Α	Radiator	Metal	Beige	Fair	0.26
4th Floor	O-P/11-12	D	Wall	Plaster	Blue	Poor	-0.1
4th Floor	P/8	D	Window Frame	Metal	Beige	Fair	0.26
4th Floor	P/8	D	Wall	Plaster	Beige	. Poor	0.02
5th Floor	7-8/A-D	В	Window Frame	Metal	Brown	Poor	2
5th Floor	7-8/A-D	D	Wall	Plaster	Green	Fair	0.13
5th Floor	7-8/A-D	, C	Wall	Wood	Stain	Intact	0
5th Floor	B/6-9	D	Wall	Plaster	Beige	Poor	0
5th Floor	B-C/11-12	Α	Window Frame	Metal .	Blue	Poor	1.5
5th Floor	B-C/11-12	Α	Wall	Plaster	Beige	Poor	0.5
5th Floor	B-C/11-12	D	Door Frame	Metal	Blue	Poor	0.04
5th Floor	B-D/1-2	С	Window Frame	Metal	White	Fair	1.2
5th Floor	B-D/1-2		Wall Partition	Wood	White	Intact	0.24
5th Floor	B-D/1-2		Ceiling	Plaster	Tan	Poor	0.07
5th Floor	C/1-2	С	Wali	Plaster	White	Fair	0.04
5th Floor	C-D/4-5	В	Door	Metal	White	Fair	1.2
5th Floor	C-D/4-5		Door Frame	Metal	White	Fair	1.2
5th Floor	C-D/4-5	Α	Wali	Plaster	Blue	Poor	0
5th Floor	C-D/4-5		Ceiling	Plaster	Blue	Fair	0
5th Floor	D-E/9-10	С	Window Frame	Metal [.]	Tan	Fair	3.8
5th Floor	D-E/9-10	В	Baseboard	· Wood	Tan		0.14
5th Floor	D-E/9-10	С	Wall	Plaster	Beige	Poor	0.07
5th Floor	H-1/11-12	A	Frame	Metal	White	Fair	0.01
5th Floor	H-1/11-12	D	Wall	Plaster	White	Intact	0
5th Floor	K-L/3-4	Α	Window Casing	Metal	Tan	Fair	4.6
5th Floor	K-L/3-4	- A	Window Sash	Metal	Tan	Fair	1.8
5th Floor	K-L/3-4	A	Wall	Plaster	Beige	Poor	0.3
5th Floor	L-N/7-8	В	Window Sash	Metal	Brown	Fair	1.6
5th Floor	L-N/7-8	В	Wall	Plaster	Beige	Fair	0.07
5th Floor	L-N/7-8	В	Window Casing	Metal	Brown	Fair	0.02
5th Floor	L-N/7-8	В	Vertical Pipe	Metal	Beige	Fair	-0.5
5th Floor	M-N/1-2	С	Window Frame	Metal	White	Intact	3.9

Floor		Side	Component .			, Condition,	Pb
5th Floor	M-N/1-2	Α	Wall	Plaster	Pink	Fair	0.02
5th Floor	M-N/1-2	С	Wall	Plaster	Pink	Fair	-0.4
5th Floor	O-P/4-5	С	Door	Wood	Beige	Fair	0.1
5th Floor	O-P/4-5	С	Door Frame	Wood	Beige	Fair	0.1
5th Floor	O-R/11-12	D	Window Frame	Metal		Fair	2.7
5th Floor	O-R/11-12	ABCD	Ceiling	Plaster	Beige	Fair	0.03
5th Floor	O-R/11-12	D	Wall	Plaster	Beige	Poor	-0.3
6th Floor	A-B/10-11	С	Door	Wood	Gray	Fair	0.22
6th Floor	A-B/10-11	·	Door Frame	Metal	Gray	Fair	0.09
6th Floor	A-B/10-11	В	Wall	Plaster	Gray	Poor	0
6th Floor	A-B/10-11	Α	Wali	Plaster	Gray	Poor	-0.5
6th Floor	A-B/2-3	D	· Wall	Plaster	White	Fair	0.04
6th Floor	A-B/2-3	В	Wall	Plaster	White	Poor .	0.03
6th Floor	A-B/2-3	С	Door Frame	Wood	Gray	Fair	0.01
6th Floor	B-C/6-7	С	Baseboard	Metal	Gray	Fair	0.2
6th Floor	B-C/6-7	ABCD	Ceiling	Plaster	White	Poor	0.1
6th Floor	B-C/6-7	D	Wall .	Plaster	White	Poor	-0.1
6th Floor	E-F/9-10.3	D	Wall	Plaster	Gгау	Poor	0.08
6th Floor	E-F/9-10.3	С	Wall	Plaster	Gray	Poor	-0.1
6th Floor	H-I/1-2	D	Door	Wood	White	Poor	0.31
6th Floor	H-I/1-2	С	Wall	Plaster	White	Poor	0.3
6th Floor	H-I/1-2	D	Door Frame	Metal	White	Fair	0.3
6th Floor	H-I/1-2	В	Wall	Plaster	White	Fair	-0.6
6th Floor	K-L/11-12	Α	Radiator	Metal	Gray	Intact	0.4
6th Floor	K-L/11-12	Α	Window Frame	Metal	Gray	Fair	0.17
6th Floor	K-L/11-12	Α	Wall	Plaster	White	Poor	0.06
6th Floor	K-L/11-12	В	Door Frame	Wood	Gray	Fair	0.04
6th Floor	K-L/11-12	С	Wall	Plaster	Pink	Fair	-0.6
6th Floor	K-L/3-4		Window Frame	Metal	Pink	Fair	1.3
6th Floor	K-L/3-4		Wall	Plaster	Pink	Poor	0.1
6th Floor	K-N/1	С	Window Frame	Metal	White	Poor	4.9
6th Floor	K-N/1	, C	Wall	Plaster	White	Fair	0
6th Floor	K-N/1	· A	Wall	Plaster	White	Fair	-0.2
6th Floor	L-M/3-4	Α	Window Frame	Metal	White	Fair	3.2
6th Floor	L-M/3-4	В	Wall	Plaster	White	Fair	0.13
6th Floor	M-N/7-8	В	Window Frame	Metal	White	Fair	0.9
• 6th Floor	M-N/7-8	В	Wall	Plaster	White	Poor	0.03
6th Floor	N-P/5-7	D	Window Frame	Metal	White	Fair	0.25
6th Floor	N-P/5-7	Α	Door	Wood	Gray	Fair	0.12
6th Floor	N-P/5-7	ABCD	Column	Plaster	White	Fair .	0.1
6th Floor	N-P/5-7	Α	Door Frame	Metal	Gray	Fair	0.02
6th Floor	N-P/5-7	D	Wall	Plaster	White	Poor	0
6th Floor	O-P/11-12	D.	Wall	Plaster	White	Fair	0.2
6th Floor	O-P/11-12	D	Window Frame	Metal	Gray	Fair	0.16
6th Floor	O-P/11-12	Α	. Wall	Plaster	White	Fair	0.03
7th Floor	A-B/1-2	С	Window Frame	Metal	Beige	Fair	2.6
		1.					

Floor	Location		Component	Substrate	Color	Condition	Pb ·
7th Floor	A-B/1-2	С	Wall	Plaster	White	Fair	0.3
7th Floor	A-B/1-2	· B	Wall	Plaster	White	Fair	-0.4
7th Floor	A-B/4-5	B.	Window Frame	Metal	Tan	Fair	2.2
7th Floor	A-B/4-5	В	Wall	Plaster	White	Fair,	0.2
7th Floor	A-B/4-5	Α	Baseboard	Wood	Tan	Fair	0.03
7th Floor	A-B/8-9	В	Wall	Plaster	Blue	Fair	0.05
7th Floor	A-B/8-9	A	Wall	Plaster	Blue	Poor	-0.2
7th Floor	B-D/6-9	D	Window Frame	Metal	Brown	Poor	1.4
7th Floor	B-D/6-9	D	Wall	Plaster	White	Poor	0.11
7th Floor	F-J/10.3-	A \	Window Frame	Metal	Brown	Fair	5.1
7th Floor	12 F-J/10.3-	A	Wall	Diester	Mhita	Dane	0.4 :
781 F1001	12	^	vvali	Plaster	White	Poor	0.4
7th Floor	F-J/10.3-	ABCD	Ceiling	Plaster	White	Poor	0.08
	12		3			,	0.00
7th Floor	H-2	D	Wall	Plaster	Pink	Intact	0.19
7th Floor	H-K/1-3	С	Wall	Plaster	White	Poor	0.39
7th Floor	H-K/1-3	Α	Wall	Plaster	White	Poor	0.09
7th Floor	H-K/1-3	В	Door Frame	Wood	Stain	Intact	0.05
7th Floor	J-1/8-9	С	Wall	Plaster	White	Poor	-0.2
7th Floor	L-O/1-3	С	Window Frame	Metal	White	Fair	0.49
7th Floor	L-O/1-3	С	Wall	Wood	White	Fair	0.09
7th Floor	L-O/1-3	. A	Wall	Wood	White	Poor	0.03
7th Floor	P-0/4-5	D	Wall	Plaster	White	Poor	0.23
7th Floor	P-0/4-5		Door Frame	Wood	. White	Poor	0.16
7th Floor	P-O/4-5	В	Door	Wood	White	Fair	0.12
8th Floor	A-B.4/6-9	В	Wall	Wood	Stain	Intact	0.07
8th Floor	A-B/11-12	С	Wall	Plaster	White	Poor	0.19
8th Floor	A-B/11-12	Α	Wall	Plaster	White	Poor	0.12
8th Floor	A-B/1-2	В	Window Frame	Metal	Brown	Fair	1.9
8th Floor	A-B/1-2	D	Wall	Plaster	White	Fair	0.2
8th Floor	A-B/1-2	В	Wall	Plaster	White	Fair	-0.3
8th Floor	A-B/4-6	В	Wall	Plaster	White	Poor	0.02
8th Floor	A-B/4-6	ABCD	Ceiling	Plaster	White	Poor	-0.4
8th Floor	B-E/10-12	A	Window Frame	Metal	Blue	Fair	0.35
8th Floor	B-E/10-12	D	Wall	Plaster	White	Poor	0.16
8th Floor	B-E/10-12	Α	Baseboard	Metal	Blue	Fair	0
8th Floor	C-D/7-9	D	Window Frame	Metal	Blue	Fair	3.4
8th Floor	C-D/7-9	D	Wall	Wood	White	Poor	0.34
8th Floor	C-D/7-9	D	Baseboard	Metal	Blue	Fair	0.07
8th Floor	C-D/7-9	D	Radiator	Metal	Silver	Intact	0.02
8th Floor	E-B.4/1-3	С	Wall	Plaster	Beige	Poor	0.29
8th Floor	E-B.4/1-3	С	. Window Frame	Metal	White	Fair	0.13
8th Floor	E-F/1-2	В	Wall	Plaster	White	Poor	-0.2
8th Floor	G-H/8-9	В.	Window Frame	Metal	Beige	Fair	0.44
8th Floor	G-H/8-9	D	Wall	Plaster	Beige	Poor	0.17
8th Floor	G-I/7-5		Tile	Tile	Tan	Fair	2.9

Rib Floor G-I/7-5 Golumn Plaster Blue Fair O.2	1							
Sth Floor G-J/7-5 B Wall Plaster Blue Poor 0.3 Sth Floor H-J/1-3 A Wall Plaster Blue Poor 0.3 Sth Floor H-J/1-3 A Wall Plaster Blue Poor 0.0 Sth Floor H-J/1-3 A Wall Plaster White Poor 0.4 Sth Floor H-J/1-3 A Wall Plaster White Poor 0.4 Sth Floor H-J/1-3 A Wall Plaster White Poor 0.4 Sth Floor K-M/1-1-12 B Wall Plaster White Poor 0.2 Sth Floor L-M/1-3 A Wall Plaster White Poor 0.2 Sth Floor L-M/1-3 A Wall Plaster White Poor 0.2 Sth Floor L-M/1-3 A Wall Plaster White Poor 0.2 Sth Floor L-M/1-3 A Wall Plaster White Poor 0.2 Sth Floor L-M/1-3 A Wall Plaster White Poor 0.2 Sth Floor L-M/1-3 D Wall Plaster White Poor 0.5 Sth Floor L-M/10-12 D Wall Plaster White Poor 0.6 Sth Floor L-M/10-12 D Wall Plaster White Poor 0.6 Sth Floor P-M/1-2 B Door Wood Stain Fair 0.12 Sth Floor P-M/1-2 B Door Frame Metal Brown Fair 0.06 Sth Floor P-M/1-2 A Wall Plaster White Poor 0.3 Sth Floor P-M/1-2 B Door Frame Metal Brown Fair 0.06 Sth Floor P-M/1-2 C Wall Plaster White Poor 0.3 Sth Floor P-M/1-2 C Wall Plaster White Poor 0.3 Sth Floor P-M/1-3 A Wall Plaster White Poor 0.0 Sth Floor P-M/1-3 B Window Frame Metal White Fair 0.12 Sth Floor A-B.4/11 B Window Frame Plaster White Poor 0.04 Sth Floor A-B.4/11 B Window Frame Plaster White Poor 0.14 Sth Floor A-B.4/11 B Window Frame Plaster Brown Fair 0.6 Sth Floor A-B.4/11 B Window Frame Plaster Beige Poor 0.14 Sth Floor A-B.4/1- A Wall Plaster Beige Poor 0.15 Sth Floor A-B.4/1- A Wall Plaster Beige Poor 0.14 Sth Floor A-B.4/1- A Wall Plaster Beige Poor 0.15 Sth Floor B-4-D/6-9 ABCD Ceiling Plaster Beige			Side	Component	Substrate	Color	Condition	Pb
Bith Floor G-I/T-5 B Wall Plaster Blue Poor 0.3		<u> </u>			Plaster	Blue	Fair	0.2
8th Floor H-J/I-3 A Wall Plaster of the plaster of the proof of the pr					Metal	Beige	Fair	0.01
### Bit Floor H-J/1-3 A Wall Plaster White Poor 0 ### Bit Floor H-J/1-3 C Wall Plaster White Poor 0-0.4 ### Bit Floor K-M/1-1-12 B Wall Plaster White Poor 0.2 ### Bit Floor L-M/1-3 A Wall Plaster White Poor 0.2 ### Bit Floor L-M/1-3 A Wall Plaster White Poor 0.2 ### Bit Floor L-M/1-3 C Wall Plaster White Poor 0.2 ### Bit Floor L-M/1-12 A Wall Plaster White Poor 1.6 ### Bit Floor L-O/10-12 D Wall Plaster White Poor 1.6 ### Bit Floor L-O/10-12 D Wall Plaster White Poor 0.16 ### Bit Floor L-O/10-12 D Wall Plaster White Poor 0.16 ### Bit Floor L-O/10-12 D Wall Plaster White Poor 0.16 ### Bit Floor L-O/10-12 D Wall Plaster White Poor 0.16 ### Bit Floor P-O/1-2 B Door Frame Metal Brown Fair 0.12 ### Bit Floor P-O/1-2 B Door Frame Metal Brown Fair 0.12 ### Bit Floor P-O/1-2 A Wall Plaster White Poor 0.0 ### Bit Floor P-O/1-2 C Wall Plaster White Poor 0.0 ### Bit Floor P-O/1-2 C Wall Plaster White Poor 0.0 ### Bit Floor P-O/8-9 D Window Frame Metal White Poor 0.2 ### Bit Floor P-O/8-9 D Wall Plaster White Poor 0.2 ### Bit Floor A-B.4/11- C Wall Plaster White Poor 0.2 ### Bit Floor A-B.4/11- A Wall Plaster White Poor 0.15 ### Bit Floor A-B.4/11- A Wall Plaster White Poor 0.15 ### Bit Floor A-B.4/11- A Wall Plaster Brown Fair 0.6 ### Bit Floor A-B.4/11- A Wall Plaster Beige Poor 0.7 ### Bit Floor A-B.4/1- B Wall Plaster Beige Poor 0.7 ### Bit Floor A-B.4/1- B Wall Plaster Beige Poor 0.7 ### Bit Floor A-B.4/1- B Wall Plaster Beige Poor 0.7 ### Bit Floor A-B.4/1- B Wall Plaster Beige Poor 0.7 ### Bit Floor A-B.4/1- B Wall Plaster Beige Poor 0.7 ### Bit Floor B-A-D/6		<u>. </u>		_1				<u> </u>
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8th Floor K-M/11-12 B Wall Plaster Plaster White Poor 1.9 8th Floor L-M/1-3 A Wall Plaster Plink Poor 0.2 8th Floor L-0/10-12 A Wall Plaster White Poor 1.6 8th Floor L-0/10-12 C Wall Plaster White Poor 1.6 8th Floor L-0/10-12 D Wall Plaster White Poor 1.6 8th Floor L-0/10-12 D Wall Plaster White Poor 0.16 8th Floor P-0/1-2 A D Wall Plaster White Poor 0.6 8th Floor P-0/1-2 B Door Wood Stain Fair 0.12 8th Floor P-0/1-2 B Door Frame Metal Brown Fair 0.12 8th Floor P-0/1-2 C Wall Plaster White Poor 0.0 <tr< td=""><td><u> </u></td><td></td><td>J</td><td></td><td></td><td></td><td>Poor</td><td></td></tr<>	<u> </u>		J				Poor	
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9th Floor B.4-D/6-9 ABCD Ceiling Plaster Beige Poor 0.16 9th Floor B.4-D/6-9 ABCD Ceiling Beam Plaster Beige Poor 0.06 9th Floor B.4-D/6-9 ABCD Water Pipe Plaster Beige Intact 0.06 9th Floor B.4-D/6-9 A Wall Plaster Beige Poor 0.04 9th Floor B.4-D/6-9 C Wall Plaster Beige Poor 0.02 9th Floor C-D/4-5 A Door Frame Plaster Blue Fair 0.06 9th Floor C-D/4-5 A Wall Plaster Blue Poor 0.02 9th Floor D-F/4-6 D Window Frame Plaster Beige Poor 0.25 9th Floor E-F/11-12 A Wall Plaster Beige Poor 0.25 9th Floor E-F/11-12 Ceiling Plaster White Poor 0.03 9th Floor I-J/8-10 D Window Frame Plaster White Fair 3.4 9th Floor I-J/8-10 B Door Plaster Beige Fair 0.13	9th Floor	B.4-D/6-9	D	Wall	Plaster		Poor	
9th Floor B.4-D/6-9 ABCD Ceiling Beam Plaster Beige Poor 0.06 9th Floor B.4-D/6-9 ABCD Water Pipe Plaster Beige Intact 0.06 9th Floor B.4-D/6-9 A Wall Plaster Beige Poor 0.04 9th Floor B.4-D/6-9 C Wall Plaster Beige Poor 0.02 9th Floor C-D/4-5 A Door Frame Plaster Blue Fair 0.06 9th Floor C-D/4-5 A Wall Plaster Blue Poor 0.02 9th Floor D-F/4-6 D Window Frame Plaster Beige Poor 5.2 9th Floor E-F/11-12 A Wall Plaster Beige Poor 0.25 9th Floor E-F/11-12 Ceiling Plaster White Poor 0.03 9th Floor I-J/8-10 D Window Frame Plaster White Fair 3.4 9th Floor I-J/8-10 B Door Plaster Beige Fair 0.13	9th Floor	B.4-D/6-9	ABCD	Ceiling	Plaster		Poor	0.16
9th Floor B.4-D/6-9 ABCD Water Pipe Plaster Beige Intact 0.06 9th Floor B.4-D/6-9 A Wall Plaster Beige Poor 0.04 9th Floor B.4-D/6-9 C Wall Plaster Beige Poor 0.02 9th Floor C-D/4-5 A Door Frame Plaster Blue Fair 0.06 9th Floor C-D/4-5 A Wall Plaster Blue Poor 0.02 9th Floor D-F/4-6 D Window Frame Plaster Beige Poor 5.2 9th Floor E-F/11-12 A Wall Plaster Beige Poor 0.25 9th Floor E-F/11-12 Ceiling Plaster White Poor 0.03 9th Floor I-J/8-10 D Window Frame Plaster White Fair 3.4 9th Floor I-J/8-10 B Door Plaster Beige Fair 0.13	9th Floor	B.4-D/6-9	ABCD	Ceiling Beam	Plaster		Poor	0.06
9th Floor B.4-D/6-9 A Wall Plaster Beige Poor 0.04 9th Floor B.4-D/6-9 C Wall Plaster Beige Poor 0.02 9th Floor C-D/4-5 A Door Frame Plaster Blue Fair 0.06 9th Floor C-D/4-5 A Wall Plaster Blue Poor 0.02 9th Floor D-F/4-6 D Window Frame Plaster Beige Poor 5.2 9th Floor E-F/11-12 A Wall Plaster Beige Poor 0.25 9th Floor E-F/11-12 Ceiling Plaster White Poor 0.03 9th Floor I-J/8-10 D Window Frame Plaster White Fair 3.4 9th Floor I-J/8-10 B Door Plaster Beige Fair 0.13	9th Floor	B.4-D/6-9	ABCD	Water Pipe	Plaster			
9th Floor B.4-D/6-9 C Wall Plaster Beige Poor 0.02 9th Floor C-D/4-5 A Door Frame Plaster Blue Fair 0.06 9th Floor C-D/4-5 A Wall Plaster Blue Poor 0.02 9th Floor D-F/4-6 D Window Frame Plaster Beige Poor 5.2 9th Floor E-F/11-12 A Wall Plaster Beige Poor 0.25 9th Floor E-F/11-12 Ceiling Plaster White Poor 0.03 9th Floor I-J/8-10 D Window Frame Plaster White Fair 3.4 9th Floor I-J/8-10 B Door Plaster Beige Fair 0.13	9th Floor	B.4-D/6-9	Α	Wall	Plaster		Poor	0.04
9th FloorC-D/4-5AWallPlasterBluePoor0.029th FloorD-F/4-6DWindow FramePlasterBeigePoor5.29th FloorE-F/11-12AWallPlasterBeigePoor0.259th FloorE-F/11-12CeilingPlasterWhitePoor0.039th FloorI-J/8-10DWindow FramePlasterWhiteFair3.49th FloorI-J/8-10BDoorPlasterBeigeFair0.13	9th Floor	B.4-D/6-9	С	Wall	Plaster		Poor	0.02
9th FloorD-F/4-6DWindow FramePlasterBeigePoor5.29th FloorE-F/11-12AWallPlasterBeigePoor0.259th FloorE-F/11-12CeilingPlasterWhitePoor0.039th FloorI-J/8-10DWindow FramePlasterWhiteFair3.49th FloorI-J/8-10BDoorPlasterBeigeFair0.13	9th Floor	C-D/4-5	Α	Door Frame	Plaster	Blue	Fair	0.06
9th FloorD-F/4-6DWindow FramePlasterBeigePoor5.29th FloorE-F/11-12AWallPlasterBeigePoor0.259th FloorE-F/11-12CeilingPlasterWhitePoor0.039th FloorI-J/8-10DWindow FramePlasterWhiteFair3.49th FloorI-J/8-10BDoorPlasterBeigeFair0.13	9th Floor	C-D/4-5	Α	Wall				
9th FloorE-F/11-12AWallPlasterBeigePoor0.259th FloorE-F/11-12CeilingPlasterWhitePoor0.039th FloorI-J/8-10DWindow FramePlasterWhiteFair3.49th FloorI-J/8-10BDoorPlasterBeigeFair0.13	9th Floor	D-F/4-6	D	Window Frame				
9th FloorE-F/11-12CeilingPlasterWhitePoor0.039th FloorI-J/8-10DWindow FramePlasterWhiteFair3.49th FloorI-J/8-10BDoorPlasterBeigeFair0.13	9th Floor	E-F/11-12	Α	Wall				_ : _ :
9th FloorI-J/8-10DWindow FramePlasterWhiteFair3.49th FloorI-J/8-10BDoorPlasterBeigeFair0.13	9th Floor	E-F/11-12		Ceiling				
9th Floor I-J/8-10 B Door Plaster Beige Fair 0.13	9th Floor	I-J/8-10	D ·					
	9th Floor	I-J/8-10	В	Door				
	9th Floor	I-J/8-10	В	Door Frame	Plaster			

Floor		Side		Substrate	Color	Condition	Pb
9th Floor	I-J/8-10		Wall	Plaster	Brown	Poor	0.09
9th Floor	L-K/1-3	С	Window Frame	Metal	Brown	Fair	7.3
9th Floor	L-K/1-3	В	Wall	Plaster	Beige	Poor	0.1
9th Floor	O-P/8-9	A	Tile	Tile	Tan	Good	14
9th Floor	O-P/8-9	D	Window Frame	Plaster	White	Fair	6.6
9th Floor	O-P/8-9	Α ·	Wall	Plaster	White	Fair	0.13
9th Floor	O-P/8-9	ABCD	Ceiling	Plaster	White	Poor	-0.2
9th Floor	P-O/1-2	A	Wall	Plaster	White	Poor	1
9th Floor	P-O/1-2	В	Wall	Plaster	White	Poor	0.6
9th Floor	P-O/1-2	,C	Wall	Plaster	White	Poor	0.48
9th Floor	P-O/1-2	D	Wall	Plaster	White	Роог	0
9th Floor	P-O/1-2	ABCD	Ceiling	Plaster	White	Poor	-0.2
9th Floor	P-O/7-8	A	Wall	Plaster	White	Poor	0.15
9th Floor	P-O/7-8	С	Wall	Plaster	White	Poor	0.01
9th Floor	P-O/7-8	ABCD	Ceiling	Plaster	White	Poor	-0.2
10th Floor	A.2-11	С	Brick	Brick	Yellow	Poor	19
10th Floor	A.2-11	С	Baseboard	Concrete	Brown	Fair	0.38
10th Floor	A-B/4-5	В	Wall	Plaster	Green	Poor	15
10th Floor	A-B/4-5	ABCD	Ceiling	Plaster	Green	Poor	6.4
10th Floor	A-B/5-6	С	Wall	Plaster	Beige	Poor	15 ·
10th Floor	A-B/5-6	Α	Wall	Plaster	Beige	Poor	14
10th Floor	A-B/5-6	В	Wall	Plaster	Beige	Poor	12
10th Floor	A-B/5-6	D	Door	Wood	Beige	Fair	0.43
10th Floor	A-B/5-6	D	Door Frame	Wood	Beige	Fair	0.24
10th Floor	A-B/5-6	ABCD	Ceiling	Plaster	Beige	Poor	0.06
10th Floor	G-H/10.8- 12	В	Wall	Metal	Beige	Intact	7.3
10th Floor	G-H/10.8- 12	В	Cot	Metal	Beige	Intact	5.3
10th Floor	G-H/10.8- 12	J.A	Bars	Metai	Gray	Fair	2.2
10th Floor	G-H/10.8- 12	ABCD	Ceiling	Plaster	Beige	Poor	0.6
10th Floor	G-H/10.8- 12	С	Shelf	Metal	Beige	Fair	0.24
10th Floor	H-I/10.8-12	В	Stairwell Stringer	Metal	Gray	Fair	2.8
10th Floor	H-I/10.8-12	Α	Stairwell Treed	Metal	Red	Poor	2.8
10th Floor	H-I/10.8-12	Α	Bars	Metal	Gray	Poor	0.6
10th Floor	H-I/10.8-12		Handrail	Metal	Gray	Poor	0.4
10th Floor	H-I/10.8-12	В	Wall	Metal	Beige	Fair	0.28
10th Floor	H-I/10.8-12	D	Cell Gate Panel	Metal	Beige	Fair	0.11
10th Floor	H-I/10.8-12		Ceiling	Plaster	Beige	Poor	-0.9
10th Floor	H-I/1-4	ABCD	Ceiling	Plaster	Beige	Poor	26
10th Floor	H-I/1-4	ABCD	Ceiling Ducting	Metal	Beige	Fair	24
10th Floor	H-I/1-4	В	Window Frame	Metal	Brown	Fair	22
10th Floor	H-I/1-4	ABCD	Bench	Wood	Beige	Fair	3.6
10th Floor	H-I/1-4	С	Radiator	Metal	Brown	Fair	0.05
10th Floor	P/11-12	D	Brick	- Brick	Beige	Intact	20

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Floor	Location	Side	Component	Substrate	Color		· Pb
10th Floor	P/11-12	В	Wall	Metal	Beige	Poor	8.7
10th Floor	P/11-12	D	Window Bars	Metal	Gray	Fair	2.5
10th Floor	P/11-12	. D	Radiator	Metal	Gray	Fair	0.17
10th Floor	P/11-12	ABCD	Ceiling	Plaster	Beige	Poor	0.06
11th Floor	A-B/11-12	В	Stairwell Door	Metal	Gray	Poor	6.9
11th Floor	A-B/11-12	D	Wall	Metal	Gray	Poor	5
11th Floor	A-B/11-12	ABCD	Floor	Concrete	Gray	Fair	0.01
11th Floor	A-B/1-2	D	Wall	Metal	Gray	Poor	13
11th Floor	A-B/1-2	D	Bars	Metal	Gray	Poor	3.1
11th Floor	E.5-F/10- 10.8	В	Wali	Metal	Beige	Fair	15
11th Floor	E.5-F/10- 10.8	A	Cell Door	Metal	Gray	Fair	0.26
11th Floor	E.5-F/10- 10.8	ABCD	Ceiling	Plaster	Beige	Poor	-0.2
11th Floor	G-1/4-9	В	Tile	Tile	White	Intact	4.4
11th Floor	G-1/4-9	D	Window Frame	Metal	Gray	Fair	0.6
11th Floor	G-1/4-9	ABCD	Ceiling	Plaster	Beige	Intact	0.4
11th Floor	G-1/4-9		Ceiling	Plaster	White	Poor	0.1
11th Floor	G-I/4-9	С	Wall	Plaster	Beige	Fair	0.01
11th Floor	G-I/4-9	ABCD	Floor	Concrete	Red	Poor	0.01
11th Floor	G-1/4-9	В	HVAC Duct	Metal	Beige	Fair	0
11th Floor	G-1/4-9	В	Door	Metal	Gray	Intact	0
11th Floor	G-1/4-9		Tile	Tile	White	Intact	0
11th Floor	G-I/4-9	Α	Metal Screen	Metal ·	Gray	Intact	-0.3
11th Floor	H-1/10- 11.8	D	Wall	Metal	Beige	Fair	4.5
11th Floor	H-1/10- 11.8	ABCD	Stair Stringer	Metal	Gray	Fair	3.5
11th Floor	H-1/10- 11.8	ABCD	Ceiling	Plaster	Beige	Poor	0.1
11th Floor	O-P/11-12	Α	Brick	Brick	Beige	Intact	24
11th Floor	O-P/11-12	С	Bars	Metal	Gray	Poor	0.6
11th Floor	O-P/11-12	ABCD	Ceiling	Plaster	Beige	Fair	0.22
11th Floor	O-P/11-12	Α	Radiator	Metal	Gray	Poor	0.16
11th Floor	O-P/11-12	Α	Window Panel	Metal	Gray	Fair	0.06
12th Floor	H-K/5-8	Α	Brick	Brick	White	Intact	30
12th Floor	H-K/5-8		Elevator Door	Metal	Gray	Intact	0.4
12th Floor	H-K/5-8	D	Baseboard	Concrete	Brown	Intact	0.28
12th Floor	H-K/5-8	С	Door	Metal	Blue	Intact	0.24
12th Floor	H-K/5-8	ABCD	Ceiling	Metal	White	Fair	0.06
12th Floor	H-K/5-8	ABCD	Visitor Booth 19	Metal	White	Intact	0.05
12th Floor	H-K/5-8	D	Wall	Plaster	Beige ⁻	Fair	0.01
12th Floor	K/11	ABCD	Cot	Metal	Beige	Fair	10
12th Floor	K/11	В	Cell	Metal	Beige	Fair	5.4
12th Floor	K/11	D	Wall	Metal	Gray	Poor	5.4
12th Floor	K/11	В	Frame	Metal	Gray	Poor	5.1
12th Floor	K/11	Α	Bars	Metal	Gray	Poor	0.24

Floor	Location	Side :	· Camaaaa	Cubatasta	0-1		- CI-
12th Floor	K/11	Side	Component	Substrate Plaster		Condition	Pb
12th Floor	K/11	ABCD	Ceiling Ceiling		Beige	Fair	0.09
12th Floor	O-P/11-12	ABCD	Brick	Plaster Brick	Beige	Poor	0.04
12th Floor	O-P/11-12	B	Wall	Metal	Beige	Intact	29
12th Floor	O-P/11-12	C	Bars	Metal	Gray	Poor	6.2
12th Floor	O-P/11-12	D	Window Frame	Metal	Gray	Poor Poor	4.4 2.9
12th Floor	O-P/11-12	<u> </u>	Ceiling	Plaster	Gray	Fair	0.09
13th Floor	A-G/1-2	С	Wall	Brick	Beige Blue	Intact	26
13th Floor	A-G/1-2	A	Wall	Plaster	Blue	Intact	0
13th Floor	A-G/1-2	ABCD	HVAC Duct .	Metal	Beige	Intact	0
13th Floor	A-G/1-2	D	Wall	Stucco	Beige	Intact	0
13th Floor	I-H/10-11.8	В	Metal	Metal	Beige	Intact	7.2
13th Floor	I-H/10-11.8	A	Handrail Post	Metal	Gray	Poor	0.9
13th Floor	I-H/10-11.8	В	Wall	Metal	Beige	Poor	0.15
13th Floor	O-P/11-12	D	Window Frame	Metal	Beige	Poor	0.9
13th Floor	O-P/11-12	D	Wall	Plaster	Beige	Fair	0.2
13th Floor	O-P/11-12	ABCD	Ceiling	Plaster	Beige	Роог	0.09
14th Floor	A-D/3-8	D	Brick	Brick	Beige	Intact	21
14th Floor	A-D/3-8	D	Door	Metal	Beige	Intact	6.5
14th Floor	A-D/3-8	В	Wall	Plaster	Beige	Fair	3.9
14th Floor	A-D/3-8	ABCD	Ceiling	Plaster	Beige	Poor	0.12
14th Floor	E-G/10-12	В	Wall	Plaster	White	Intact	1.4
14th Floor	E-G/10-12	Α	Wali	Plaster	Blue	Fair	1.1
14th Floor	F-9	С	Wall	Plaster	Beige	Fair	1.4
14th Floor	I-J/1	С	Brick	Brick	Beige	Intact	16
14th Floor	I-J/1	С	Metal	Metal	White ·	Fair	14
14th Floor	J/2	ABCD	Railing	Metal	Red	Роог	0.26
14th Floor	J/2		Floor	Brick	Red	Intact	0.1
14th Floor	M-N/6-9	В	Wall	Plaster	Tan	Poor	4.3
14th Floor	M-N/6-9	D	Wall	Plaster	Tan	Fair	3.8
14th Floor	O-P/11-12	С	Partition	Wood	White	Fair	0.2
14th Floor	O-P/1-2	С	Wall	Plaster	Beige	Intact	1.5
14th Floor	O-P/1-2	С	Window Frame	Metal	Beige	Poor	0.25
14th Floor	O-P/1-2	Α	Wall	Plaster	Beige	Intact	0.18
15th Floor	A-B/7-8	В	Wall	Concrete	Green	Intact	0.5
15th Floor	A-G/1-4	С	Wall	Concrete	Beige	Intact	6.6
15th Floor	A-G/1-4	Α	Wall	Brick	Beige	Intact	2.4
15th Floor	A-G/1-4	Α	Wall	Concrete	Green	Fair	0.04
15th Floor	A-I/10-12	С	Wall	Brick	Beige	Fair	3
15th Floor	A-I/10-12	В	Wall	Concrete	Beige	Intact	2.4
15th Floor	A-I/10-12	A	Wall	Concrete	Beige	Intact	2.1
15th Floor	A-I/10-12	С	Wall .	Stucco	Beige	Intact	8.0
15th Floor	A-I/10-12	ABCD	Ceiling	Metal	White	Fair	0.3
15th Floor	G-H/0-5	ABCD	Elevator Motor	Metal	Gray	Fair	4.1
15th Floor	G-H/7	Α	Wall	Concrete	Beige	Роог	26
15th Floor	H/5	D	Ladder	Metal	Gray	Poor	7.4

4.0 DISCUSSION

Worker Protection

California regulations (8 CCR 1532.1) define lead-related construction work as, "Construction, alteration, painting, demolition, salvage, renovation, repair, or maintenance of any residential, public or commercial building, including preparation and clean-up, that, by using or disturbing lead containing material or soil, may result in significant exposure of individuals to lead". As such, Cal/OSHA does not distinguish between LBP and paint that contains lead at a lower concentration. The presence of lead at any level requires that exposure assessments be conducted and the provisions of 8 CCR 1532.1 be followed, including but not limited to training, notification, medical evaluations, and personal protective equipment.

LBP and lead containing paint is present on the many of the components inspected. Due to the limited nature of this inspection, not all substrates were tested. We recommend that at a minimum, hazard communication training and exposure assessments be required for employees who may be exposed to lead. Additional training may be required in accordance with 8 CCR 1532.1, depending upon the specific tasks and location.

Handling/Disposal

Demolition or remodeling would include the disturbance of known lead-based paint.

Loose, Chipping Paint

If paint is chipping or peeling from its substrate, the damaged paint should be cleaned from the substrate and this waste tested as described below. The substrate can then be treated as construction debris.

A composite sample should be analyzed for Total Threshold Limit Concentration (TTLC) by USEPA reference method SW846. If the concentration of lead is greater than 350 mg/kg the sample must be disposed of at a landfill which can accept construction materials with greater than 350 mg/kg lead. If the concentration is less than 50 mg/kg the sample may be disposed of as construction debris, if it is to remain in California. If the result falls between 50 mg/kg and 350 mg/kg, the sample must be further analyzed by the Waste Extraction Test (WET) for Soluble Threshold Limit Concentration (STLC) as described in 22 CCR 66261.24a. If this concentration exceeds 5 mg/liter the sample must be treated as hazardous waste.

Outside of California

All lead-containing paint which may be disposed of outside the State of California must be tested for Toxicity Characteristic Leaching Procedure (TCLP) regardless of whether it is essentially intact. The sample may be a composite of the paint and the substrate if the paint is intact. Any material with results exceeding 5 mg/l must be treated as hazardous waste.

APPENDIX

XRF Calibration Form

Address/Unit:	HALL	HALL OF JUTICE						
Device:	LITON	<u> </u>	49214598					
Date:	12/27/	05 05						
Inspector:	R. Ru	UCK .						
Calibration Check Tolerance Used: 1.0 mg/cm2 Use Level III (1.02 mg/cm2) NISH SRM Paint Film								
First Calibration Cl	heck	•	Time: 0705					
1st Reading 2n	d Reading	3 rd Reading	1st Average	1 st Ave - 1.02 mg/cm2				
1.1	1.0	1.0		1.02 119/0112				
Second Calibration	Check		Tim	e: <u>1243</u>				
1 st Reading 2 nd	d Reading	3 rd Reading	2 nd Average	2 nd Ave - 1.02 mg/cm2				
1.2	1.2	1.2						
Third Calibration Check (If Needed) Time:								
1 st Reading 2 nd	Reading	3 rd Reading	3 rd Average	3 rd Ave - 1.02 mg/cm2				
	·			` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `				

Use the 30-Second Standard Mode Reading

XRF Calibration Form

Address/Unit:	Hace of	- JUTICE				
Device:	Vitor	U39491	JR4598			
Date:	12/28/	, 94	 			
Inspector:	Roser	RINCK				
Calibration Check Tolerance Used: 1.0 mg/cm2 Use Level III (1.02 mg/cm2) NISH SRM Paint Film						
First Calibration Check Time: 0650						
1st Reading	2 nd Reading	3 rd Reading	1st Average	1 st Ave - 1.02 mg/cm2		
1.1.	1.1	1.1				
.		•				
Second Calibra	tion Check		Tim	e: <u>/2o5</u>		
1st Reading	2 nd Reading	3 rd Reading	2 nd Average	2 nd Ave - 1.02 mg/cm2		
1-1	1-1	1-1				
Third Calibratio	on Check (If Nee	ded)	Tim	e: <i>[539</i>]		
1st Reading	2 nd Reading	3 rd Reading	3 rd Average	3 rd Ave - 1.02 mg/cm2		
1-2	1.1	1-1				

. Use the 30-Second Standard Mode Reading

APPENDIX E
LABORATORY RESULTS, LEAD, SECTION 4.2

DATE:

December 16, 2004

Page 1 of 2

CLIENT:

MACTEC

200 Citadel Dr.

Los Angeles, CA 90040

ATTENTION:

Don Harman

REFERENCE:

PO# BPO18040461

4952-04-2862/03 HOJ Lead in waste

REPORT NO:

97695

DATE OF SAMPLE COLLECTION: 12/09/04 by Rey Gavnica

DATE RECEIVED:

December 13, 2004

DATE ANALYZED:

December 14, 2004

ACCREDITATION:

American Industrial Hygiene Association (AIHA)

Laboratory ID #101634 (Full Accreditation)

Environmental Lead NLLAP

California Dept. of Health Services ELAP 1119.

SUBJECT:

ANALYSIS OF FOUR BULK SAMPLE(S) FOR LEAD

The sample(s) was/were identified as: 1 to 4

The sample(s) was/were digested according to EPA Method 3050B and analyzed for lead according to EPA Method 7420.

The results of the analyses and the detection limits are summarized on the following pages, accompanied by the chain of custody.

Respectfully submitted, EMS Laboratories, Inc.

Technical Director

AJK/csl

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples. Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

12-14-04

EMS LABORATORIES CHEMISTRY REPORT

page 2

of 2

CLIENT: MACTEC

LABORATORY NUMBER: 97695

ELEMENT

DETECTION LIMIT

(mg)

LEAD

< 0.02

SAMPLE NAME

WEIGHT

ELEMENT

(mg)

BLANK

LEAD

< 0.02

METHOD: EPA 7420/3050B

ppm = parts per million

ELEMENT	(mg)	CONCENTRATION (ppm)
001	BULK WEIGHT 5.979 grams	
LEAD	0.28	47
002	BULK WEIGHT 5.8842 grams	
LEAD	0.11	18
003	BULK WEIGHT 5.8388 grams	
LEAD	0.06	11
004	BULK WEIGHT 5.9244 grams	
LEAD	0.09	16

CHEMIST $\sqrt{2}$

SUBMITTAL	FORM/Laborator	y Services	4 341	PA	GE (OF /
TURNAROUND TIME:	STD 48 HR.	24 HR.	RELINQUISHED	(,) =	Lam
<8 HR. WKND	······································		TIME / DATE	12/18/69	<u> </u>
♦ CLIENT	TEC		DATE OF SHIPME CLIENT P.O. NO.	NT	CARRIER
▼ NUURE33				JECT ID NO(S)	4952-04-28624
TELEPHONE 30	23 889 5378)	03 110	a	n waste
♦ CONTACT	m Harmen		_ ♦ PACKAGE SHIPP	ED FROM	
▶ RESULTS REQUESTE (NOTE: Complete written reports will	D VIA VERBAL I follow all analyses, in addition to a	FAX ny prior transmitted verbal	♦ CLIENT FAX NO or fax results.)	323721	6700
DATE/TIME OF SAMP	LE COLLECTION	12/09	104		
♦ SAMPLE PRESERVAT	_ /	11-1	HOLDING TIMES	NK	7-
NO. OF SAMPLES SE	NT <u>4</u> / SA	MPLER'S NAME		/ Key	Gazvnica
♦ TYPE: ☐ WATER ☐ \	WASTE WATER □SC	OIL FILTER	SORBENT TUBE	PRINTED IMPINGER	POTHER 704P
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MACTEC Engineering and Consulting, Inc $\mathcal{H}\circ\mathcal{I}$

Project Name

4452-04-2862

Project No.

12/09/04

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Date	Sample No.	10 91	B 0.2	18603	P6.04							

DATE:

December 16, 2004

Page 1 of 2

CLIENT:

MACTEC

200 Citadel Drive

Los Angeles, CA 90044

ATTENTION:

Don Harmon

REFERENCE:

BPO18040461

4952-04-2862

REPORT NO:

97714

DATE OF SAMPLE COLLECTION: 12/14/04 by Don E. Harmon

DATE RECEIVED:

December 14, 2004

DATE ANALYZED:

December 15, 2004

ACCREDITATION:

American Industrial Hygiene Association (AIHA),

Laboratory ID # 101634 (Full Accreditation)

Environmental Lead NLLAP

California Dept. of Health Services ELAP 1119

SUBJECT:

ANALYSIS OF TWO BULK SAMPLE(S) FOR LEAD

The sample(s) was/ were identified as: DH1412-02, PB-05

The bulk sample(s) was/ were analyzed for lead by digestion according to EPA method 3050M and 3050B, analysis by EPA method 7420.

The results of the analyses and the detection limit(s) are summarized on the following page(s), accompanied by the chain of custody.

Respectfully submitted,

EMS Laboratories, Inc.

Technical Director

AJK/vm

Method 3050 requires 1 to 2 grams of sample. The method is being used with paint chips with less than 1 gram sample and is designated 3050M.

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

12-15-04

EMS LABORATORIES CHEMISTRY REPORT

page 2 LABORATORY NUMBER: 97714

CLIENT: MACTEC

DETECTION LIMIT

(mg)

LEAD

ELEMENT

< 0.02

SAMPLE NAME

WEIGHT

ELEMENT

BLANK

(mg)

LEAD

< 0.02

METHOD: EPA 7420/3050M/B

ppm = parts per million

SAMPLE NAME **ELEMENT**

WEIGHT

CONCENTRATION (ppm)

(mg)

DH1412-02

LEAD

PB-05

BULK WEIGHT .2323 grams

110

480000

LEAD

0.02

BULK WEIGHT 2.099 grams

11

CHEMIST FNL

SUBMITTAL FORM/Laboratory Services	PAGE OF I
TURNAROUND TIME: STD 48 HR. 24 HR. 24 HR.	
<8 HR. WKND OTHER:	1 FTIME / DATE 12/14/04
CLIENT	_ ♦ DATE OF SHIPMENT ♦ CARRIER
♦ ADDRESS	_
♦ TELEPHONE323 889 5378	4952-04-2862
CONTACT Pon Harman	▶ PACKAGE SHIPPED FROM
▶ RESULTS REQUESTED VIA VERBAL FAX (NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verballows)	♦ CLIENT FAX NO.3237216700 al or fax results.)
DATE/TIME OF SAMPLE COLLECTION	
SAMPLE PRESERVATIVES None	HOLDING TIMES
NO. OF SAMPLES SENT SAMPLER'S NAM	SIGNATURE PRINTED
♦ TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER	☐ SORBENT TUBE ☐ IMPINGER ☑ OTHER
(FOR EMS ONLY)	VOLUME TIME WEIGHT
EMS Sample No. CLIENT SAMPLE NO. DE	ESCRIPTION LOCATION ANALYSIS TIME WEIGHT OF APPLICABLES
97714-12 DH1412-02	772C
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1/ 165 PB-05	
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97714	
Laboratory No	_ • Received By _ C • Time > PM
Date of Package Delivery 12-14-04,	♦ Shipping Bill Retained: YES NONE ☑
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(NOTE: If the package has sustained substantial damage or the custody seal is broken, s	top and contact the project manager and the shipper.) Chain-of-Custody Signature

DATE:

December 20, 2004

Page 1 of 3

CLIENT:

MACTEC

200 Citadel Drive,

Los Angeles, CA 90040

ATTENTION:

Don Harmon

REFERENCE:

BPO18040461 4952042862-03

REPORT NO:

97740 -

DATE OF SAMPLE COLLECTION: 12/13/04 to 12/15/04 by Scott Campbell

DATE RECEIVED:

December 16, 2004

DATE ANALYZED:

December 17, 2004

ACCREDITATION:

American Industrial Hygiene Association (AIHA),

Laboratory ID # 101634 (Full Accreditation)

Environmental Lead NLLAP

California Dept. of Health Services ELAP 1119

SUBJECT:

ANALYSIS OF EIGHTEEN BULK SAMPLE(S) FOR LEAD

SC12/13-1 to SC12/13-4, SC12/13-7, SC12/13-9, The sample(s) was/ were identified as: SC12/14-1, SC12/14-3, SC12/14-8, SC12/14-9, SC12/14-11, SC12/14-15, SC12/14-16, SC12/14-17; SC12/14-19, SC12/14-24, SC12/14-25, SC12/14-26

The bulk sample(s) was/ were analyzed for lead by digestion according to EPA method 3050M and analysis by EPA method 7420.

The results of the analyses and the detection limit(s) are summarized on the following page(s), accompanied by the chain of custody.

Respectfully submitted,

EMS Laboratories, Inc.

Technical Director

AJK/vm

Method 3050 requires 1 to 2 grams of sample. The method is being used with paint chips with less than 1 gram sample and is designated 3050M.

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

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	'-04

EMS LABORATORIES CHEMISTRY REPORT

page 2

CLIENT: MACTEC

LABORATORY NUMBER: 97740

ELEMENT

DETECTION LIMIT

(mg)

LEAD

< 0.007

SAMPLE NAME

WEIGHT

ELEMENT

(mg)

BLANK

LEAD

< 0.007

METHOD: EPA 3050M/7420.

ppm = parts per million

SAMPLE NAME ELEMENT	`.	WEIGHT (mg)	CONCENTRATION (ppm)
·SC1213-1	BULK	WEIGHT .1602 grams	
LEAD		10.6	66000
SC1213-2	BULK	WEIGHT .0848 grams	• •
LEAD		4.2	49000
SC1213-3	BULK	WEIGHT .1702 grams	
LEAD		1.9	11000
SC1213-4	BULK	WEIGHT .1541 grams	
LEAD		15	99000
· SC1213-7	BULK	WEIGHT .1621 grams	
LEAD		0.58	3600
SC1213-9	BULK	WEIGHT .5329 grams	
LEAD		0.51	950
'SC1214-1	BULK	WEIGHT .6478 grams	
LEAD		< 0.007	< 20
' SC1214-3	BULK	WEIGHT .2489 grams	
LEAD		0.111	450
SC1214-8	BULK	WEIGHT .5328 grams	
LEAD		0.056	100
SC1214-9	BULK	WEIGHT .5016 grams	
LEAD		1.2	2500
· SC1214-11	BULK	WEIGHT .6396 grams	
LEAD		< 0.007	< 20
· SC1214-15	BULK	WEIGHT .1536 grams	·
LEAD		1.6	10500
· SC1214-16	BULK	WEIGHT .1561 grams	
LEAD		0.37	2400
· SC1214-17	BULK	WEIGHT .1586 grams	
LEAD		0.171	1080
SC1214-19	BULK	WEIGHT .5627 grams	
LEAD		1.4	2500
SC1214-24	BULK	WEIGHT .1596 grams	·
LEAD		1.1	7000

TACH FINE I ARCHATCHES

117 West Rellevise Drive / Pasadena CA 01105_2503 /626_568

12-17-04

EMS LABORATORIES CHEMISTRY REPORT LABORATORY NUMBER: 97740

page 3

CLIENT: MACTEC

SAMPLE NAME ELEMENT	WEIGHT (mg)	CONCENTRATION (ppm)
SC1214-25	BULK WEIGHT .7 grams	
LEAD	0.021	30
SC1214-26	BULK WEIGHT .6029 grams	
LEAD	0.037	60

SUBMITTAL	FORM/I sharets	Camaia an	177	· 0 —	the state of the
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TURNAROUND TIME:		24 HR.	RELINQUISHE	,	2
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TELEPHONE 213 101 5318 495204 2862/03					
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▶ RESULTS REQUESTED VIA VERBAL FAX CLIENT FAX NO. 323 721 €706 (NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)					
DATE/TIME OF SAMPLE COLLECTION					
SAMPLE PRESERVATIVES (20+14) HOLDING TIMES					
■ NO. OF SAMPLES SE	NT34	AMPLER'S NAM	E	SCOH	Campbell
TYPE: WATER WASTE WATER SOIL FILTER SORBENT TUBE IMPINGER NOTHER					
(FOR EMS ONLY)	\$		ara gott soller frame.		VOLUME
EMS Sample No.	CLIENT SAMPLE N	O. DE	ESCRIPŤION/LOCATIO	N/ANALYSIS	TIME:WEIGHT GF APPLICABLE)
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14-1.3.89	SC 12/14-1,	5C12/14-3	,		
11.15.16.17	SC 12/14-8,	SC12/14-	9		
97740[-36: 5) 40	50.12/14-11		2/2/15-17		
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	SCD/15-19		4 to 5Cp/14-26	>	
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26	5612/14-40	5c/2/14-4	15 to SCI2/14-	50	-
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Date of Package Delivery Received By Time NONE					
Condition of Package on Receipt					
(NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)					
No. of Samples 3 4 Chain-of-Custody Signature Chain-of-Custody Signature					
Date of Acceptance into Sample Bank / /- (6 - 0 9) Misc. Info.					
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EMS LABORATORIES 117 West Bellevue Drive / Pasadéna CA 91105-2503 / 626-568-4065					

DATE:

December 20, 2004

Page 1 of 2

CLIENT:

MACTEC

200 Citadel Drive,

Los Angeles, CA 90040

ATTENTION:

Don Harmon

REFERENCE:

BPO18040461 4952042862-03

REPORT NO:

97740.1

DATE OF SAMPLE COLLECTION: 12/13/04 to 12/15/04 by Scott Campbell

December 17, 2004

DATE RECEIVED:

December 16, 2004

DATE ANALYZED:

ACCREDITATION:

American Industrial Hygiene Association (AIHA),

Laboratory ID # 101634 (Full Accreditation)

Environmental Lead NLLAP

California Dept. of Health Services ELAP 1119

SUBJECT:

ANALYSIS OF SIXTEEN BULK SAMPLE(S) FOR LEAD

The sample(s) was/ were identified as: SC12/14-36, SC12/14-37, SC12/14-39, SC12/14-40,

SC12/14-45 to SC12/14-50, SC12/15-13, SC12/15-17, SC12/15-14,

SC12/15-19 to SC12/15-21

The bulk sample(s) was/ were analyzed for lead by digestion according to EPA method 3050M and analysis by EPA method 7420.

The results of the analyses and the detection limit(s) are summarized on the following page(s), accompanied by the chain of custody.

Respectfully submitted,

EMS Laboratories, Inc.

Technical Director AJK/vm

Method 3050 requires 1 to 2 grams of sample. The method is being used with paint chips with less than 1 gram sample and is designated 3050M.

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

1	2-	17	-04
	4-		-1,54

EMS LABORATORIES CHEMISTRY REPORT

page 2

CLIENT: MACTEC

LABORATORY NUMBER: 97740.1

ELEMENT

DETECTION LIMIT

(mg)

LEAD

< 0.007

SAMPLE NAME

WEIGHT

ELEMENT

(mg)

BLANK

LEAD

< 0.007

METHOD: EPA 3050M/7420.

ppm = parts per million

SAMPLE NAME ELEMENT	WEIGHT (mg)	CONCENTRATION (ppm)
• SC1214-36	BULK WEIGHT .7418 grams	
LEAD	0.035	47
SC1214-37	BULK WEIGHT .5037 grams	•
LEAD	0.064	130
SC1214-39	BULK WEIGHT .68 grams	
/ LEAD	0.020	30
SC1214-40	BULK WEIGHT .579 grams	
LEAD	0.095	160
^J SC1214-45	BULK WEIGHT .5879 grams	
LEAD	3.7	6300
^J SC1214-46	BULK WEIGHT .6351 grams	
LEAD	< 0.007	< 20
^J SC1214-47	BULK WEIGHT .654 grams	
LEAD	2.1	3100
SC1214-48	BULK WEIGHT .6255 grams	
LEAD	< 0.007	< 20
SC1214-49	BULK WEIGHT .7162 grams	•
LEAD	0.131	180
SC1214-50	BULK WEIGHT .5229 grams	
LEAD	< 0.007	< 20
^J SC1215-13	BULK WEIGHT .6134 grams	
LEAD	< 0.007	< 20
³ SC1215-14	BULK WEIGHT .5238 grams	
LEAD	< 0.007	< 20
¹ SC1215-17	BULK WEIGHT .2125 grams	
LEAD	104	490000
^J SC1215-19	BULK WEIGHT .5344 grams	
LEAD	0.040	80
'SC1215-20	BULK WEIGHT .515 grams	
LEAD	<0.007	< 20
SC1215-21	BULK WEIGHT .5909 grams	·
LEAD	< 0.007	< 20

SUBMITTAL FORM/Laboratory Services	OF TOTAL
TURNAROUND TIME: STD 48 HR. 24 HR. 24 HR. RELINQUISHED BY WILLIAM	UF
<8 HR. WKND OTHER: TIME / DATE O/C6/09	• *
DATE OF SHIPMENT CARRIER ◆ ADDRESS	₹
♦ ADDRESS	
↑ TELEPHONE 323 889 5378	•
▶ CONTACT ▶ PACKAGE SHIPPED FROM	
♦ RESULTS REQUESTED VIA VERBAL FAX CLIENT FAX NO. 323 721 6706	
(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)	•
DATE/TIME OF SAMPLE COLLECTION 12/13, 12/14 & 12/15	
SAMPLE PRESERVATIVES (20+14) HOLDING TIMES	
NO. OF SAMPLES SENT SAMPLER'S NAME SCOTT CAN	obell
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ZOTHE	R lead
	OLUME.
	IME WEIGHT IF APPLICABLE:
97740-123 SC12/13-1 to SC 12/3-4	
4.7.8 SC/2/13-7-10 SC/2/13-9	· .
1.13.14 SCB/15-13, SCB/15-14	•
17.19.20 SC12/15-17	
2(-24-7/6 SCO/15-19 to SC 12/5-21	
14-1.3.89 SC 12/14-1, SC 12/14-3,	
11.15.16,17 SC 12/14-8, SC 12/14-9	N
97740 -36: 9 40 sc12/14-11, Sc12/15-5C/2/15-17	
	
45 950 SCB/15-19, SCB/14-24 +65CB/14-26	
19:24.25 5C12/14-36, SC12/14-37, SC12/14-39	
26 5C12/14-40 5C12/14-45 to SC12/14-50	
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15 lines	
Laboratory No 97740	200
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Date of Acceptance into Sample Bank / / / / Misc. Info. // / / Misc. Info.	X
ZXO EMS LABORATORIES 117 West Bellevue Drive / Pasadéna CA 91105-2503 / 626-	568-4065

DATE:

December 22, 2004

Page 1 of 2

CLIENT:

MACTEC

200 Citadel Dr.

Los Angeles, CA 90040

ATTENTION:

Don Harman

REFERENCE:

PO# BPO18040461

4952042562/04

REPORT NO:

97783

DATE OF SAMPLE COLLECTION: 12/13/04 by Don E. Harman

DATE RECEIVED:

December 20, 2004

DATE ANALYZED:

December 20, 2004

ACCREDITATION:

American Industrial Hygiene Association (AIHA)

Laboratory ID #101634 (Full Accreditation)

Environmental Lead NLLAP

California Dept. of Health Services ELAP 1119.

SUBJECT:

ANALYSIS OF ONE BULK SAMPLE(S) FOR LEAD

The sample(s) was/were identified as: DH12/18-02

The sample(s) was/were digested according to EPA Method 3050B and analyzed for lead according to EPA Method 7420.

The results of the analyses and the detection limits are summarized on the following pages, accompanied by the chain of custody.

Respectfully submitted, EMS Laboratories, Inc.

Technical Director

AJK/csl

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

12-20-04

EMS LABORATORIES CHEMISTRY REPORT

LABORATORY NUMBER: 97783

page 2

of 2

ELEMENT

DETECTION LIMIT

(mg)

LEAD

< 0.02

WEIGHT

SAMPLE NAME ELEMENT

(mg)

BLANK

LEAD

< 0.02

METHOD: EPA 7420/3050B

SAMPLE NAME

WEIGHT

CONCENTRATION

ELEMENT (mg)

CLIENT: MACTEC

(percent)

DH12/18-02 LEAD **BULK WEIGHT 2.5152 grams**

< 0.02

< 0.0007

CHEMIST 7

SUBMITTAL	FORM/Laboratory	Services		PAGE	✓ OF
TURNAROUND TIME: \$ <8 HR. WKND		24 HR.	♦RELINQUISHED ♦TIME / DATE		1/acm
♦ CLIENT MAC ♦ ADDRESS	TEC		DATE OF SHIPME CLIENT P.O. NO.	ENT ♦ CAI	RRIER
TELEPHONE 323	3) 809-5378/949 Vamalor N Dm/1	0000 T		12862/04	
RESULTS REQUESTE	D VIA VERBAL If ollow all analyses, in addition to an	FAX y prior transmitted verbal	CLIENT FAX NO	323/721-67	00
DATE/TIME OF SAMP SAMPLE PRESERVAT NO. OF SAMPLES SE	LE COLLECTION TVES NT/ SAI	/ <i>ɔ/ɪ3</i> MPLER'S NAME	HOLDING TIMES	PRINTED	.1 lovnay
TYPE: WATER \(\)\\ \(\)(FOR EMS ONLY)				7.	VOLUME TIME/WEIGHT
EMS Sample No. 97783-2	DH12/18-02		SCRIPTION/LOCATIO	IN/ANALYSIS	AF APPLICABLE
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A Laborator No.	97783				6. 8-
Date of Package Delivery Condition of Package on Receipt (NOTE: If the package has sustain		7 - 20-0G	Condition of Custody Sea	YES NO.	NE NE
No. of Samples Date of Acceptance into Sample	(2.7)	0.09	 ♦ Chain-of-Custody Signate ♦ Misc. The 		
Disposition of Samples	DRATORIES ¹	17 West Bellev	vue Drive / Pasaden	a CA 91105-2503	/ 626-568-4065

DATE:

December 30, 2004

Page 1 of 2

CLIENT:

MACTEC

200 Citadel Drive

Los Angeles, CA 90040

ATTENTION:

Don Harmon

REFERENCE:

BPO18040461

4952-04-2862-02

REPORT NO:

97854.1

DATE OF SAMPLE COLLECTION: by Scott Campbell

DATE RECEIVED:

December 29, 2004

DATE ANALYZED:

December 29, 2004

ACCREDITATION:

American Industrial Hygiene Association (AIHA),

Laboratory ID # 101634 (Full Accreditation)

Environmental Lead NLLAP

California Dept. of Health Services ELAP 1119

SUBJECT:

ANALYSIS OF TWO BULK SAMPLE(S) FOR LEAD

The sample(s) was/ were identified as:

SC-12-22-01, SC-12-22-02

The bulk sample(s) was/ were analyzed for lead by digestion according to EPA method 3050M and analysis by EPA method 7420.

The results of the analyses and the detection limit(s) are summarized on the following page(s), accompanied by the chain of custody.

Respectfully submitted,

EMS Laboratories, Inc.

Technical Director

AJK/vm

Method 3050 requires 1 to 2 grams of sample. The method is being used with paint chips with less than 1 gram sample and is designated 3050M.

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc.

Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

12-29-04

EMS LABORATORIES CHEMISTRY REPORT

page 2

CLIENT: MACTEC

LABORATORY NUMBER: 97854.1

ELEMENT

DETECTION LIMIT

(mg)

LEAD

< 0.007

SAMPLE NAME

WEIGHT

ELEMENT

(mg)

BLANK

LEAD

< 0.007

METHOD: EPA 3050M/7420.

ppm = parts per million

SAMPLE NAME **ELEMENT**

WEIGHT

CONCENTRATION

(mg)

(ppm)

SC-12-22-01 **LEAD**

BULK WEIGHT .7742 grams < 0.007

SC-12-22-02 **LEAD**

BULK WEIGHT .7684 grams

1.15

1500

< 9

CHEMIST

TURNAROUND TIME: <8 HR. WKN		24 HR.			
		ASAP	TIME / DATE		
♦ CLIENT ♦ ADDRESS	MACTEC	· · · · · · · · · · · · · · · · · · ·	♦ DATE OF SHIPME ♦ CLIENT P.O. NO.		AKKIER
MUDRESS		,	DCLIENT P.O. NO DCLIENT JOB/PRO		957204-
TELEPHONE	373 -88	9-5378	V OLILINY 000/1110		0 J
CONTACT	DON HAI		PACKAGE SHIPP	ED FROM	
RESULTS REQUEST	ED VIA VERBAL] FAX	CLIENT FAX NO.	373-77	1-6700
(NOTE: Complete written reports v					
DATE/TIME OF SAM	PLE COLLECTION				
SAMPLE PRESERVA	TIVES		HOLDING TIMES		
NO. OF SAMPLES S	ENT S	SAMPLER'S NAM	ME SIGNATURE	PRINTED	T CAMPB
TYPE: WATER	WASTE WATER []	SOIL FILTER	SORBENT TUBE	☐ IMPINGER □	OTHER _
(FOR EMS ONLY)		· ·	w .		VOLUM
EMS Sample No.	CLIENT SAMPLE N	JO. D	ESCRIPTION/LOCATIO	N/ANALYSIS	TIME/V (IF APP
1001,100		YTH FL - AT	N-0 & 9-10	BULK	
1 3:39 22-1	56-12-22 -01	BATHROOM- C	ERAMIC GREEN	LEAD	
	<u>.</u>				
1 .1 2	56-12-22-02	WALL TILE	M-N-0-9-10-CERAMI	BULIL	į
	3276 26-02	- Wyd CL 7.7CC			
· · · · · · · · · · · · · · · · · · ·	20	ELEVATOR L	BBY- ENTRANCE TO	BULK	
V 1.3	5 (-12-23-03		TOTZ 12 X12 FLOOR		i
		TILE - BLAC	16 - ON LINE I		
W/ 11/ 1.		ELEVATOR L	BBY= AT THE	BULK	
0 4	56-12-22-04	FLOOR TILE	ENTRANCE - 12 x 12 BROWN MASTIC	PLM	i
	7	ON LINE I	BETWEEN 6-7		
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			·		
	15 lines				
Laboratory No	97854		Received By		• Time
Date of Package Delivery	1		• Shipping Bill Retained:	YES N	ONE
Condition of Package on Recei	pt -		Delication of Custody Sec	ıl	
		ustody seal is broken,	stop and contact the project man		
No. of Complete			A Chair of County States		
No. of Samples	Rank			HV.	
Disposition of Samples	Dallk		V ITHISO: HILU		

DATE:

December 30, 2004

Page 1 of 3

CLIENT:

MACTEC

200 Citadel Drive

Los Angeles, CA 90040

ATTENTION:

Don Harmon

REFERENCE:

BPO18040461

4952-04-2862-02

REPORT NO:

97905

DATE OF SAMPLE COLLECTION: Not Provided

DATE RECEIVED:

December 29, 2004

DATE ANALYZED:

December 29, 2004

ACCREDITATION:

American Industrial Hygiene Association (AIHA),

Laboratory ID # 101634 (Full Accreditation)

Environmental Lead NLLAP

California Dept. of Health Services ELAP 1119

SUBJECT:

ANALYSIS OF SEVENTEEN BULK SAMPLE(S) FOR LEAD

The sample(s) was/ were identified as:

L-SC-12-29-03, L-SC-12-29-QL-05 to L-SC-12-29-QL-20

The bulk sample(s) was/ were analyzed for lead by digestion according to EPA method 3050M and analysis by EPA method 7420.

The results of the analyses and the detection limit(s) are summarized on the following page(s), accompanied by the chain of custody.

Respectfully submitted,

EMS Laboratories, Inc.

Technical Director

AJK/vm

Method 3050 requires 1 to 2 grams of sample. The method is being used with paint chips with less than 1 gram sample and is designated 3050M.

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

12-29-04

EMS LABORATORIES CHEMISTRY REPORT

page 2

CLIENT: MACTEC

LABORATORY NUMBER: 97905

ELEMENT

DETECTION LIMIT

(mg)

LEAD

< 0.008

SAMPLE NAME

WEIGHT

ELEMENT

BLANK

(mg)

LEAD

< 0.008

SAMPLES NO SHOULD BE PRECEDED BY L-SC-12-29-.METHOD: EPA 7420/3050M ppm = parts per million

SAMPLE NAME	WEIGHT	CONCENTRATION
ELEMENT	(mg)	(ppm)
03	BULK WEIGHT .1546 grams	
LEAD	0.49	3200
QL-05	BULK WEIGHT .1659 grams	
LEAD	1.54	9300
QL-06	BULK WEIGHT .1991 grams	
LEAD	3.9	19000
QL-07	BULK WEIGHT .4803 grams	
LEAD	2.2	4600
QL-08	BULK WEIGHT .1978 grams	
LEAD	5.5	28000
QL-09	BULK WEIGHT .2654 grams	
LEAD	0.25	950
QL-10	BULK WEIGHT .1578 grams	
LEAD	0.78	4900
QL-11	BULK WEIGHT .1504 grams	
LEAD	7.4	49000
QL-12	BULK WEIGHT .4712 grams	
LEAD	0.038	80
QL-13	BULK WEIGHT .1514 grams	
LEAD	0.59	3900
QL-14	BULK WEIGHT .1622 grams	
LEAD	5.5	34000
QL-15	BULK WEIGHT .1611 grams	
LEAD	13.9	86000
QL-16	BULK WEIGHT .1541 grams	•
LEAD	9.5	62000
QL-17	BULK WEIGHT .175 grams	
LEAD	32	180000
QL-18	BULK WEIGHT .1565 grams	
LEAD	0.37	2400
QL-19	BULK WEIGHT .172 grams	
LEAD	11.9	69000

	-10/
CHEMIST	7.8/

12-29-04

EMS LABORATORIES CHEMISTRY REPORT

LABORATORY NUMBER: 97905

SAMPLE NAME ELEMENT

CLIENT: MACTEC

WEIGHT

CONCENTRATION

(ppm)

page 3

QL-20

BULK WEIGHT .1566 grams

(mg)

LEAD 0

0.39

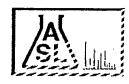
2500

CHEMIST

SUBMITTAL FORM/Laboratory Services	PAGE / OF Z
TURNAROUND TIME: STD 48 HR. 24 HR.	LELNQUEUD BY SCATT CAMPRELL
	TIME / DATE <u>WEDNESDAY 13 - 2 9 ~ 9 Y</u> DATE OF SHIPMENT DEPARTER CLIENT P.O. NO CLIENT JOB/PROJECT ID NO(S). <u>4952-04-2862-03</u>
♦ TELEPHONE 323 - 889 - 5 378 ♦ CONTACT DON HARMAN	—
RESULTS REQUESTED VIA VERBAL FAX (NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted w	
DATE/TIME OF SAMPLE COLLECTION SAMPLE PRESERVATIVES SAMPLER'S NA ↑ TYPE: □ WATER □ WASTE WATER □ SOIL □ FILTE	SIGNATURE PRINTED
(FOR EMS ONLY)	VOLUME, TIME WEIGHT
0-1905- 3 IST FL-D	DESCRIPTION LOCATION ANALYSIS IF APPLICABLE) RIVEWAY INTERIOR LEAD BULIL
	0-7=EAST WALL SAMPLES EAST WALL- BEIGE -6-H
15th FL - WE L-Sc-12-29-06 -06 LINE = 1.2	EST WALL-BEIGE D-E WEST WALL TAN-0-0.8
7 L-5c-12-29-06-07 AT 1,2	ALL TAN- 6-6.5
// -	TH WALL BLUE-
() L-SC-12-29-0 C-10 MORTH EAST	CORNER - 0 - 0.8
L-5c-12-29-9c-11 11-11.8-	TAL CELL WALL BEIGE I-J WER CERAMICTICE WHITE
L-5c-12-29-00-12 5.5-7.5	
ILA IITAFL META	A,Z-B AL STAIRWELL DOOR 8-11-A-A,OS
15 4-56-12-79-06-16 5-6- A	1077- EAST WALLTAN
- 1 10 1-5c-12-29-06-16 14-4.5- A	7-SOUTH WALL GREEN A- A,7 ILING BEIGE- H-I-
6 \\\	TH WALL WHITE -
97905	7///// 1/20
Date of Package Delivery 17-29 € 00	Received By Shipping Bill Retained: YES NONE
Condition of Package on Receipt (NOTE: If the package has sustained substantial damage or the custody seal is broken	✓ Condition of Custody Seal
No. of Samples	◆ Chain-of-Custody Signature
Date of Acceptance into Sample Bank	♦ Misc. Info.
	ellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

SUBMITTAL	FORM/Laborator	y Services		PAGE	2 OF Z
TURNAROUND TIME:	STD 48 HR.	24 HR.	■ RELINQUISHED	BY SCOTT C	AMOBELL
<8 HR. WKND	OTHER:	4 <i>5 A P</i>	TIME / DATE	•	•
♦ CLIENT	MACTER		_ ♦ DATE OF SHIPME	_	RRIER
♦ ADDRESS		·	_ DCLIENT P.O. NO.		
			_ DCLIENT JOB/PRO		<u> 12-04-2862-</u>
▶ TELEPHONE ▶ CONTACT	323-889 DON HA		_ ▶ PACKAGE SHIPPI	HOJ ED EROM	
					4700
♠ RESULTS REQUESTE (NOTE: Complete written reports with the complete writer with the complete written reports with the complete written re		FAX L	♦ CLIENT FAX NO al or fax results.)	323-121	-6100
DATE/TIME OF SAME	PLE COLLECTION				
SAMPLE PRESERVA			HOLDING TIMES		
NO. OF SAMPLES SE	•		SIGNATURE	PRINTED	
♦ TYPE: ☐ WATER ☐	WASTE WATER S	OIL FILTER	☐ SORBENT TUBE	☐ IMPINGER ☐	
(FOR EMS ONLY)	d	- 4			VOLUME. TIME WEIGH
EMS Sample No.	CLIENT SAMPLE NO		SCRIPTION LOCATIO		IF APPLICABL
200 ATARK-19	L-56-12-29-06-19		H WALL BEIGE-	LEAD BULLL SAMPLES	-
14 1 10 11	-	8Th FL- RM 81	5- SOUTH WALL	047771	
20	L-5c-12-29-0c-20	WHITE - 11-	12-14-4		<u></u>
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Laboratory No.	99905		Received By	·	♪ Time
Date of Package Delivery	/ (/		Shipping Bill Remined:	YES NO	ONE
Condition of Package on Recei	ipt	/	Condition of Custody Se	alal	
(NOTE: If the package has sustain	ined substantial damage or the co	ustody seal is broken, s	stop and contact the project man	nager and the shipper.)	^
A No of Comple			Chain-of-Custody Signat	July July	
♦ No. of Samples ◆ Date of Acceptance into Sample	a Rank		Misc. Info		14.
Date of Acceptance into Sample Disposition of Samples	e Bank	مع بينمون د دي د دي	ALL VI	**	
	ORATORIES	117 West Dell	evue Drive / Pásaden	2 CΔ 01105_2502	1 626-568-406

APPENDIX F
LABORATORY RESULTS, PCB, SECTION 4.3



Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc. 200 Citadel Dr.

Los Angeles, CA 90040

Telephone: (323)889-5300 Attn: Rick Hamaken

Page:

6

Project ID:

4952-04-2862/18

Project Name: Hall of Justice

Si	te
Sn	ring

	Spring Street	
--	---------------	--

Job Number	Order Date	Client .
24177	12/20/2004	MACTEC

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

Batch No:

Our Lab I.D.		141121	141122	141123		
Sample ID		SC12/15-18	SC12/13-5	SC12/14-31	7 (1)	2.5.77
Date Sampled		12/15/2004	12/13/2004	12/14/2004		
Date Extracted		12/21/2004	12/21/2004	12/21/2004		
Preparation Method		<u> </u>		ļ		
Date Analyzed		12/21/2004	12/21/2004	12/21/2004		
Matrix		Wipe	Wipe	Wipe	-	
Units		ug/wipe	ug/wipe	ug/wipe		
Detection Limit Multiplier		1	1	1		
Analytes	+, PQL	Results	Results	Results		1.00
Aroclor-1016 (PCB-1016)	990	ND	ND	ND		The second secon
Aroclor-1221 (PCB-1221)	990	ND	ND	ND		
Aroclor-1232 (PCB-1232)	990	ND	ND	ND		
Aroclor-1242 (PCB-1242)	990	ND	ND	ND		
Aroclor-1248 (PCB-1248)	990	ND ·	ND	ND		
Aroclor-1254 (PCB-1254)	990	ND	ND	ND		
Aroclor-1260 (PCB-1260)	990	ND	ND	ND ·		

A SAME AND SAME SAME STATES AND AND AND AND AND AND AND AND AND AND	Commence Service Services	haten in a site	le Tu comme	Des address Character of State	12 m Tr	
Our Lab LD.	1.500 - 1.30 F 7.8	141121	141122	141123		(1) 10 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m
	ALTERNATION OF THE PARTY	24.54.55.55 ·		16.500.00.00	是其中特別的學術	10000000000000000000000000000000000000
Surrogates	Con Limit	% Rec.	% Rec	% Rec	1.7.40ps 2.1.1	
A CONTROL OF THE PARTY OF THE P	Pettodin technical				AT A TAKE OF THE PERSON OF THE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Surrogate Percent Recovery	\$0 (SEE)	自己的意思。	45 7 36 9 9 9	. 1935 年23日 1937 / 19	强力企业	14-12 TO THE
101 名 5	自己是明明 (4) 其中で	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Construction of the Section	1. A. M. M. M. C. S. S. S.	的情况和 然的"生"。全	设施的资本证据 第3月1
Decachlorobiphenyl	43-169	94	84	88		
F	1			* *		i

QUALITY CONTROL REPORT.

Batch No:

Analytes	LCS %REC	LCS DUP -% REC	LCS RPD 	LCS/LCSD % Limit	LCS RPD % Limit	1875			
Aroclor-1260 (PCB-1260)	72	70	2.8	39-150				33,000 103,000	201200000000000000000000000000000000000

APPENDIX G

LABORATORY RESULTS, MERCURY, SECTION 4.4

DATE:

December 22, 2004

Page 1 of 2

CLIENT:

MACTÉC

200 Citadel Dr.

Los Angeles, CA 90040

ATTENTION:

Don Harman

REFERENCE:

PO# BPO18040461 4952042862/06

REPORT NO:

97739.1

DATE OF SAMPLE COLLECTION: 12/13/04

DATE RECEIVED:

December 16, 2004

DATE ANALYZED:

December 16, 2004

ACCREDITATION:

American Industrial Hygiene Association (AIHA).

Laboratory ID #101634 (Full Accreditation)

SUBJECT:

ANALYSIS AS REQUESTED

The sample(s) was/were identified as:

Sample No.

Analysis

Method

SC 12/13-6

Mercury

EPA 7471A

SC 12/13-8

Mercury

EPA 7471A

The results of the analyses and the detection limits are summarized on the following pages, accompanied by the chain of custody.

Respectfully submitted,

EMS LABORATORIES, INC.

A. J. Kolk Jr.

Technical Director

AJK/csl

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc. Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

EMS LABORATORIES CHEMISTRY REPORT

CLIENT:

MACTEC

LABORATORY NO:

97739.1

SAMPLE:

bulk

ANALYTE:

Hg

METHOD:

EPA 7471A

DATE RECEIVED:

12-16-04

DATE ANALYZED:

12-16-04

DETECTION LIMIT:

2.0

(μg/g)

Sample ID

Hg Concentration (μg/g)

SC 12/13-6

<2.0

SC 12/13-8

30.5

Chemist

Lei Wang, Ph.D.

SUBMITTAL FORM/Laboratory Services TURNAROUND TIME: STD 48 HR. 24 HR. 21 RELINQUISHED & Album 48 HR. WKND OTHER: TIME / DATE 12/16/64	
A. A. A. A. A. A. A. A. A. A. A. A. A. A	
♦ CLIENT MACKET DATE OF SHIPMENT • CARRIER	
♦ ADDRESS ♦ CLIENT P.O. NO — ♦ CLIENT JOB/PROJECT ID NO(S)	
↑ TELEPHONE 323 889 5378 495204 2862/06	
Dond/a vman PACKAGE SHIPPED FROM_	
♦ RESULTS REQUESTED VIA VERBAL FAX D ♦ CLIENT FAX NO.	
(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.) DATE/TIME OF SAMPLE COLLECTION	•
SAMPLE PRESERVATIVES HOLDING TIMES	
NO. OF SAMPLES SENT	
TYPE: WATER WASTE WATER SOIL FILTER SORBENT TUBE IMPINGER OTHER	·
(FOR EMS ONLY)	MET - WEIGH
	PLICAB.
97739-6 SCD/13-6 4 Mandy & PLM	
\$ SC12/13-8	
	·
	* *
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15 lines	
Laboratory No 97739. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	75
Condition of Package on Receipt Condition of Custody Seal	$\overline{}$
NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact the project manager and the shipper.)	
No. of Samples 2 + 2 Chain-of-Custody Signature PUM My	
Date of Acceptance into Sample Bank 12-6-0 Misc. Info.	
Disposition of Samples Samples	

DATE:

January 19, 2005

Page 1 of 2

CLIENT:

MACTEC

200 Citadel Dr.

Los Angeles, CA 90040

ATTENTION:

Don Harman

REFERENCE:

PO# BPO18040461

4952-04-2862/06

REPORT NO:

98174

DATE OF SAMPLE COLLECTION: Not provided

DATE RECEIVED:

January 17, 2005

DATE ANALYZED:

January 18, 2005

ACCREDITATION:

American Industrial Hygiene Association (AIHA)

Laboratory ID #101634 (Full Accreditation)

SUBJECT:

ANALYSIS AS REQUESTED

The sample(s) was/were identified as:

Sample No.	Analysis	Method
SC 122003 (EMS 97854)	Mercury	EPA 7471
SC 121507 (EMS 97738)	Mercury	EPA 7471
SC 121515 (EMS 97738)	Mercury	EPA 7471
SC 121421 (EMS 97738)	Mercury	EPA 7471
SC 121444 (EMS 97738)	Mercury	EPA 7471

The results of the analyses and the detection limits are summarized on the following pages, accompanied by the chain of custody.

Respectfully submitted,

EMS LABORATORIES, INC.

Technical Director

AJK/csl

Note: The report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc.

Note: The results of the analysis are based upon the sample submitted to the laboratory. No representation is made regarding the sampling area other than that implied by the analytical results for the immediate vicinity of the samples analyzed as calculated from the data presented with those samples.

Any deviation or exclusion from the test method is noted in this cover letter.

Unless otherwise noted in this cover letter the samples were received properly packaged, clearly identified and intact.

EMS LABORATORIES CHEMISTRY REPORT

CLIENT: Mactec
LABORATORY NO: 98174
ANALYTE: Hg
METHOD: EPA 7471

DATE RECEIVED: 01-17-05 DATE ANALYZED: 01-18-05

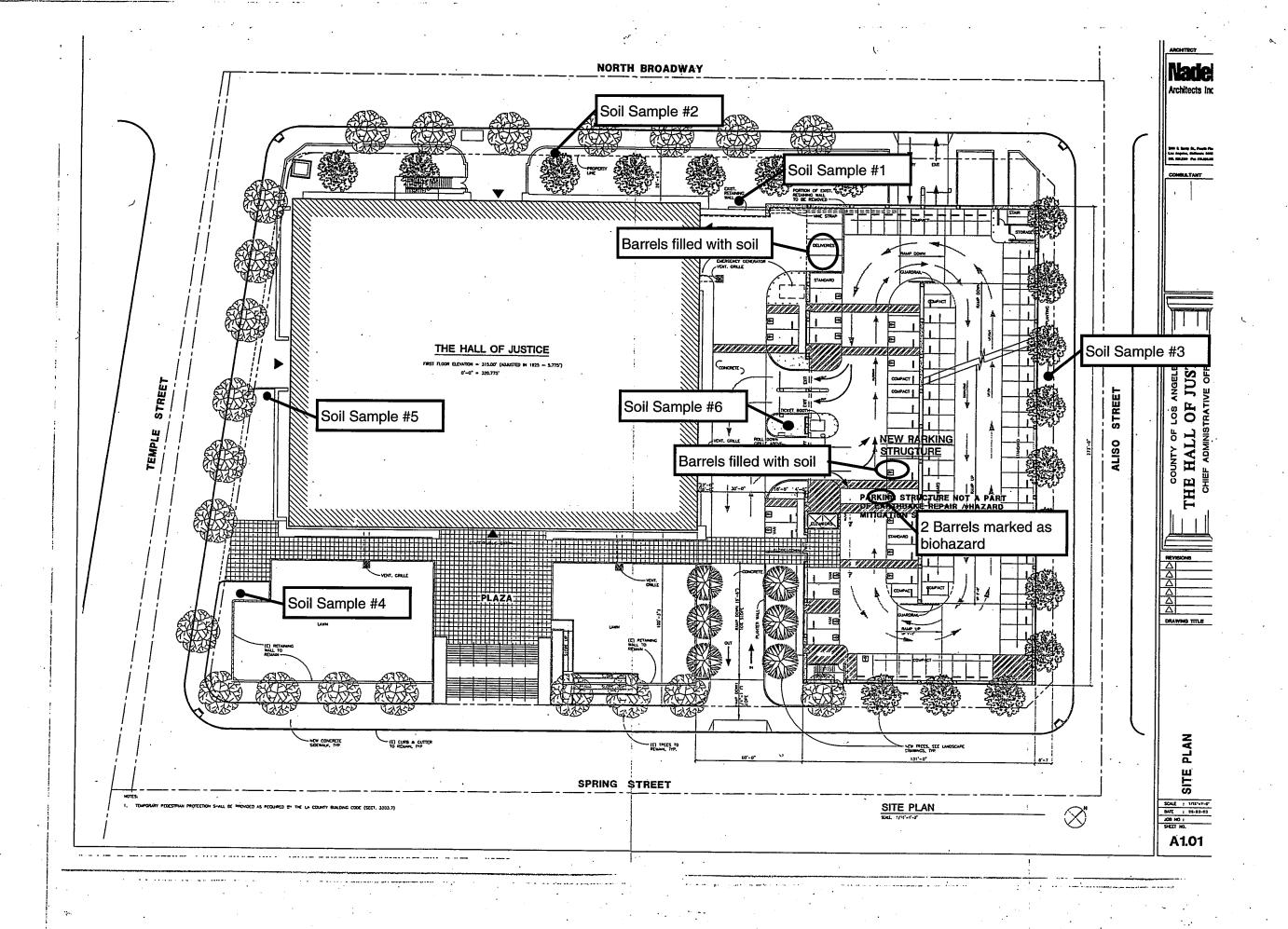
DETECTION LIMIT= 2.0 (ppm)

Sample ID	1	Hg Concentration (ppm)				
	ı	-				
SC122003		<2.0				
SC121507		<2.0				
SC121515		<2.0				
SC121421		<2.0				
SC121444		<2.0				

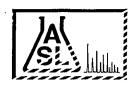
Chemist

SUBMITTAL FORM/Laboratory Services	_# 98174 PAGE OF
TURNAROUND TIME: STD 48 HR. 22/2 4 HR.	SCOTT BY SCOTT COM phell
<8 HR. WKND OTHER: CLIENT MAC 78C	TIME / DATE / CARRIED / CARRIED
ADDRESS	DATE OF SHIPMENT ◆ CARRIER FOLL > C
	◆ CLIENT JOB/PROJEÇT ID NO(S).
♦ TELEPHONE (323)889-5378	4952-04-2862/06
CONTACT Don Harman	PACKAGE SHIPPED FROM
PRESULTS REQUESTED VIA VERBAL FAX (NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verball to the complete written reports will follow all analyses, in addition to any prior transmitted verball to the complete written reports will follow all analyses.	◆ CLIENT FAX NO. (323) 721-6700 roal or fax results.)
DATE/TIME OF SAMPLE COLLECTION	
SAMPLE PRESERVATIVES SAMPLER'S NA	HOLDING TIMES
NO. OF SAMPLES SENT SAMPLER'S NAI	SIGNATURE PRINTED PRINTED PRINTED
	WE'SURDENT TODE DIMPINGER BIOTIER DESCRIPTION
EMS Sample No. CLIENT SAMPLE NO	ESCRIPTION LOCATION ANALYSIS FOR THE STATE OF THE STATE O
001/4	· / / / / / / / / / / / / / / / / / / /
5 SC 121515 (cms 9773	1 1 1 1
1 SC121421 Cons 9773	
G 8c 121744 (5ns 977	1E)
\$6.121368	
5	
0.04.7.4	Received By 2 2 11 10 Time 10 45
1 Laboratory No 98174	
Date of Package Delivery	Shipping Bill Retained. YES NONE NONE
© Condition of Package on Receipt (NOTE: If the puckage has sustained substantial damage or the custody seal is broken, a	Condition of Custody Soal top and contact the project manager and the shipper.)
t No. of Samples	. Chain-of-Custody Signanure
P No. of Samples 1-17-01 P Date of Acceptance into Sample Bank	↑ Miec. Info.
Disposition of Samples FA) UAI	5
IMO ENS LABORATORIES 117 West Bell	evue Drive / Pasadena CA 91105-2503 / 626-568-4065

APPENDIX H
FIGURE WITH EXTERIOR SOIL SAMPLE LOCATIONS



APPENDIX I
LABORATORY RESULTS, SOIL SAMPLES, SECTION 4.10



AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

MACTEC Engineering & Consulting Inc.

200 Citadel Dr.

Los Angeles, CA 90040-

Telephone

(323)889-5300

Attn

Don Harman

Number of Pa	ages 5
Date Receive	ed 10/15/2004
	ed ::10/22/2004
Tare vebore	SU

Job Number	· Ordered	Client
23528	10/15/2004	MACTEC

Project ID:

4952-04-2862/18

Project Name: Hall of Justice

Site:

Spring Street

L.A., CA

Enclosed are the results of analyses on 4 samples analyzed as specified on attached chain of custody.

Wendy Lu

Organics Supervisor

Rojert G. Araghi **Laboratory Director**

American Scientific Laboratories, LLC: (ASL) accepts sample materials from clients for analysis with the assumption that all of the information, provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL; is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.

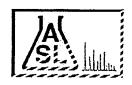
2) ASL is not responsible for any consequences resulting from any inaccuracies, ornissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Page _

Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

C 4 Z 0 ட C ഗ 0 $\mathbf{\alpha}$ Ш C 0 α Remarks Normal Rush TAT ANALYSIS REQUESTED □ EDD ASL JOB# 23528 Time 1,20 Time Date/S-15-04 ¥ 17, Date Jours /m ELECTRONIC REPORT: | EDF Report To: Dan flav ma 7 7 1 Preservation Address: Received For Laboratory Relinquished By: Invoice To: Address: Matrix P.O.#: Project Name: Hall of Justice Container(s) 402 jan Туре Time My Project ID: 72-04-2862 | Sam St なかい Time * Time F Z Date // //4 Z M Site Address: Date SAMPLE DESCRIPTION Date 71/01 Project 11/01 41/01 25675GLOBAL ID. White - Report, Yellow - Laboratory, Pink - Client Sample ID LA CA 90040 (323) 689-5378 HY K # #4 # 200 Goldey MACTEC 323) 721-6700 LabilD 39913 LAB.USE.ONLY. WILLIAM ! Condition of Sample: Special Instruction: Relinquished By: Collected By: // COC# No Company: Telephone: Address:



Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc.* 200 Citadel Dr. Los Angeles, CA 90040Site

Spring Street

Telephone: (323)889-5300 Attn: Don Harman

Page:

Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

Job Number Order Date Client ' 23528 10/15/2004 MACTEC

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 101804-1

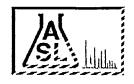
Our Lab I.D.		137711	137712	137713	137714	
Sample ID		# 1	# 2	#3	# 4	
Date Sampled		10/14/2004	10/14/2004	10/14/2004	10/14/2004	
Date Extracted		10/18/2004	10/18/2004	10/18/2004	10/18/2004	
Preparation Method						
Date Analyzed		10/18/2004	10/18/2004	10/18/2004	10/18/2004	
Matrix		. Soil	Soil	Soil	Soil	
Units		mg/kg	mg/kg	mg/kg	mg/kg	
Detection Limit Multiplier		1 .	1 .	1	1	1
Analytes	"PQL/A	Results	Results	Results	Results	
TPH DRO (C13-C22)	10	ND	ND	ND	ND	<u> </u>
TPH ORO (C22+)	50	ND	ND	ND	ND	

Our Lab I.D.	W. J. March	137711	137712	137713	137714	
	Con.Limit	% Rec	% Rec:	% Rec.	% Rec.	
Surrogate Percent Recovery					# Park	
Chlorobenzene .	70-120	77	84	78	78	

QUALITY CONTROL REPORT

Batch No: 101804-1

Analytes	MS & REC	MS DUP		MS/MSD	MS RPD % Limit			
Diesel	110	101	8.5	75-120	15		 	10.00 - 71.01 <u>. 1 - 1</u>



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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc 200 Citadel Dr.

Los Angeles, CA 90040-

Site

Spring Street L.A., CA

Telephone: (323)889-5300 Attn: Don Harman

Page:

3

Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

23528

Job Number

Clic 10/15/2004 MAC

Client /**
MACTEC

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 101804-1

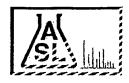
Qur Lab I.D.		137711	: 137712	137713	. 137714	
Sample ID		# 1	#2	#3	#4	<u></u>
Date Sampled		10/14/2004	10/14/2004	10/14/2004	10/14/2004	
Date Extracted		10/18/2004	10/18/2004	10/18/2004	10/18/2004	
Preparation Method						
Date Analyzed		10/18/2004	10/18/2004	10/18/2004	10/18/2004	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/kg	mg/kg	mg/kg	mg/kg	
Detection Limit Multiplier		1	1	1	1	
Analytes	PQL :: "	Results	Results	Results	Results	
TPH as Gasoline (C4-C12)	0.5	ND	ND	ND	ND	24. 25. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

		•		,		
Our Lab I.D.	iziteta e	, 137711	137712	137713	137714	
Surrogates	Con.Limit	% Rec:	% Rec.	% Rec.	% Rec	
Surrogate Percent Recovery	and the second second		** 7. * 2. * *			1,27,372
Bromofluorobenzene	70-120	111	109	107	115	

QUALITY CONTROL REPORT

Batch No: 101804-1

Analytes	.⊹⊹MS ∵% REC	MS DUP % REC	RPD;	MS/MSD % Limit	″MS RPD ∞ % Limit			1 a 1	
Benzene	108	100	7.7	75-125	15		- 1		
Toluene (Methyl benzene)	105	99	5.9	75-125	15				



Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc. 200 Citadel Dr. Los Angeles, CA 90040Site

Spring Street L.A., GA

Telephone: (323)889-5300 Attn: Don Harman

Page:

4

Project ID: Project Name: 4952-04-2862/18 Hall of Justice Job Number | Order Date | 23528 | 10/15/2004

Client MACTEC

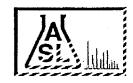
Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Batch No:

Our Lab I.D.		© 137711	137712	137713	137714	
Sample ID	and the second second	#1	# 2	#3	#4	228 23622
Date Sampled		10/14/2004	10/14/2004	10/14/2004	10/14/2004	
Date Extracted		10/19/2004	10/19/2004	10/19/2004	10/19/2004	
Preparation Method						
Date Analyzed		10/19/2004	10/19/2004	10/19/2004	10/19/2004	
Matrix	-	Soil	Soil	Soil	Soil	
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Detection Limit Multiplier		1	1	1	1	
Analytes AA Metals	PQL	Results	Results	Results	Results	
AA Metals		The Later State	ar all	W.745744		474733
Mercury	0.20	ND	ND	ND	ND	
ICP Metals		. Amaria		A William		
Antimony	0.50	ND	ND	ND	0.60	
Arsenic	0.25	2.71	20.7	4.05	ND	
Barium	0.50	178	137	157	170	
Beryllium	0.50	ND	ND	ND	ND	
Cadmium	0.50	ND	0.80	ND	ND	
Chromium	0.50	26.4	13.3	27.0	5.75	
Cobalt	0.50	10.2	10.0	10.8	13.4	
Copper	0.50	31.3	26.8	30.9	20.4	
Lead	0.25	20.5	94.9	27.5	13.4	
Molybdenum	0.50	1.46	, ND	1.11	ND	
Nickel	0.50	31.3	15.8	32.7	9.78	
Selenium ·	0.50	ND	ND	ND	ND	
Silver	0.50	ND	ND	ND	ND	
Thallium	0.50	ND	ND	ND	ND	·
Vanadium	0.50	43.8	35.0	44.4	45.7	
Zinc	0.50	84.5	86.5	83.4	166	

QUALITY CONTROL REPORT

Batch No:



Environmental Testing Services

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ANALYTICAL RESULTS

Page:

5

Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

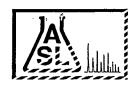
Job Number	Order Date 🗄	Client,
23528	10/15/2004	MACTEC

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Batch No:

Daten No.										
Analytes AA Metals	LCS % REC	LCS/LCSD % Limit								13.00 m
AA Metals	1. 4. 4.8	, 4. · · · · · · · · · · · · · · · · · ·			75 A.A.	7 7 7 7		wight, it	14. C	, in 12 have:
Mercury	92	80-120								
ICP Metals	4.5	经增产		34.虚杂。	E [2.17]	建設型	AME C			
Antimony	87	80-120								
Arsenic	98	80-120						·		
Barium	96	80-120								
Beryllium	96	80-120								
Cadmium	98	80-120								
Chromium	95	80-120						-		
Cobalt	98	80-120								
Copper	97	80-120								
Lead	95	80-120				:				
Molybdenum	92	80-120					,			
Nickel	98	80-120								
Selenium	100	80-120								
Silver	99	80-120								
Thallium	100	80-120			·					
Vanadium	92	80-120	•		•					
Zinc	102	80-120								



AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

MACTEC Engineering & Consulting 200 Citadel Dr. Los Angeles CA 90040

Telephone

(323)889-5300

Attn

Don Harman

Number of Pages 5 Date Received. 12/09/2004 Date Reported 12/10/2004

* Job Number	∰Ordered & ₹	*Client
24065	12/09/2004	MACTEC

Project ID:

4952-04-2862/18

Project Name: Hall of Justice

Site:

Spring Street

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Wendy Lu **Organics Supervisor**

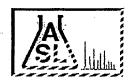
Rojert G. Araghi **Laboratory Director**

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Page / Of /

Environmental Testing Services 2520 N. San Fernando Road, LA, CA 90065 Tel. (323) 223-9700 • Fax: (323) 223-9500

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A ANALYSIS REQUESTED																Time	Time/4/15		
A ANALYSIS	Par	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	1/2/			14	1727									Date	Date [2-7.04]		
EPORT: □ EDF	ACT COMOIN	8	75%	585	1/8/83/]-	Preservation	X X X	-								1/10/20		
ELECTRONIC REPORT: EDF	ı	Invoice To:	Address:		P.O.#:		Matrix Preser	Soil Golon	·							Relinquished By:	Received For Laboratory		
	whe			2862/18	nan	Container(s)	# Type	1 JAR			•					Time 00	Time / 418		
	Project Mame; of A	Site Address: S+	1	Project ID: 452-04-2862	t Don Harman	PTION	Date Time	04 930					 -	1		Datel 2 [5 [Dy	Date /2 - 9		
SOCIOBAL ID		Site A		Projec	Project Manager:	SAMPLE DESCRIPTION	Sample ID Da	#5@6" 128 04							,	16EW	lam.		Pink - Client
14	Patrolo De	cheap di	8. 323 889 -5378 323 721-6200	nstruction: The Vewile		E ONLY	Sam									Collected By: MIKE EAGEN	JY W	Sample:	Yellow - Laboratory, Pi
Company: N	Address: A	9	Telephone: 32. Fax: 323	Special Instruction:	٠	L LABUSE ONLY	E Lab	hoh								Collected By:	Relinquished By:	= 1	White - Report, Y



Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

Site

MACTEC Engineering	ng & Consulting	Inc.
200 Citadel Dr		
Los Angeles, CA 900)40-	

Spring Street			
Shime Succe.		To the second second	在自己的人工作的一种。
		1. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	
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가능하다 마루트 나를 하다			和《数据》以外表示

Telephone: (323)889-5300 Attn: Don Harman

Page:

Project ID: 4952-04-2862/18 Project Name: Hall of Justice

Job Number	Order Date	Client
24065	12/09/2004	MACTEC

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

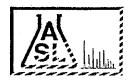
Batch No:

Our Lab I.D.		140408,	Warte St.			gan sifik
Sample ID		#5 @ 6"				
Date Sampled		12/08/2004				
Date Extracted		12/10/2004				
Preparation Method						
Date Analyzed		12/10/2004				
Matrix		Soil	, , , , , , , ,			
Units		mg/Kg		,		
Detection Limit Multiplier		1				
	(PQL * *.	Results	#14 A		A deligation	10 1000
Analytes + AA Metals	(前)型分析。					
Mercury ,	0.20	ND	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE ST AND A	1 1 2-74 . A7 11 1 2-2-74 . 3 1 1	3 # 3 # 3 E 5 # 5 # 5 # 5 # 5 # 5 # 5 # 5 # 5 # 5
ICP Metals	White the		7 %/ 472.4			
Antimony	0.50	1.17				
Arsenic	0.25	15.6				
Barium	0.50	161				
Beryllium	0.50	ND				
Cadmium	0.50	2.03				
Chromium	0.50	26.3				
Cobalt	0.50	6.30				
Copper	0.50	53.5				
Lead	0.25	320				
Molybdenum	0.50	0.99				
Nickel	0.50	21.2				
Selenium	0.50	ND				
Silver	0.50	, ND		-		
Thallium	0.50	ND				
Vanadium	0.50	28.7	•			
Zinc	0.50	340				

QUALITY CONTROL REPORT

Batch No:

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Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Page:

Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

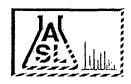
∕ Job Number+	Order Date	Client 7)
24065	12/09/2004	MACTEC

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Batch No:

Batth No:								
Analytes	LCS % REC	LCS/LCSD						
AA Metals	44.5.3	Mary.	19. 34. 1.			1. 1. 1. 1.		No.
Mercury	107	80-120	[.					
ICP Metals		1.12						A. \$1.78.7
Antimony	87	80-120						
Arsenic	92	80-120		l				
Barium	88	80-120						
Beryllium	93	80-120						
Cadmium	89	80-120						
Chromium	87	80-120						
Cobalt	91	80-120						
Copper	88	80-120						
Lead	85	80-120					-	
Molybdenum	86	80-120						
Nickel	95	80-120						
Selenium	91	80-120					v	
Silver	90	80-120						
Thallium	81	80-120						
Vanadium	89	80-120						
Zinc	92	80-120						



Environmental Testing Services

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ANALYTICAL RESULTS

Ord	ere	ed :	Ву
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MACTEC Engineering & Consulting Inc 200 Citadel Dr. Los Angeles, CA 90040

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Spring Street	of real affaire.	747 A 8	
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Telephone: (323)889-5300 Attn: Don Harman

Page:

Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

Job: Number	Order Date	Client
24065	12/09/2004	MACTEC

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 121004-1

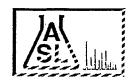
Our Lab	ID:		140408			
Sample I			#5 @ 6"		1	
Date San	pled		12/08/2004	 "		
Date Ext	racted		12/10/2004			
Preparati	on Method	1 .		 		
Date Ana	llyzed		12/10/2004	 		
Matrix			Soil			
Units			mg/kg			
Detection	Limit Multiplier		1	 		
Analyt	es	PQL	Results	441. P.F.		7,8 51 7 25 3
	(C13-C22)	10	ND		4.050.60 \$ 00000	***** * ******************************
TPH ORO	(C22+)	50	ND			

Our Lab I:D.		÷140408	"是",多数特		7 9 75 43.4	4.47.2.44
Surrogates 4	Con.Limit	% Rec.	A.F. (基本)			Islant reduce
Surrogate Percent Recovery				NEW YEAR		17 10 M 15
Chlorobenzene	70-120	99				

QUALITY CONTROL REPORT

Batch No: 121004-1

5	Analytes	MS REC	MS DUR % REC *	RPD:	MS/MSD	MS RPD.			
	Diesel	104	111	6.5	75-120	15			



Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc

200 Citadel Dr. Los Angeles, CA 90040

Site

Spring Stre	et .	A GARAGE	3.49 V. 45 2
有事制的			
4.343			

Telephone: (323)889-5300 Attn: Don Harman

Page:

Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

Job Number	Order Date	Client
24065	12/09/2004	MACTEC

Method: 8015M/DHSLUFT, TPH as Gasoline

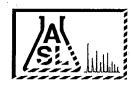
Batch No: 121004-1

Our Lab I.D.	134 3	140408	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
Sample ID		#5 @ 6"			
Date Sampled		12/08/2004		 	
Date Extracted		12/10/2004			
Preparation Method			'		
Date Analyzed		12/10/2004		•	
Matrix		Soil			
Units		mg/kg			
Detection Limit Multiplier		1			
Analytes	PQL	Results		No. 2 Ning	
TPH as Gasoline (C4-C12)	0.5	ND		<u>La, di kabang papati}},,,,,,,,</u>	

Our Lab I.D. A Const.	34 Fra.	140408	MANUEL A	Contraction.		· A.F.S.
Surrogates	Con.Limit	%-Rec	**************************************	- 447 A. W	N. 49, 75 T	, 4 V 4 1 A
Surrogate Percent Recovery		学的文质学	(2) B. F.	电视型操作	\$165 AT 7	17 4 71 (4)
Bromofluorobenzene	70-120	96				

QUALITY CONTROL REPORT

Analytes	MS % REC	MS DUP % REC	.‡RPD _{ii} i %	MS/MSD	MŞ RPD. % Limit			
Benzene	85	84	1.2	75-125	15			A
Toluene (Methyl benzene)	94	93	1.1	75-125	15			



AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

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Ordered By

MACTEC Engineering & Consulting 200:Citadel Dr: Los Angeles CA 90040

Telephone

(323)889-5300

Attn

Rick Hamaken

Number o	f Pages 6-2		HART SOUTH THE
THE COURSE OF	THE SHARE SE	The State of the S	the Sales of the
Date Rec	eived 12	/20/2004	
CONTRACTOR OF THE STATE OF			ALCOHOLOGICA CONTRACTOR
Date Rep	orted 12	/22/2004	
Andrew Control	机碱性糖酶 蒙古人的	企业工程的第一条 证	The second second

Job Nümber	Ordered	Client
24177	12/20/2004	MACTEC

Project ID:

4952-04-2862/18

Project Name: Hall of Justice

Site:

Spring Street

Enclosed are the results of analyses on 4 samples analyzed as specified on attached chain of custody.

Wendy Lu **Organics Supervisor**

Rojert G. Araghi **Laboratory Director**

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Page __

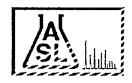
Environmental Testing Services

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C I 4 Z 0 止 C S 0 α C 0 ш Remarks ☐ Normal ABKVSh 48KV. TAT REQUESTED □ EDD ASL JOB# 24177 Time / 1643 ANALYSJS Date (12/20/04 Date B 25 FHOL LINE THE SION ELECTRONIC REPORT:

EDF 7 Report To: Rock Hama (cor 1 Preservation Time 1,25 pFor Laboratory 10 Relinquished By: Invoice To: Wipe Address: Matrix P.O.#: Container(s) Time 8000 Type Project ID: 4452 -44-2862 / 18 /ar 501 1 /201 \ 2 Manager: Don Havman * 0800 Time Date (2/14 ſ Site Address: Spr mg Date , Project Name: SAMPLE DESCRIPTION 40/21/21 12/15/04 13/08 Date Project 25680 GLOBAL ID. 5012/15-18 5012/14-51 00006 5012/13-5 Sample ID # 60 6 Eagen Relinquished By: Maka Telephone: (3 2 3) 884 - 5378 (223) 721 -6760 Address: M Acter Collected By: M; C 141123 CO1151 Condition of Sample: tax results to LAB USE ONLY Lab ID Special Instruction: COC# No Company:

White - Report, Yellow - Laboratory, Pink - Client



Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc 200 Citadel Dr. Los Angeles, CA 90040

Site

Spring Street	
Property.	

Telephone: (323)889-5300 Attn: Rick Hamaken

Page:

4

Project ID: Project Name: 4952-04-2862/18 Hall of Justice

Job Number Order Date Client 48 24177 12/20/2004 MACTEC

Method: 8015M/DHSLUFT, TPH DRO AND ORO

Batch No: 122104-1

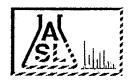
Our Lab I.D.	A Commence of the second of th	141120			
Sample ID		#6@6"	717	2	 N. A.S. a. S. L. a. S
Date Sampled		12/14/2004			
Date Extracted		12/21/2004			
Preparation Method					
Date Analyzed		12/21/2004			
Matrix		Soil			
Units		mg/kg	-		
Detection Limit Multiplier		1			
Analytes	PQL	Results		Words.	
TPH DRO (C13-C22)	10	ND			Print Prin
TPH ORO (C22+)	50	ND			

Our Lab I.D.		/_141120 * _	建筑优 化		
Surrogates	Con.Limit	% Rec.			
Surrogate Percent Recovery	THE PERSON		Andria Pak		
Chlorobenzene	70-120	118			

QUALITY CONTROL REPORT

Batch No: 122104-1

Analytes	Fa. 32 14 . 15 32	% REC		MS/MSD:	MS RPD		10.00	
Diesel	103	103	<1	75-120	15			



Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc.
200 Citadel Dr.
Los Angeles, CA 90040

Site

Spring Street		143		
			100	
	1. 18			44

Telephone: (323)889-5300 Attn: Rick Hamaken

Page:

5

Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

Job Number	Order Date	Client
24177	12/20/2004	MACTEC

Method: 8015M/DHSLUFT, TPH as Gasoline

Batch No: 122104-1

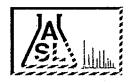
Our Lab I.D.		. 141120		10 M 10 T		
Sample ID	And a second	#6@6"				22.11.22.22.22.22.22.22.22.22.22.22.22.2
Date Sampled		12/14/2004				
Date Extracted		12/21/2004				
Preparation Method						
Date Analyzed	-	12/21/2004				
Matrix		Soil				
Units		mg/kg				
Detection Limit Multiplier		1			,	
Analytes	PQL (Results	yi. 44. 3			14 - 23 - 24 - 24
TPH as Gasoline (C4-C12)	0.5	ND	The state of the s		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CALCON ALLONS DO

Our Lab I.D.		141120,7	in artical			
Surrogates	Con Limit	% Rec.		推翻流流	J. M. Jan	1271/15/17
Surrogate Percent Recovery		f which		ver held.	以 或 或 数 数 数 数 数 数 数 数 数 数 数 数 数	(1)
Bromofluorobenzene	70-120	91				

QUALITY CONTROL REPORT

Batch No: 122104-1

Analytes	MS ;; .% REC	MS DUP % REC	7. RPD.≱ 1%	MS/MSD % Limit	MS RPD % Limit			
Benzene	90	88	2.2	75-125	15			
Toluene (Methyl benzene)	99	97	2.0	75-125	15	*.0		



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ANALYTICAL RESULTS

Ordered By

Site

MACTEC En	gineering &	c Consult	ing Inc	
200 0024-17	生物學用亞德	17 1 1 CH 18	\$\$\$\$ (17 Ye C. 27)	"在外的公司"和第
Los Angeles,	CA 90040-			

Spring Str	eet	A SEPTIME	14.
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	"特别"。		10
		600年1年2月	.∳x

Telephone: (323)889-5300 Attn: Rick Hamaken

Page:

Project ID: 4952-04-2862/18
Project Name: Hall of Justice

2

Job Number Order Date Client 24177 12/20/2004 MACTEC

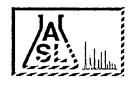
Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Batch No:

Our Lab I.D.		204 B	141120	Adj. N. P.	· 唯一是		
Sample ID	•		#6@6"				
Date Sampled		., .	12/14/2004				
Date Extracted			12/22/2004		"		
Preparation Method							
Date Analyzed			12/22/2004				
Matrix			Soil		,		
Units			mg/Kg				
Detection Limit Multip	lier	,	1				·
Analytes : Analytes	distriction and depart George George	PQL	Results				
AA Metals	Constitution with the control of the	经验	(- 140) - T	对种种的类		AND THE	PARTICIPATE TO
Mercury		0.20	ND				
ICP Metals キャップラ	公司的工程的 工程的工程的工程。			《京文学》			"原子"
Antimony		0.50	0.55			•	
Arsenic		0.25	0.94			,•	
Barium		0.50	170				
Beryllium	•	0.50	ND				•
Cadmium .		0.50	0.54				
Chromium		0.50	16.7				
Cobalt		0.50	11.5				
Copper		0.50	24.4				
Lead		0.25	66.7				
Molybdenum		0.50	0.86				
Nickel		0.50	23.1				
Selenium		0.50	ND				
Silver		0.50	ND				
Thallium		0.50	ND				
Vanadium		0.50	39.9				
Zinc		0.50	121				

QUALITY CONTROL REPORT

The state of the s	The state of the second section is the second section of the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the second section in the second section in the second section is the section in the second section is the second section in the section is the second section in the section is the section in the section is the section in the section is the section in the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section in the section is the section	with the state of	the control of the control of the second of
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Analytes	GLOSE SERVICE OF RECEIVED IN THE PROPERTY OF T	中央 (1956年) 1956年11日 - 1957年 - 1958年 - 1958年 - 1958年 - 1958年 - 1958年 - 1958年 - 1958年 - 1958年 - 1958年 - 1958年 -	时代。T. 野生医学的特殊的特殊的特殊的特殊的特殊的特殊的
14.00 · 15.00			
Analytes	% REC4, 1% Limit		



Environmental Testing Services

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ANALYTICAL RESULTS

Page:

Project ID: Project Name:

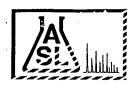
4952-04-2862/18 Hall of Justice

Job Number	Order Date	Client
24177	12/20/2004	MACTEC

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

	Daten No.									
	Analytes AA Metals	LCS:	LCS/LCSD							
	AA Metals		27.16		424		310.34	with at in	100 m	(4) (4)
	Mercury	94	80-120			 				and the same of th
	ICP Metals		4622	表為行動。		 1.2	1.00	140.72		
	Antimony	98	80-120							
	Arsenic	102	80-120						_	
	Barium	104	80-120	i					,	
	Beryllium	111	80-120							
	Cadmium	100	80-120							,
	Chromium	103	80-120							
_	Cobalt	102	80-120							
_	Copper	104	80-120							
	Lead	96	80-120							
_	Molybdenum	98	80-120							
_	Nickel	103	80-120							
	Selenium	101	80-120							
	Silver	116	80-120							
	Thallium	94	80-120					:		
	Vanadium	99	80-120							
	Zinc	111	80-120							



AMERICAN SCIENTIFIC LABORATORIES, LLC Environmental Testing Services

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Ordered By

MACTEC Engineering & Cons 200 Citadel Dr. Los Angeles, CA 90040

Telephone

(323)889-5300

Attn

Don Harman

Number of Pages 8	5 I
	\$
Date Received 12/09/2004 17	1
Number of Pages 8 Date Received, 12/09/2004 Date Reported 12/10/2004	131
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Job Number Nordered :: Client: 24064 12/09/2004 MACTEC

Project ID:

4952-04-2862/18

Project Name: Hall of Justice

Site:

Spring Street

Enclosed are the results of analyses on 5 samples analyzed as specified on attached chain of custody.

Wendy Lu **Organics Supervisor**

Rojert G. Araghi **Laboratory Director**

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Road, L4, C4 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

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25678 GLOBAL ID.

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AMERICAN SCIENTIFIC LABORATORIES, LLC

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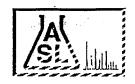
Environmental Testing Services

2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

C I 4 Z 0 ш O S 0 $\mathbf{\alpha}$ C 0 ш Remarks □ Normal ONSTAND TAT ANALYSIS REQUESTED □ EDD ASL JOB# 24064 Date 12-9-09 Time 1415 V Time Date ELECTRONIC REPORT:

EDF X REDGE HARMOND SAKK Preservation Polon Received For Laboratory Relinquished By: Invoice To: Address: SIL Address: Matrix P.O.#: Container(s) 90 は円 Type Time /4/15 Project 1D: 4-2862 Project Name: JUSTICK ** 850 ST-8 1815-1 310 900 32 205 Time 915 Date/2 , SAMPLE DESCRIPTION Date Project 25679 GLOBAL ID. ナ BWAPEL, Sample ID Addiess N Ctrods Telephone: 323 689 5378 Fax: 323 7216760 LabilD to LAB USE ONLY Condition of Sample: CONTRACTOR to sent to Relinquished By: Special Instruction: COC# No Collected By:

White - Report, Yellow - Laboratory, Pink - Client



Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc.
200 Citadel Dr.
Los Angeles, CA-90040-1

Site



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Page:

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Project ID:

4952-04-2862/18

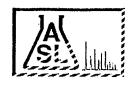
Project Name:

Hall of Justice

Job Number	Order Date	··· Client
24064	12/09/2004	MACTEC

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Our Lab I.D.		140403	. 140404,	· 140405	140406	140407
Sample ID		Barrel	Barrel	Barrel	Barrel	Barrel
		#(1,2,3)	#(4,5,6)	#(7,8,9,10)	#(11,12,13,14	#(15,16,17)
Date Sampled		12/08/2004	12/08/2004	12/08/2004	12/08/2004	12/08/2004
Date Extracted		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Preparation Method						
Date Analyzed		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	PQL	Results	Results	Results'	Results	Results.
AA Metals			in with the	4.21km	119 1194	
Mercury	0.20	ND	ND	ND .	ND	ND
ICP Metals		A: 41. m.				34. 武建海滨
Antimony	0.50	0.61	0.65	ND	ND	0.69
Arsenic	0.25	4.37	2.48	3.99	1.54 /	5.15
Barium	0.50	114	148	122	124	107
Beryllium	0.50	ND	ND	ND	ND	ND
Cadmium	0.50	0.56	ND	0.61	ND	1.40
Chromium	0.50	19.8	20.5	18.8	15.9	22.1
Cobalt	0.50	9.78	10.6	9.06	6.34	9.18
Copper	0.50	27.8	23.6	25.4	20.6	31.1
Lead	0.25	2.68	2.01	2.00	5.54	9.71
Molybdenum	0.50	2.52	0.63	2.57	0.70	4.68
Nickel	0.50	25.8	22.4	26.2	20.6	34.8
Selenium	0.50	ND	ND	1.80	· ND	0.64
Silver	0.50	ND	ND	ND	ND	ND
Thallium	0.50	ND	ND	ND	ND	ND
Vanadium	0.50	37.5	38.8	36.7	33.0	41.4
Zinc	0.50	62.8	57.0	61.6	60.3	69.9



Environmental Testing Services

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ANALYTICAL RESULTS

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Project ID:

4952-04-2862/18

Project Name:

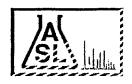
Hall of Justice

Job Number	Order Date	. Client
24064	12/09/2004	MACTEC

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Batth No:										
Analytes AA Metals	∴LCS : % REC	LCS/LCSC								
AA Metals	715.W		W. 1980	£	16.78	3		4.50	in the same	FORWARD.
Intercury	1 -07	80-120			Pr. N				races territoria	ALL THE MANAGE.
ICP Metals	70	* 37. 74	Sta 1			P 1			A . 77.44	在特別數
Antimony	87	80-120				· · · · · · · · · · · · · · · · · · ·	,,		<u>*</u>	3 3 3 3 4 5 7 7 7 7
Arsenic	92	80-120						-		
Barium	88	80-120								
Beryllium	93	80-120								
Cadmium	89	80-120								
Chromium	87	80-120								
Cobalt	91	80-120								
Copper	88	80-120							7	
Lead	85	80-120								
Molybdenum	86	80-120								
Nickel	95	80-120								
Selenium	91	80-120								· .
Silver	90	80-120					1			
Thallium	81	80-120							-	
Vanadium	89	80-120					<u> </u>	,		
Zinc	92	80-120								



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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc 200 Citadel Dr. Los Angeles, CA 90040-

Site

Spring Street

Telephone: (323)889-5300 Attn: Don Harman

Page:

Project ID: Project Name: 4952-04-2862/18

Hall of Justice

Job Number Order Date Client 24064 12/09/2004 MACTEC

Method: 8015M/DHSLUFT, TPH DRO AND ORO

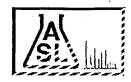
Batch No: 121004-1

Our Lab I.D.		- 140403	140404	140405	140406	4 140407
Sample ID		Barrel	Barrel	Barrel	Barrel	Barrel
		#(1,2,3)	#(4,5,6)	#(7,8,9,10)	#(11,12,13,14	#(15,16,17)
Date Sampled		12/08/2004	12/08/2004	12/08/2004	12/08/2004	12/08/2004
Date Extracted		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Preparation Method		· •				
Date Analyzed		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	Ç PQL	Results	Results	Results	Results.	Results
TPH DRO (C13-C22)	10	ND	ND	ND	. ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

		140403		140405	140406	140407
Surrogates	Con Limit	%'Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery	A CHARLE	Pant		1 CA		物为对种
Chlorobenzene	70-120	89	90	88	119	120

QUALITY CONTROL REPORT

Analytes : 1			RPD %	MS/MSD % Limit ?	MS RPD % Limit *			
Diesel	104	111	6.5	75-120	15			



Environmental Testing Services

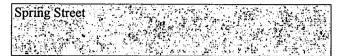
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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc 200 Citadel Dr. Los Angeles, CA 90040-

Site



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Project ID:

4952-04-2862/18

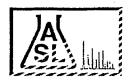
Project Name:

Hall of Justice

Job Number	ຼ Order Date	. Client
24064	12/09/2004	MACTEC

Method: 8260B, Volatile Organic Compounds

Our Lab I:D.	的"那" 。	∵∗140403 😤	140404	140405	140406	140407
Sample ID		Barrel	Barrel	Barrel	Barrel	Barrel
	1	#(1,2,3)	#(4,5,6)	#(7,8,9,10)	#(11,12,13,14	#(15,16,17)
Date Sampled		12/08/2004	12/08/2004	12/08/2004	12/08/2004	12/08/2004
Date Extracted		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Preparation Method						
Date Analyzed		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	'PQL'	Results	Results	Results	Results	Results
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	ND
Bromobenzene (Phenyl bromide)	10.00	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.00	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.00	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.00	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.00	ND	ND	ND	. ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.00	ND	ND	ND	ND	ND
n-Butylbenzene	10.00	ND	ND	ND	ND	ND
sec-Butylbenzene	10.00	ND	ND	ND	ND	ND
tert-Butylbenzene	10.00	ND	ND	ND	ND	ND
Carbon disulfide	10.00	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.00	ND	ND	ND	ND	ND
Chlorobenzene	10.00	ND	ND	ND	ND	ND
Chloroethane	30.00	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.00	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.00	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.00	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.00	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.00	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.00	ND	ND	ND	ND	· ND
Dibromochloromethane	10.00	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.00	ND	ND	ND	ND	ND
Dibromomethane	10.00	ND	ND	ND	. ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.00	ND	ND	ND	ND	ND



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ANALYTICAL RESULTS

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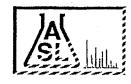
Project ID: Project Name: 4952-04-2862/18

Hall of Justice

Job Number	Order Date	Client ::
24064	12/09/2004	MACTEC

Method: 8260B, Volatile Organic Compounds

Our Lab I.D.	4.6 多数		,			140407
Sample ID		Barrel	Barrel	Barrel	Barrel	Barrel
		#(1,2,3)	#(4,5,6)	#(7,8,9,10)	#(11,12,13,14	#(15,16,17)
Date Sampled		12/08/2004	12/08/2004	12/08/2004	12/08/2004	12/08/2004
Analytes	PQL	Results	Results.	Results	Results	Results
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.00	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.00	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.00	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.00	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.00	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.00	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.00	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.00	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.00	ND	ND	ND ·	ND	ND
1,3-Dichloropropane	10.00	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.00	ND	ND	ND	, ND	ND
1,1-Dichloropropene	10.00	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.00	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.00	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.00	ND	ND	ND	ND	ND .
2-Hexanone	50.00	ND	ND	ND	ND	ND
Isopropylbenzene	10.00	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.00	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ИD	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.00	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.00	ND	ND	ND	ND	ND
Naphthalene	10.00	ND	ND	ND	ND ·	ND
n-Propylbenzene	10.00	ND	ND	ND	ND	ND
Styrene	10.00	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.00	ND	ND	ИD	ND	ND
1,1,2,2-Tetrachloroethane	10.00	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.00	ND	ND	ND	, ND	ND
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	10.00	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.00	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.00	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.00	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.00	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.00	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.00	ND	ND	ND	, ND	ND
1,2,4-Trimethylbenzene	10.00	ND	ND	ND	ИĎ	ND
1,3,5-Trimethylbenzene	10.00	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.00	ND	ND	ND	ND	ND



Environmental Testing Services

2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

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Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

, Job Number	Order Date	···Client
24064	12/09/2004	MACTEC

Method: 8260B, Volatile Organic Compounds

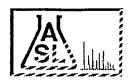
Batch No: 121004-1C

Our Lab I.D.		140403	140404	140405	140406	140407
Sample ID	***************************************	Barrel	Barrel	Barrel	Barrel	Barrel
` · ·		#(1,2,3)	#(4,5,6)	#(7,8,9,10)	#(11,12,13,14	#(15,16,17)
Date Sampled		12/08/2004	12/08/2004	12/08/2004	12/08/2004	12/08/2004
Analytes	PQL';	Results	Results	Results	Results	Results
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

Our Lab I.D.	NAME OF	140403	140404	.140405	140406	140407
Surrogates	Con:Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery	15.754.66	11 part 12 part		14 7 M	74 Contra	
Bromofluorobenzene	70-120	101	108	. 119	107	120
Dibromofluoromethane	70-120	90	101	113	119	120
Toluene-d8	70-120	120	96	94	97	87

QUALITY CONTROL REPORT

Analytes	MS 7 % REC	MS DUP % REC	RPD	MS/MSD	MS RPD % Limit			
Benzene	119	119	<1	75-120	15			
Chlorobenzene	112	106	5.5	75-120	15	 		
1,1-Dichloroethene	112	104	7.4	75-120	15	 		
(1,1-Dichloroethylene)								
MTBE	120	120	<1	75-120	15		-	
Toluene (Methyl benzene)	120	120	<1	75-120	15		 	
Trichloroethene (TCE)	112	106	5.5	75-120	15			



Environmental Testing Services

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ANALYTICAL RESULTS

Ordered By

MACTEC Engineering & Consulting Inc 200 Citadel Dr. Los Angeles, CA 90040Site

Spring Street

Telephone: (323)889-5300 Attn: Don Harman

Page:

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Project ID:

4952-04-2862/18

Project Name:

Hall of Justice

Job Number	Order Date	Client
24064	12/09/2004	MACTEC

Method: 8260B, TPH as Gas

Batch No: 121004-1C

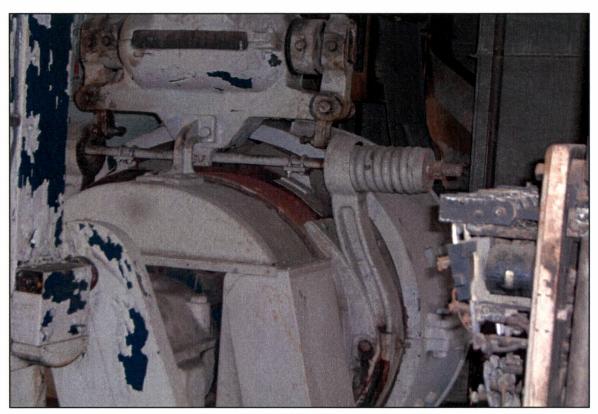
Our Lab I.D.	经通用的	140403	140404	140405	140406	140407
Sample ID		Barrel	Barrel	Barrel	Barrel	Barrel
		#(1,2,3)	#(4,5,6)	#(7,8,9,10)	#(11,12,13,14	#(15,16,17)
Date Sampled		12/08/2004	12/08/2004	12/08/2004	12/08/2004	12/08/2004
Date Extracted		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Preparation Method .						
Date Analyzed		12/10/2004	12/10/2004	12/10/2004	12/10/2004	12/10/2004
Matrix	i	Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Detection Limit Multiplier		1	1	1	. 1	1
Analytes	PQL	Results	Results	Results	Results	Results
TPH as Gasoline (C4-C12)	500	ND	ND	ND	ND	ND

Our Lab I.D.	Line and the state of the Contract of the Cont	≟:140403 <i>:</i>	140404	140405	140406	140407
Surrogates 1	Con.Limit	(% Rec.∵	% Rec.	% Rec.	% Rec.	% Réc.
Surrogate Percent Recovery	1.00	治统制指令	1. T. W. J. N. 9. F.	生物 的	ser and the	连的特殊
Bromofluorobenzene	70-120	101	108	119	107	120
Dibromofluoromethane	70-120	90	101	113	. 119	120
Toluene-d8	70-120	120	96	94	97	87

QUALITY CONTROL REPORT

Analytes	MS %REC	MS DUR % REC	RPD;	MS/MSD	MS RPD				
Benzene	119	119	<1	75-120	15		True Process	 Market and a voice	
Chlorobenzene	112	106	5.5	75-120	15			 -	
1,1-Dichloroethene	119	104	13.5	75-120	15				
(1,1-Dichloroethylene)						!			
MTBE	120	120	<1	75-120	15				•
Toluene (Methyl benzene)	120	120	<1	75-120	15				-
Trichloroethene (TCE)	112	106	5.5	75-120	15				

APPENDIX J PHOTOGRAPHS



Photograph 1: Elevator equipment with asbestos brake pads



Photograph 2: Flooring material in penthouse containing mercury



Photograph 3: Area of prison on 14th floor with foodstuffs and dead rats



Photograph 4: Typical asbestos containing pipe insulation



Photograph 5: Interstitial space above courtroom showing piping with asbestos containing insulation



Photograph 6: Typical vertical piping with asbestos containing insulation



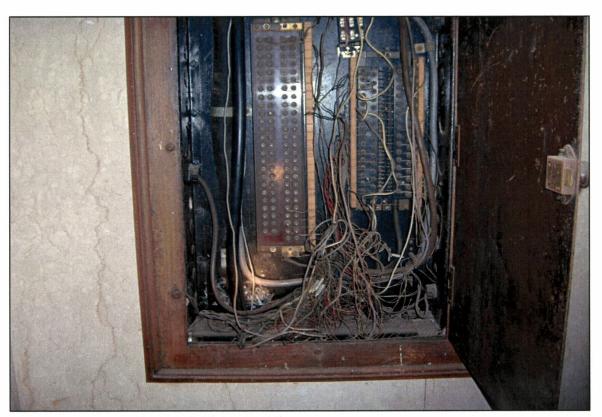
Photograph 7: Typical pipe chase between prison cells with asbestos containing insulation



Photograph 8: Typical flaking lead-based paint



Photograph 9: Typical Pigeon feces



Photograph 10: Typical lead shielded cabling



Photograph 11: Typical fluorescent light fixtures



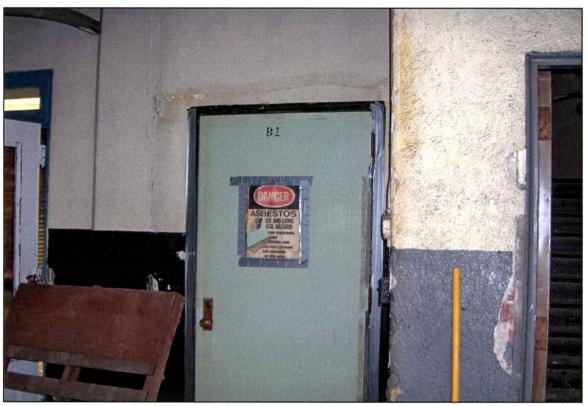
Photograph 12: Typical mercury containing thermostat



Photograph 13: Typical mercury switch



Photograph 14: Biohazard bags in room 100 on 1st floor



Photograph 15: Basement room containing bagged asbestos material