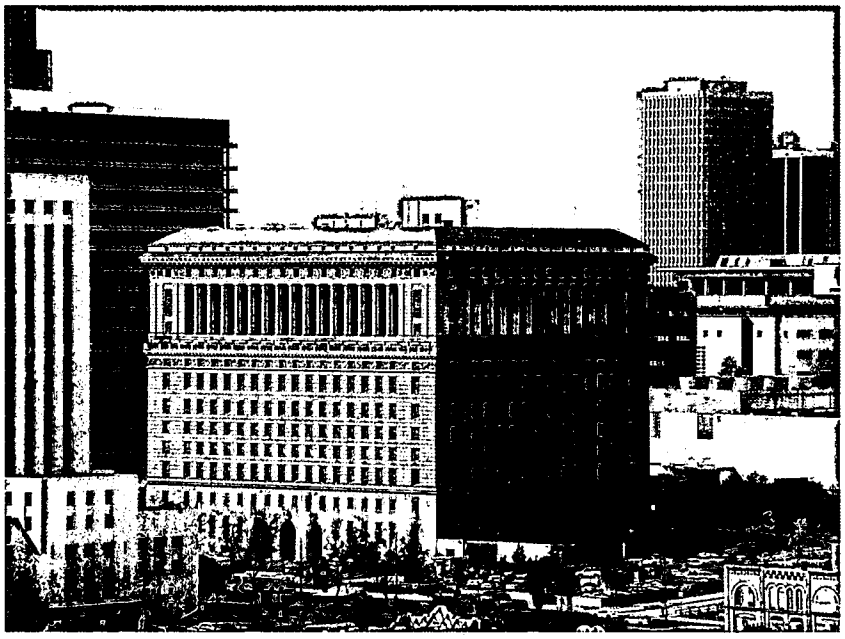
REPORT OF
SURVEY FOR HAZARDOUS MATERIALS

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

MACTEC

MACTEC

April 20, 2005

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

Attention: Ms. Alicia Ramos

Subject: **Report of Survey for Hazardous Materials**
Hall of Justice
211 West Temple Street
Los Angeles, California
MACTEC Project 4952-04-2862

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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(2 copies submitted)
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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:

1. 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:

1. "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 (µg)/100 square centimeter ($cm^{2)}$ and <100 µg/100 cm^2 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 bio-toxins. 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.

1. Remove mercury and biohazards and PCB (except in electrical).
2. Clean up pigeon feces and rats.
3. Scrap lead based paint and clean up.
4. Remove wainscoting and other finishes.
5. Remove floor tile and nest.
6. Demolish walls and haul away (bail bars as well).
7. 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 5.1and 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 duration 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	MATERIAL																							
	ASBESTOS										Mercury		Feces		Lead, Misc.		Lead-based Coating				PCBs		Bio Haz Waste	
	Floor Tile and Mastic		Duct Insulation		Pipe Insulation		Ceiling Plaster		Miscellaneous								Ceramic Tile		Paint		Ballasts			
	Comments	Quantity	Comments	Quantity	Comments	Quantity	Comments	Quantity	Comments	Quantity	Comments	Quantity	Comments	Quantity	Comments	Quantity	Comments	Quantity vs..	Comments	Quantity	Comments	Quantity	Comments	Quantity
Basement	Two types of floor tile and mastic	884 sf			Up 3" dia, 3 1/2 to 6" dia., and 7 to 12" dia.	1664 lf, 2846 lf, and135 lf			Asbestos bags below stairs at K-K5/9-10.3 and tanks at F-H/2	2 hot water tanks (1000 sf)	Light tubes (nominal 4ft)	582							Areas with peeling paint on floor	<10%		291		
1	Five types of floor tile and mastic	16693 sf			Steam risers per drawings and condensate are insulated as well, @P/7.5-8, @ H/7, G-H/8, hot water from drawings	1170 lf, 20 lf, 60 lf, 30 lf, and 670 lf resp.					Light tubes (nominal 4ft)	643	Pigeon at P/3-4	30 sq ft	Sample at box on SW had the lead	Assumed 8 X13=104 lin ft	Restrooms at G-J/8-10.3 and A-B/7	1960	Peeling paint to be removed from wall 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/8 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	30 sq ft	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 at G/6	136 lf (cable) and 180 sf (window)	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/3-4	30 sq ft & 30 sq ft	Backup batteries at L-M/11and Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3	12 Exide batteries and 120 linear ft of shield cable	Restrooms I-J/8-10.3, G-H/8-9, A-C/3-4,	980	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/3-4	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	124 lin ft	Restrooms at I-J/8-10.3, G-H/8-10.3, A-B/4-5 and N-O/3-5	1680	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 lf and 311 lf					Thermostat at C/8, B/11, L/10 and M/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	87 lin ft	Restrooms at I-J/8-10.3, G-H/8-10.3 C/7, C/4, and O/3-4	1280	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 @I/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, 30 sq ft & 490 sf	Lead-shielded cable at A/9-10, P/3-4, B-C/2-3 and N-O/10.3	87 lin ft	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		
7	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 multiple layer systems	9959 sf			Steam risers per drawings, hot water from drawings	780 lf and 325 lf			Fire damaged TSI at the center main corridor		Light switches at B/6, Light tubes (nominal 4ft)	2 switches, 934	Pigeon at A/9-10 and P/3-4	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	125 lin ft	Restrooms at I-J/8-9, G-H/8-9, O/4-5, A/2, G/2, P/11, F/11, A/11 and B/6	1380	Peeling paint to be removed from wall and 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 lf and 156 lf					Light tubes (nominal 4ft)	852	Pigeon at A/9-10 and P/3-4	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	99 lin ft	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 lf and 646 lf					Light tubes (nominal 4ft)	284	Pigeon at E.5-H/1-3, A/9-10, and P/3-4	880 sq ft, 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	88 lin ft	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 lf	In cell pipe chase and steam risers per drawing	50 lf (chase) and 513 lf (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 wall 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 lf (chase) and 551 lf (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 lf & 13 elbows (chase) 551 lf (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		
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 lf & 5 elbows & 10 sf converter (chase) 551 lf (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 ceiling of 14th floor remove entire ceiling to access ducts and pipes above.	17 lf (chase), 3175 lf (risers) and 3,100 lf (above ceiling)	Between slab for penthouse and ceiling of 14th floor remove entire ceiling to access ducts and pipes above.	32981 sf	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 O.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, 346	Pigeon at A.2/11.8 and in the penthouse that houses the day tanks.	16 sq ft	Backup batteries at B.8/4-5	8 batteries	Showers	1880	Peeling paint to be removed from wall and ceiling	0%		164		

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample in Container	General Location	% Asbestos
145	Roofing Adhesive	Black	Asphaltic	Roofing	Black Tar	15th Floor, West Overhang	ND
147	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	15th Floor, Upper Mech Room	50%
146	Duct Vibration Isolation Cloth	Gray	HVAC	Misc.	HVAC Vibration Damper Gray Canvas	15th Floor, Upper Mech Room	ND
SC122001	Floor Coating	Black	Asphaltic	Floor Materials	Flooring material, black	15th Floor, perimeter wall cavity, A-2	ND
DH121404	Insulating Material	Brown	Need Attribute	Misc.	Insulation, wire, woven	15th Floor, Elevator Room	ND
SC121308	Resilient Sheet Flooring	Red	N/A	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	14th Floor, OP-1-2	2
SC121404	12" x 12" Floor Tile	Beige	Marble Pattern	Floor Materials	Beige 12"x12" Spotted "marble 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
SC121410	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, MN-5.5-6	4
SC122003	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring, continuous	14th Floor, MN-5	ND
SC122002	Layered Paper Insulation	Gray	Need Attribute	TSI	Ducting blanket wrap	14th Floor, Mechanical Rm, 10.5-E	90
009	Mastic	Black	N/A	Misc.	Black Mastic A/W Freezer Wall	14th Floor, Freezer Wall	ND
006	1' x 1' Ceiling Tile (Glued)	None Available from Citadel Report	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile	14th Floor, Corridor	ND
007	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	14th Floor, Corridor	ND
008	Plaster	Gray	N/A	Wall/Ceiling Materials	Unfinished Ceiling Plaster, Gray	14th Floor, Above Ceiling	ND
011	1' x 1' Ceiling Tile (Glued)	Rough Texture	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile, Rough Texture	14th Floor	ND
001	12" x 12" Floor Tile	NEED ATTRIBUTE	Brown Streaks	Floor Materials	12" x12" VFT, Brown W/Brown/White Mottles	14th Floor	ND
004	9" x 9" Floor Tile	Green	Under Floor Tile/Carpet	Floor Materials	9" x 9" VFT, Green, Below Carpet	14th Floor	>1%
013	Carpet Mastic	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	14th Floor	2%
012	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT2	14th Floor	ND
002	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	14th Floor	1-2%

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary 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%
010	Mastic	Black	Assoc. w/Foam Glass Insulation	Misc.	Black Tar A/W Foam Pipe Insulation	14th Floor	ND
003	Wall System Composite	White	N/A	Wall/Ceiling Materials	Wall System Composite, White	14th Floor	ND
014	Stair Tread	Black	Asphaltic	Floor Materials	Stair Tread	13th Floor, Stairwell	ND
021A	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	13th Floor, Hallway	ND
SC121412	9" x 9" Floor Tile	Green	N/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	13th Floor, CD-4-5	4
015	9" x 9" Floor Tile	Brown	N/A	Floor Materials	9" x 9" VFT Brown	13th Floor	>1%
017	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	13th Floor	ND
016	Floor TIle Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT3	13th Floor	2-6%
018	Leveling Compound	Brown	N/A	Floor Materials	Floor Finish Compound, Brown	13th Floor	ND
020	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	13th Floor	ND
022B	Resilient Sheet Flooring	Brown	N/A	Floor Materials	Vinyl Sheet Flooring, Brown, Bottom Layer	13th Floor	ND
019	Textured Coating	Gray	Speckled	Wall/Ceiling Materials	Wall Texture Coat, Gray Specked	13th Floor	ND
SC122904	Stair Tread	Black	Asphaltic	Floor Materials	Stair tread strip	12th Floor, Stairwell	ND
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
023	9" x 9" Floor Tile	White	Brown	Floor Materials	9" x 9" VFT Off-white, White/Brown Mottles	12th Floor, RM. 1201	>1%
026	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT2	12th Floor, RM. 1201	ND
024	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT4	12th Floor, RM. 1201	4-5%
SC121414	Pipe Insulation	Beige	N/A	TSI	Pipe insulation, beige	11th Floor, Hallway, AB-8-9	5/10
029	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light. Brown, Black Felt Backing	10th Floor, RM. 1024	ND
030	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light Brown, Black Felt Backing	10th Floor, RM. 1024	ND

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
031	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light Brown, 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
032	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%
033	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W 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%
028	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT3	10th Floor	2-6%
038	Carpet Mastic	Yellow	N/A	Floor Materials	Carpet Mastic, Yellow	9th Floor, RM. 947	ND
037	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown 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%
047	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT7	9th Floor, RM. 933	5%
034	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	9th Floor, RM. 914	ND
036	1' x 1' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile	9th Floor, RM. 912	ND
035	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	9th Floor, RM. 912	ND
040	12" x 12" Floor Tile	Beige	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%
042	Floor Tile Mastic	Yellow	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Yellow A/W FT6	9th Floor, RM. 909	ND
043	Floor Tile Mastic	Yellow	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Yellow A/W 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
SC121430	Floor Tile Mastic	Black	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
SC121422	12" x 12" Floor Tile	Beige	Marble Pattern	Floor Materials	Beige Floor 12"x12" "marble pattern" Tile	9th Floor, Rm 900, EF-10-12	>1
SC121423	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	9th Floor, Rm 900, EF-10-12	ND
SC121427	Pipe Wrap	Cream	N/A	Misc.	Pipe wrap cream paint	9th Floor, North Hallway, MN-6-7	60

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
SC121428	Resilient Sheet Flooring	Brown	N/A	Floor Materials	Brown flooring	9th Floor, next to Fire Escape, NO-4-5	ND
044	12" x 12" Floor Tile	Brown	White	Floor Materials	12" x12" VFT, Brown 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, Telephone 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	Wall/Ceiling Materials	2' x 2' Lay-in Ceiling Panel, White	8th Floor, RM. 856	ND
079	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
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	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	8th Floor, RM. 856	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	2-6%
081	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	8th Floor, RM. 851	ND
082	Wallboard Joint 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	White	Floor Materials	12" x12" VFT, Brown 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	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	8th Floor, RM. 848	1-2%
053	Leveling Compound	White	Need Attribute	Floor Materials	Floor Leveling Compound, 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

Project # 4952-04-2862

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 FT4	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 Ceiling 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	Felt Paper w/Mastic	Black	Steam	Misc.	Felt Paper Barier, Black (Radiator)	8th Floor, RM. 806	ND
071	Floor Tile Mastic	Brown	N/A	Floor Materials	Floor Tile Mastic, Brown	8th Floor, RM. 806	ND
064	Carpet Mastic.	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	8th Floor, RM 831	ND
065	Resilient Sheet Flooring	Black	Gray	Floor Materials	Vinyl Sheet Flooring, Black, Battleship	8th Floor, RM 831	ND
SC121432	9" x 9" Floor Tile	Beige	N/A	Floor Materials	9"x9" beigeish Tile	8th Floor, Rm 815, KL-10-11	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

Project # 4952-04-2862

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	ND
083	Carpet Mastic	Yellow	N/A	Floor Materials	Carpet Mastic, Yellow	8th Floor, Elevator	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
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	Black	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	ND
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	Black	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	Brown	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	Wall Joint Compound, White	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	Black	N/A	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	Black mastic	7th Floor, Rm 704, HI-10-11	3

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
DH010401	Plaster	White	On Wall	Wall/Ceiling Materials	Plaster below marble wainscott, white	7th Floor, D9	ND
096	Resilient Sheet Flooring	Red	N/A	Floor Materials	Vinyl Sheet Flooring, Red	6th Floor, RM. 689	ND
098	9" x 9" Floor Tile	Brown	Black/Brown	Floor Materials	9" x 9" VFT, Brown W/Black/Brown Flecks	6th Floor, RM. 687	>1%
099	Floor Tile Mastic	N/A	N/A	Floor Materials	Floor Tile Mastic, A/W FT9	6th Floor, RM. 687	3-4%
100	Plaster	Gray	N/A	Wall/Ceiling Materials	Ceiling Plaster Finish, Troweled Acoustic Material	6th Floor, RM. 687	7-8%
097	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	6th Floor, RM. 620	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%
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	1
SC121502	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black tile mastic	6th Floor, Rm 674, OP-10-11	ND
SC122102	Floor Tile Mastic	Brown	Under Floor Tile/Carpet	Floor Materials	Brown mastic	6th Floor, Rm 656, MN-4-6	ND
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
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 Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	6th Floor, Rm 636, CD-3-4	ND
SC121444	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring	6th Floor, Rm 617, BD-6-7	ND
SC121507	12" x 12" Floor Tile	Red	Marble Pattern	Floor Materials	Red 12"x12" "marble pattern" floor tile	5th Floor, west of 548B, BC-10-11	>1
SC121508	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	5th Floor, west of 548B, BC-10-11	4
108	12" x 12" Floor Tile	Black	N/A	Floor Materials	12" x 12" VFT Black	5th Floor, RM. 574	>1%
109	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT Mastice Black, A/W FT10	5th Floor, RM. 574	ND
106	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Adhesive, Brown A/W CT1	5th Floor, RM. 570	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
105	Duct Vibration Isolation Cloth	White	HVAC	Misc.	HVAC Vibration Damper, Cloth, White	5th Floor, RM. 540	30%
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

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
107	Wall System Composite	White	Need Attribute	Wall/Ceiling Materials	Wall System Composite, White	5th Floor, RM. 531	Trace
104	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	5th Floor, RM. 522	ND
SC122103	Plaster	White	On Wall	Wall/Ceiling Materials	Plaster, spray applied	5th Floor, Pipe Chase Rm, FG-9-10	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
SC121506	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	5th Floor, next to classroom, CD-6-7	3
111	Ceiling Tile Adhesive	Brown	Need Attribute	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W ????	4th Floor, RM. 618	ND
112	12" x 12" Floor Tile	White	Black	Floor Materials	12" x 12" VFT, White W/Black Mottles	4th Floor, RM. 453	ND
113	Floor Tile Mastic	White	Under Floor Tile/Carpet	Floor Materials	FT Mastic, Black A/W FT11	4th Floor, RM. 453	1-2%
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
SC121510	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	4th Floor, Rm 429M, CD-4-5	<1
124	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	3rd Floor, RM. 354	ND
125	Wallboard Joint Compound	White	N/A	Wall/Ceiling Materials	Wall Joint Compound, White	3rd Floor, RM. 354	ND
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)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 353	ND
121	12" x 12" Floor Tile	Tan	Assoc. w/Computer Flooring	Floor Materials	12' x 12" VFT Tan A/W Raised Computer Floor	3rd Floor, RM. 353	>1%
114	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
115	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
116	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
117	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	3rd Floor, RM. 347	>1%
118	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	3rd Floor, RM. 347	2-5%
120	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	3rd Floor, RM. 347	2-5%

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
119	Leveling Compound	White	Need Attribute	Floor Materials	Floor Leveling Compound, 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	White	HVAC	Misc.	HVAC Seam Tape, White	3rd Floor, Mech Room	ND
SC122203	12" x 12" Floor Tile	Black	N/A	Floor Materials	12x12 floor tile, black	3rd Floor, Elevator lobby entrance, I-6-7	ND
SC122204	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor tile mastic, black	3rd Floor, Elevator lobby 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
127	12" x 12" Floor Tile	Brown	White	Floor Materials	12" x12" VFT, Brown W/Brown/White Mottles	3rd Floor, Break Room	ND
128	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	3rd Floor, Break Room	1-2%
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	>1
SC121516	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	2nd Floor, Rm 208, AB-10-11	3
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
159	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	1st Floor,Room 118	ND
160	Cork Mastic	Gray	White	Wall/Ceiling Materials	Wall Plaster Finish, Gray W/White Scratch Coat	1st Floor,Room 118	Trace
SC121522	Resilient Sheet Flooring	Green	N/A	Floor Materials	Green flooring	1st Floor, Trusty Sleep Area, NO-2-3	ND
DH121401A	Insulating Material	Brown	Need Attribute	Misc.	Insulation, wire, woven	1st Floor, SE Box	ND
DH121401B	Insulating Material	Black	Need Attribute	Misc.	Insulation, wire, black	1st Floor, SE Box	ND
DH121401C	Insulating Material	Tan	Need Attribute	Misc.	Insulation, wire, paper	1st Floor, SE Box	ND
162	12" x 12" Floor Tile	Beige	Multi-colored Streaks	Floor Materials	12" x 12" VFT, Beige W/ Multi-color, Terrazzo-like	1st Floor, Room 129	>1%
163	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT6	1st Floor, Room 129	ND
164	9" x 9" Floor Tile	Brown	Black/Brown	Floor Materials	9" x 9" VFT, Brown 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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
SC121523	9" x 9" Floor Tile	Black	Marble Pattern	Floor Materials	Black "marble pattern" tile	1st Floor, Rm 0100, GH-3-4	>1
SC122901	Cork	Brown	Need Attribute	Wall/Ceiling Materials	Cork, ceiling, brown	1st Floor, Men's Locker room AB-6.5-7	ND
SC122902A	Mastic	Black	Asphaltic	Misc.	Mastic, black tar-like	1st Floor, Men's Locker room AB-6.5-7	ND
SC122902	Plaster	Gray	Need Attribute	Wall/Ceiling Materials	Plaster, gray	1st Floor, Men's Locker room AB-6.5-7	ND
SC121525	12" x 12" Floor Tile	Under Existing Finishes	N/A	Floor Materials	3 layer tile 12"x12" top floor layer	1st Floor, Locker Room-SW 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 corner of Gym, DE-3-4	ND
161	Ceiling Tile Adhesive	Black	Brown	Wall/Ceiling Materials	Celling Mastic, Black A/W Brown Cork	1st Floor, Locker Room 127	ND
SC122926	Plaster	Tan	Need Attribute	Wall/Ceiling Materials	Wall, granular	1st Floor, Gym, lower perimeter wall dome curb	ND
130	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	1st Floor	ND
132	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	1st Floor	ND
131	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	1st Floor	2-5%
143	Built-Up Roofing System	Black	Roof	Roofing	Roof Built-up Core, Rlack Tar and Felts, Rock Fini	Roof, 5th Floor	ND
144	Waterproofing @ Roof Equip.	Black	Gray	Roofing	Roof Penetration Sealant, Black/Gray	Roof, 5th Floor	6-18%
133	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
134	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
135	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
136	Built-Up Roofing System	Gray	Black	Roofing	Roof Built-up Core, Gray/Black Tar & Felts (Smooth	Roof	<1%-18%
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	Gray	Black	Roofing	Roof Built-up Core, Gray/Black Tar & Felts (Smooth	Roof	<1%-18%
142	Built-Up Roofing System	Black	Roof	Roofing	Roof Built-up Core, Rlack Tar and Felts, Rock Fini	Roof	ND

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
149	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Roof	ND
148	Duct Vibration Isolation Cloth	HVAC	Need Attribute	Misc.	HVAC Vibration Damper	Roof	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	Roofing	Roof Penetration Sealant, Black/Gray	Roof	6-18%
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
157	Duct Vibration Isolation Cloth	Gray	HVAC	Misc.	HVAC Vibration Damper, Canvas, gray	Light Court #4	30
158	Duct Vibration Isolation Cloth	Gray	HVAC	Misc.	HVAC Vibration Damper, Gray Cloth (Mesh)	Light Court #4	30%
150	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe.	Light Court #2	ND
151	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #2	ND
152	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #2	3-4%
156	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Light Court #1, Inside Covered Duct	ND
153	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #1	ND
154	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #1	3-4%
155	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Light Court #1	ND
DH121403A	Insulating Material	Beige	Need Attribute	Misc.	Insulation, wire, woven	Basement, SW Box	ND
DH121403B	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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary 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	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile, Rough Texture	14th Floor	ND
006	1' x 1' Ceiling Tile (Glued)	None Available from Citadel Report	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile	14th Floor, Corridor	ND
036	1' x 1' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	12" x 12" Glued-on Ceiling Tile	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	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
115	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
116	1' x 3' Ceiling Tile (Glued)	White	N/A	Wall/Ceiling Materials	1' x 3' Spline Ceiling Tile, White	3rd Floor, RM. 347	ND
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)	White	N/A	Wall/Ceiling Materials	1' 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	14th Floor	ND
SC121404	12" x 12" Floor Tile	Beige	Marble Pattern	Floor Materials	Beige 12"x12" Spotted "marble pattern"	14th Floor, NO-1-2	2
130	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	1st Floor	ND
SC121525	12" x 12" Floor Tile	Under Existing Finishes	N/A	Floor Materials	3 layer tile 12"x12" top floor layer	1st Floor, Locker Room-SW corner of Gym, DE-3-4	ND
162	12" x 12" Floor Tile	Beige	Multi-colored Streaks	Floor Materials	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
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	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	3rd Floor, RM. 347	>1%
121	12" x 12" Floor Tile	Tan	Assoc. w/Computer Flooring	Floor Materials	12' x 12" VFT Tan A/W Raised Computer Floor	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
108	12" x 12" Floor Tile	Black	N/A	Floor Materials	12" x 12" VFT Black	5th Floor, RM. 574	>1%
SC121507	12" x 12" Floor Tile	Red	Marble Pattern	Floor Materials	Red 12"x12" "marble pattern" floor tile	5th Floor, west of 548B, BC-10-11	>1
SC121441	12" x 12" Floor Tile	Black	Red	Floor Materials	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
070	12" x 12" Floor Tile	Beige	White	Floor Materials	12" x 12" VFT, Beige White/Brown Streaks	8th Floor, RM. 806	ND
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" x12" VFT, Brown W/Brown/White Mottles	9th Floor, Hall outside RM. 951	ND
SC121422	12" x 12" Floor Tile	Beige	Marble Pattern	Floor Materials	Beige Floor 12"x12" "marble 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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
040	12" x 12" Floor Tile	Beige	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/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 Ceiling Panel, White	8th Floor, RM. 834	ND
078	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
079	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
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
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
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
027	9" x 9" Floor Tile	Brown	N/A	Floor Materials	9" x 9" VFT Brown	10th Floor	>1%
032	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%
029	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light. Brown, Black Felt Backing	10th Floor, RM. 1024	ND
030	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light Brown, Black Felt Backing	10th Floor, RM. 1024	ND
031	9" x 9" Floor Tile	Light Brown	Black	Floor Materials	9" x 9" VFT, Light Brown, Black Felt Backing	10th Floor, RM. 1024	ND
023	9" x 9" Floor Tile	White	Brown	Floor Materials	9" x 9" VFT Off-white, White/Brown Mottles	12th Floor, RM. 1201	>1%
015	9" x 9" Floor Tile	Brown	N/A	Floor Materials	9" x 9" VFT Brown	13th Floor	>1%
SC121412	9" x 9" Floor Tile	Green	N/A	Floor Materials	Green 9"x9" Floor tile	13th Floor, CD-4-5	
004	9" x 9" Floor Tile	Green	Under Floor Tile/Carpet	Floor Materials	9" x 9" VFT, Green, Below Carpet	14th Floor	>1%
SC121406	9" x 9" Floor Tile	Green	N/A	Floor Materials	Green 9"x9" Floor tile	14th Floor, OP-1-2	>1
SC121523	9" x 9" Floor Tile	Black	Marble Pattern	Floor Materials	Black "marble pattern" tile	1st Floor, Rm 0100, GH-3-4	>1
164	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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
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	>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
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
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	1
098	9" x 9" Floor Tile	Brown	Black/Brown	Floor Materials	9" x 9" VFT, Brown W/Black/Brown Flecks	6th Floor, RM. 687	>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
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
SC121432	9" x 9" Floor Tile	Beige	N/A	Floor Materials	9"x9" beigeish Tile	8th Floor, Rm 815, KL-10-11	ND
054	9" x 9" Floor Tile	White	Need Attribute	Floor Materials	9" x 9" VFT, White	8th Floor, RM. 843 Locker Room	ND
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	N/A	Floor Materials	9" x 9" VFT Brown	8th Floor, RM. 856	>1%
SC121429	9" x 9" Floor Tile	Beige	N/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	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 W/Fe	Light Court #1	ND
154	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #1	3-4%
150	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #2	ND
151	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #2	ND
152	Built-Up Roofing System	Gray	Roof	Roofing	Roof Built-up Core, Gray Rubber-like Membrane W/Fe	Light Court #2	3-4%
133	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
134	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
135	Built-Up Roofing System	Black	Roof	Roofing	Roof built-up Core, Black Tar & Felts (White Stone	Roof	ND
136	Built-Up Roofing System	Gray	Black	Roofing	Roof Built-up Core, Gray/Black Tar & Felts (Smooth	Roof	<1%-18%
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	Gray	Black	Roofing	Roof Built-up Core, Gray/Black Tar & Felts (Smooth	Roof	<1%-18%
142	Built-Up Roofing System	Black	Roof	Roofing	Roof Built-up Core, Rlack Tar and Felts, Rock Fini	Roof	ND
143	Built-Up Roofing System	Black	Roof	Roofing	Roof Built-up Core, Rlack Tar and Felts, Rock Fini	Roof, 5th Floor	ND
013	Carpet Mastic	Black	Yellow	Floor Materials	Floor Carpet Mastic, Black/Yellow	14th Floor	2%

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

Project # 4952-04-2862

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 Mastic	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	Ceiling Tile Adhesive	Brown	Need Attribute	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W ????	4th Floor, RM. 618	ND
106	Ceiling 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	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	7th Floor, RM. 730	ND
080	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	8th Floor, RM. 856	ND
037	Ceiling Tile Adhesive	Brown	N/A	Wall/Ceiling Materials	Ceiling Tile Mastic, Brown A/W CT1	9th Floor, RM. 947	Trace
SC122901	Cork	Brown	Need Attribute	Wall/Ceiling 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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
132	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	1st Floor	ND
126	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	3rd Floor, Mech Room	ND
104	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	5th Floor, RM. 522	ND
155	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Light Court #1	ND
156	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Light Court #1, Inside Covered Duct	ND
149	Duct Tape	White	HVAC	Misc.	HVAC Seam Tape, White	Roof	ND
146	Duct Vibration Isolation Cloth	Gray	HVAC	Misc.	HVAC Vibration Damper Gray Canvas	15th Floor, Upper Mech Room	ND
105	Duct Vibration Isolation Cloth	White	HVAC	Misc.	HVAC Vibration Damper, Cloth, White	5th Floor, RM. 540	30%
157	Duct Vibration Isolation Cloth	Gray	HVAC	Misc.	HVAC Vibration Damper, Canvas, gray	Light Court #4	30
158	Duct Vibration Isolation Cloth	Gray	HVAC	Misc.	HVAC Vibration Damper, Gray Cloth (Mesh)	Light Court #4	30%
148	Duct Vibration Isolation 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
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	Black	Steam	Misc.	Felt Paper Barier, Black (Radiator)	7th Floor, RM. 734	ND
072	Felt Paper w/Mastic	Black	Steam	Misc.	Felt Paper Barier, Black (Radiator)	8th Floor, RM. 806	ND
073	Felt Paper w/Mastic	Black	Steam	Misc.	Felt Paper Barier, Black (Radiator)	8th Floor, RM. 806	ND
SC122001	Floor Coating	Black	Asphaltic	Floor Materials	Flooring material, black	15th Floor, perimeter wall cavity, A-2	ND
056	Floor Coating	Beige	N/A	Floor Materials	Troweled-on Floor, Beige	8th Floor, Shower	ND
028	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT3	10th Floor	2-6%
033	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT2	10th Floor, Engineer RM. 1017	2%
024	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT4	12th Floor, RM. 1201	4-5%
016	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT3	13th Floor	2-6%
SC121413	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Mastic	13th Floor, CD-4-5	4
002	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	14th Floor	1-2%

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary 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%
SC121410	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, MN-5.5-6	4
SC121405	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, NO-1-2	1
SC121407	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black Floor tile Mastic	14th Floor, OP-1-2	2
131	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	1st Floor	2-5%
SC121526	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black floor mastic	1st Floor, Locker Room-SW corner of Gym, DE-3-4	ND
SC121524	Floor Tile Mastic	Black	Under Floor Tile/Carpet	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	1st Floor, Room 123	ND
163	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT6	1st Floor, Room 129	ND
SC121516	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	2nd Floor, Rm 208, AB-10-11	3
128	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT1	3rd Floor, Break Room	1-2%
SC122204	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor tile mastic, black	3rd Floor, Elevator lobby entrance, I-6-7	3
SC121512	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	3rd Floor, Rm 339, FG-1-2	3
118	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	3rd Floor, RM. 347	2-5%
120	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Black A/W FT8 & FLC1	3rd Floor, RM. 347	2-5%
SC121510	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	4th Floor, Rm 429M, CD-4-5	<1
113	Floor Tile Mastic	White	Under Floor Tile/Carpet	Floor Materials	FT Mastic, Black A/W FT11	4th Floor, RM. 453	1-2%
SC121506	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	5th Floor, next to classroom, CD-6-7	3
109	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	FT Mastice Black, A/W FT10	5th Floor, RM. 574	ND
SC121508	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	5th Floor, west of 548B, BC-10-11	4
SC121504	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	6th Floor, Rm 636, CD-3-4	ND
SC122102	Floor Tile Mastic	Brown	Under Floor Tile/Carpet	Floor Materials	Brown mastic	6th Floor, Rm 656, MN-4-6	ND
SC121502	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black tile mastic	6th Floor, Rm 674, OP-10-11	ND
099	Floor Tile Mastic	N/A	N/A	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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
SC121442	Floor Tile Mastic	Black	Under Floor 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 Mastic, Black A/W FT8 & FLC1	7th Floor, RM. 714	2-5%
SC121438	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 803, KL-1-2	ND
SC121435	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	8th Floor, Rm 809, NO-8-9	>1
SC121433	Floor Tile Mastic	Black	Under Floor 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
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 Mastic	Black	Under Floor 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 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	2-6%
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
SC121423	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	9th Floor, Rm 900, EF-10-12	ND
SC121430	Floor Tile Mastic	Black	Under Floor Tile/Carpet	Floor Materials	Black mastic	9th Floor, Rm 925, KL-1-3	3
042	Floor Tile Mastic	Yellow	Under Floor Tile/Carpet	Floor Materials	Floor Tile Mastic, Yellow A/W FT6	9th Floor, RM. 909	ND
043	Floor Tile Mastic	Yellow	Under Floor 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	9th Floor, RM. 933	5%
DH121404	Insulating Material	Brown	Need Attribute	Misc.	Insulation, wire, woven	15th Floor, Elevator Room	ND
DH121401A	Insulating Material	Brown	Need Attribute	Misc.	Insulation, wire, woven	1st Floor, SE Box	ND
DH121401B	Insulating Material	Black	Need Attribute	Misc.	Insulation, wire, black	1st Floor, SE Box	ND
DH121401C	Insulating Material	Tan	Need Attribute	Misc.	Insulation, wire, paper	1st Floor, SE Box	ND
DH121403A	Insulating Material	Beige	Need Attribute	Misc.	Insulation, wire, woven	Basement, SW Box	ND
DH121403B	Insulating Material	Black	Need Attribute	Misc.	Insulation, wire, black	Basement, SW Box	ND
SC122002	Layered Paper Insulation	Gray	Need Attribute	TSI	Ducting blanket wrap	14th Floor, Mechanical Rm, 10.5-E	90
018	Leveling Compound	Brown	N/A	Floor Materials	Floor Finish Compound, Brown	13th Floor	ND
119	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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	Sample In Container	General Location	% Asbestos
053	Leveling Compound	White	Need Attribute	Floor Materials	Floor Leveling Compound, White	8th Floor, RM. 848	ND
010	Mastic	Black	Assoc. w/Foam 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	10th Floor, HI-5-6	ND
008	Plaster	Gray	N/A	Wall/Ceiling Materials	Unfinished Ceiling Plaster, Gray	14th Floor, Above Ceiling	ND
SC122926	Plaster	Tan	Need Attribute	Wall/Ceiling Materials	Wall, granular	1st Floor, Gym, lower perimeter wall dome curb	ND
SC122902	Plaster	Gray	Need Attribute	Wall/Ceiling Materials	Plaster, gray	1st Floor, Men's Locker room AB-6.5-7	ND
SC122103	Plaster	White	On Wall	Wall/Ceiling Materials	Plaster, spray applied	5th Floor, Pipe Chase Rm, FG-9-10	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/Ceiling Materials	Wall, granular	8th Floor, Rm 803 South wall K.5-N.5-1-3	ND
SC122925	Plaster	Yellow	Need Attribute	Wall/Ceiling 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
020	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	13th Floor	ND
022B	Resilient Sheet Flooring	Brown	N/A	Floor Materials	Vinyl Sheet Flooring, Brown, Bottom Layer	13th Floor	ND
021A	Resilient Sheet Flooring	Red	Black	Floor Materials	Vinyl Sheet Flooring, Rough Texture W/ Red & Black	13th Floor, Hallway	ND
SC122003	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring, continuous	14th Floor, MN-5	ND
SC121308	Resilient Sheet Flooring	Red	N/A	Floor Materials	Red flooring material	15th Floor, 4.2-B-6.5-7	ND
SC121522	Resilient Sheet Flooring	Green	N/A	Floor Materials	Green flooring	1st Floor, Trusty Sleep Area, NO-2-3	ND
SC121444	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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary 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	Resilient Sheet Flooring	Red	N/A	Floor Materials	Vinyl Sheet Flooring, Red	6th Floor, RM. 689	ND
SC121443	Resilient Sheet Flooring	Black	N/A	Floor Materials	Black continuous flooring	7th Floor, Rm 708.5, NO-11-12	ND
089	Resilient 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	Resilient Sheet Flooring	Black	Gray	Floor Materials	Vinyl Sheet Flooring, Black, Battleship	8th Floor, RM 831	ND
SC121428	Resilient Sheet Flooring	Brown	N/A	Floor Materials	Brown flooring	9th Floor, next to Fire Escape, NO-4-5	ND
SC121421	Resilient Sheet Flooring	Red	N/A	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
145	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/Ceiling Materials	Wall Sheetrock, White	3rd Floor, RM. 354	ND
094	Wallboard	White	N/A	Wall/Ceiling Materials	Wall Sheetrock, White	7th Floor, RM. 717	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

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary 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	Roofing	Roof Penetration Sealant, Black/Gray	Roof	6-18%
144	Waterproofing @ Roof Equip.	Black	Gray	Roofing	Roof Penetration Sealant, Black/Gray	Roof, 5th Floor	6-18%

Project # 4952-04-2862

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
SC1229QC06	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige line	15th Floor, West wall DE-1.2	19000
SC121401	Ceramic Tile	White	Floor	Misc.	Floor	Shower Floor ceramic white tile	15th Floor, Shower HI-10-11	-20
SC121309	Ceramic Tile	Green	Wall	Misc.	Wall	Shower wall green ceramic tile	15th Floor, Shower	950
SC121307	Paint	Gray	N/A	Misc.	NEED CODE	Greyish paint off equipment	15th Floor, Mech Penthouse	3600
SC121402	Paint	Dark Gray	Exterior	Misc.	Wall	Exterior window bar paint	15th Floor, Exterior window, GH-8-9	0
SC1229QC05	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige line	15th Floor, East wall GH-11.8	9300
SC1229QC07	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	14th Floor, West wall O-0.8/1.2	4600
SC1229QC08	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	14th Floor, West wall M-6-6.5	28000
SC1229QC09	Paint	Blue	Q.C.	Misc.	Wall	Paint, blue	14th Floor, West wall B.5/11-12	950
SC121407	Ceramic Tile	Brown	Wall	Misc.	Wall	Brownish wall ceramic tile, wall under bathroom counter	14th Floor, OP-2-3	100
SC121409	Ceramic Tile	Green	Marble Pattern	Misc.	Floor	"marble pattern" Green tile	14th Floor, MN-5.5-6	2500
SC121403	Ceramic Tile	Green	Wall	Misc.	Wall	Green Spotted Wall ceramic Tile	14th Floor, HI5-5.5	450
SC121411	Ceramic Tile	White	N/A	Misc.	Floor	Hexagon Tile in Dental office	14th Floor, Dental Office, OP-11-13	20
SC1229QC11	Paint	Beige	Q.C.	Misc.	Wall	Paint, cell wall, metal, beige	12th Floor, IJ-11-11.8	49000
SC1229QC10	Paint	Gray	Q.C.	Misc.	NEED CODE	Paint, cell bar, gray	12th Floor, Far North East corner O-0.8	4900

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
SC121416	Paint	Black	N/A	Misc.	Floor	Black Stairwell Fascia, Black layer on cross section of floor	11th Floor, Stairwell, HI-11-12	2400
SC1229QC14	Paint	Gray	Q.C.	Misc.	NEED CODE	Paint, metal stairway door, gray	11th Floor, Stairway door A-A0.5/10.8-11-	34000
SC121417	Paint	Red	N/A	Misc.	Floor	Red paint on stairs and outline	11th Floor, Stairs, JK-1-2	1080
SC1229QC12	Ceramic Tile	White	Q.C.	Misc.	Wall	Tile, ceramic, white	11th Floor, Shower GH-5.5-7.5	80
SC121415	Paint	Dark Gray	N/A	Misc.	NEED CODE	Grey cell bar paint	11th Floor, Hallway, AB-8-9	10500
SC1229QC13	Paint	Gray	Q.C.	Misc.	Wall	Paint, cell wall, metal, gray	11th Floor, A.2B/1.2-2	3900
SC1229QC16	Paint	Green	Q.C.	Misc.	Wall	Paint, green	10th Floor, Rm 1077, south wall A-A.2/4-4.5	62000
SC1229QC15	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	10th Floor, Rm 1077, east wall A-A.2-5-6	86000
SC121419	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
SC1229QC17	Paint	Beige	Q.C.	Misc.	Ceiling	Paint, beige, ceiling	10th Floor, ceiling HI-1-3	180000
SC121424	Paint	Beige	Ceiling	Misc.	Ceiling	Paint on ceiling hatch	9th Floor, Women's Bathroom, IJ-8-9	7000
SC1229QC19	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige	9th Floor, South wall B.4C-6-7	69000
SC121425	Ceramic Tile	Brown	Wall	Misc.	Wall	4"x4" Brownish wall ceramic tile	9th Floor, Rm 915, OP-10-11	
SC121426	Ceramic Tile	Accent Tile	N/A	Misc.	Floor	2nd Bathroom oval tile	9th Floor, Rm 915, OP-10-11	

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
SC1229QC18	Paint	White	Q.C.	Misc.	Wall	Paint, white	9th Floor, North wall OP-1-2	2400
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
SC121449	Ceramic Tile	Beige	Wall	Misc.	Wall	Beige Spotted wall ceramic tile	6th Floor, Bathroom in front of Rm 602, 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.	Wall	Ceramic wall tile, bluish/grey	4th Floor, Bathroom, NO-9-10	1500

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

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
DH121802	Dust/Debris	Moderate Accumulation	Need Attribute	Misc.	Floor	Dust on Paper	3rd Floor, M/8	0
SC121513	Ceramic Tile	Silver	Wall	Misc.	Wall	4"x4" blue grey wall ceramic tile	2nd Floor, Rm 263 Bathroom, OP-10-11	20
SC121514	Ceramic Tile	Gray	Floor	Misc.	Floor	Small grey ceramic floor tile	2nd Floor, Rm 263 Bathroom, OP-10-11	20
SC121517	Stain Glass Joining	Gray	Metallic	Misc	Wall	Stained glass joints	2nd Floor, Main lobby, GH-5-6	490000
SC121519	Ceramic Tile	Green	Wall	Misc.	Wall	4"x4" green ceramic wall tile	1st Floor, Trusty Sleep Area, OP-2-3	80
SC121520	Ceramic Tile	Green	Floor	Misc.	Floor	2"x2" green ceramic floor tile	1st Floor, Trusty Sleep Area, OP-2-3	20
SC121521	Floor Coating	Green	N/A	Floor Materials	Floor	Green flooring	1st Floor, Trusty Sleep Area, NO-2-3	20
SC121304	Paint	Green	N/A	Misc.	Wall	Exterior window Frame - Green paint	1st Floor, Rm 109	99000
SC122903	Paint	Beige	Q.C.	Misc.	NEED CODE	Interior ramp	1st Floor, Interior driveway ramp, east wall NO-7	3200
DH122801	Jacket Insulation	Black	Need Attribute	TSI	NEED CODE	Insulation, lead shielded cable, black	1st Floor, B7/10.3	3
SC121301	Paint	Green	N/A	Misc.	NEED CODE	Generator equipment stand - green paint	Basement, Generator Rm	66000
SC121302	Paint	Dark Green	N/A	Misc.	NEED CODE	Generator equipment stand - darkish green paint	Basement, Generator Rm	49000
SC121303	Paint	Red	N/A	Misc.	Floor	Concrete equipment pad - red paint	Basement, Generator Rm	11000

Project # 4952-04-2862

Table 5.3b
Summary of Material Sample Analyses For Lead
By Material Description

Sample #	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
SC121302	Paint	Dark Green	N/A	Misc.	NEED CODE	Generator equipment stand - darkish green paint	Basement, Generator Rm	49000
SC121303	Paint	Red	N/A	Misc.	Floor	Concrete equipment pad - red paint	Basement, Generator Rm	11000
SC121304	Paint	Green	N/A	Misc.	Wall	Exterior window Frame - Green paint	1st Floor, Rm 109	99000
SC121307	Paint	Gray	N/A	Misc.	NEED CODE	Greyish paint off equipment	15th Floor, Mech Penthouse	3600
SC121309	Ceramic Tile	Green	Wall	Misc.	Wall	Shower wall green ceramic tile	15th Floor, Shower	950
SC121401	Ceramic Tile	White	Floor	Misc.	Floor	Shower Floor ceramic white tile	15th Floor, Shower HI-10-11	-20
SC121402	Paint	Dark Gray	Exterior	Misc.	Wall	Exterior window bar paint	15th Floor, Exterior window, GH-8-9	0
SC121403	Ceramic Tile	Green	Wall	Misc.	Wall	Green Spotted Wall ceramic Tile	14th Floor, HI5-5.5	450
SC121407	Ceramic Tile	Brown	Wall	Misc.	Wall	Brownish wall ceramic tile, wall under bathroom counter	14th Floor, OP-2-3	100
SC121409	Ceramic Tile	Green	Marble Pattern	Misc.	Floor	"marble pattern" Green tile	14th Floor, MN-5.5-6	2500
SC121411	Ceramic Tile	White	N/A	Misc.	Floor	Hexagon Tile in Dental office	14th Floor, Dental Office, OP-11-13	20
SC121415	Paint	Dark Gray	N/A	Misc.	NEED CODE	Grey cell bar paint	11th Floor, Hallway, AB-8-9	10500
SC121416	Paint	Black	N/A	Misc.	Floor	Black Stairwell Fascia, Black layer on cross section of floor	11th Floor, Stairwell, HI-11-12	2400
SC121417	Paint	Red	N/A	Misc.	Floor	Red paint on stairs and outline	11th Floor, Stairs, JK-1-2	1080

Table 5.3b
Summary of Material Sample Analyses For Lead
By Material Description

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
SC121418	Ceramic Tile	Green	Floor	Misc.	Floor	Small ceramic tile	10th Floor, GH-3-4	0
SC121419	Ceramic Tile	Brown	Floor	Misc.	Floor	2"x8" ceramic tile	10th Floor, HI-5-6	2500
SC121424	Paint	Beige	Ceiling	Misc.	Ceiling	Paint on ceiling hatch	9th Floor, Women's Bathroom, IJ-8-9	7000
SC121425	Ceramic Tile	Brown	Wall	Misc.	Wall	4"x4" Brownish wall ceramic tile	9th Floor, Rm 915, OP-10-11	
SC121426	Ceramic Tile	Accent Tile	N/A	Misc.	Floor	2nd Bathroom oval tile	9th Floor, Rm 915, OP-10-11	
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
SC121449	Ceramic Tile	Beige	Wall	Misc.	Wall	Beige Spotted wall ceramic tile	6th Floor, Bathroom in front of Rm 602, 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

Table 5.3b
Summary of Material Sample Analyses For Lead
By Material Description

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
SC121513	Ceramic Tile	Silver	Wall	Misc.	Wall	4"x4" blue grey wall ceramic tile	2nd Floor, Rm 263 Bathroom, OP-10-11	20
SC121514	Ceramic Tile	Gray	Floor	Misc.	Floor	Small grey ceramic floor tile	2nd Floor, Rm 263 Bathroom, OP-10-11	20
SC121517	Stain Glass Joining	Gray	Metallic	Misc	Wall	Stained glass joints	2nd Floor, Main lobby, GH-5-6	490000
SC121519	Ceramic Tile	Green	Wall	Misc.	Wall	4"x4" green ceramic wall tile	1st Floor, Trusty Sleep Area, OP-2-3	80
SC121520	Ceramic Tile	Green	Floor	Misc.	Floor	2"x2" green ceramic floor tile	1st Floor, Trusty Sleep Area, OP-2-3	20
SC121521	Floor Coating	Green	N/A	Floor Materials	Floor	Green flooring	1st Floor, Trusty Sleep Area, NO-2-3	20
SC122201	Ceramic Tile	Green	Floor	Misc.	Floor	Ceramic floor tile, green	4th Floor, Bathroom, NO-9-10	9
SC122202	Paint	Gray	Wall	Misc.	Wall	Ceramic wall tile, bluish/grey	4th Floor, Bathroom, NO-9-10	1500
SC122903	Paint	Beige	Q.C.	Misc.	NEED CODE	Interior ramp	1st Floor, Interior driveway ramp, east wall NO-7	3200
SC1229QC05	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige line	15th Floor, East wall GH-11.8	9300
SC1229QC06	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige line	15th Floor, West wall DE-1.2	19000
SC1229QC07	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	14th Floor, West wall O-0.8/1.2	4600
SC1229QC08	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	14th Floor, West wall M-6-6.5	28000
SC1229QC09	Paint	Blue	Q.C.	Misc.	Wall	Paint, blue	14th Floor, West wall B.5/11-12	950
SC1229QC10	Paint	Gray	Q.C.	Misc.	NEED CODE	Paint, cell bar, gray	12th Floor, Far North East corner O-0.8	4900

Table 5.3b
Summary of Material Sample Analyses For Lead
By Material Description

Project # 4952-04-2862

Sample #	Material Description	Primary Description	Secondary Description	Material Type	System Name	Sample In Container	General Location	PPM Lead
SC1229QC11	Paint	Beige	Q.C.	Misc.	Wall	Paint, cell wall, metal, beige	12th Floor, IJ-11-11.8	49000
SC1229QC12	Ceramic Tile	White	Q.C.	Misc.	Wall	Tile, ceramic, white	11th Floor, Shower GH-5.5-7.5	80
SC1229QC13	Paint	Gray	Q.C.	Misc.	Wall	Paint, cell wall, metal, gray	11th Floor, A.2B/1.2-2	3900
SC1229QC14	Paint	Gray	Q.C.	Misc.	NEED CODE	Paint, metal stairway door, gray	11th Floor, Stairway door A-A0.5/10.8-11-	34000
SC1229QC15	Paint	Tan	Q.C.	Misc.	Wall	Paint, tan	10th Floor, Rm 1077, east wall A-A.2-5-6	86000
SC1229QC16	Paint	Green	Q.C.	Misc.	Wall	Paint, green	10th Floor, Rm 1077, south wall A-A.2/4-4.5	62000
SC1229QC17	Paint	Beige	Q.C.	Misc.	Ceiling	Paint, beige, ceiling	10th Floor, ceiling HI-1-3	180000
SC1229QC18	Paint	White	Q.C.	Misc.	Wall	Paint, white	9th Floor, North wall OP-1-2	2400
SC1229QC19	Paint	Beige	Q.C.	Misc.	Wall	Paint, beige	9th Floor, South wall B.4C-6-7	69000
SC1229QC20	Paint	White	Q.C.	Misc.	Wall	Paint, white	8th Floor, RM 815 South wall KL-11-12	2500
DH121802	Dust/Debris	Moderate Accumulation	Need Attribute	Misc.	Floor	Dust on Paper	3rd Floor, M/8	0
DH122801	Jacket Insulation	Black	Need Attribute	TSI	NEED CODE	Insulation, lead 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 Vermin	• CCR Title 8 Section 3362 "General Sanitation 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

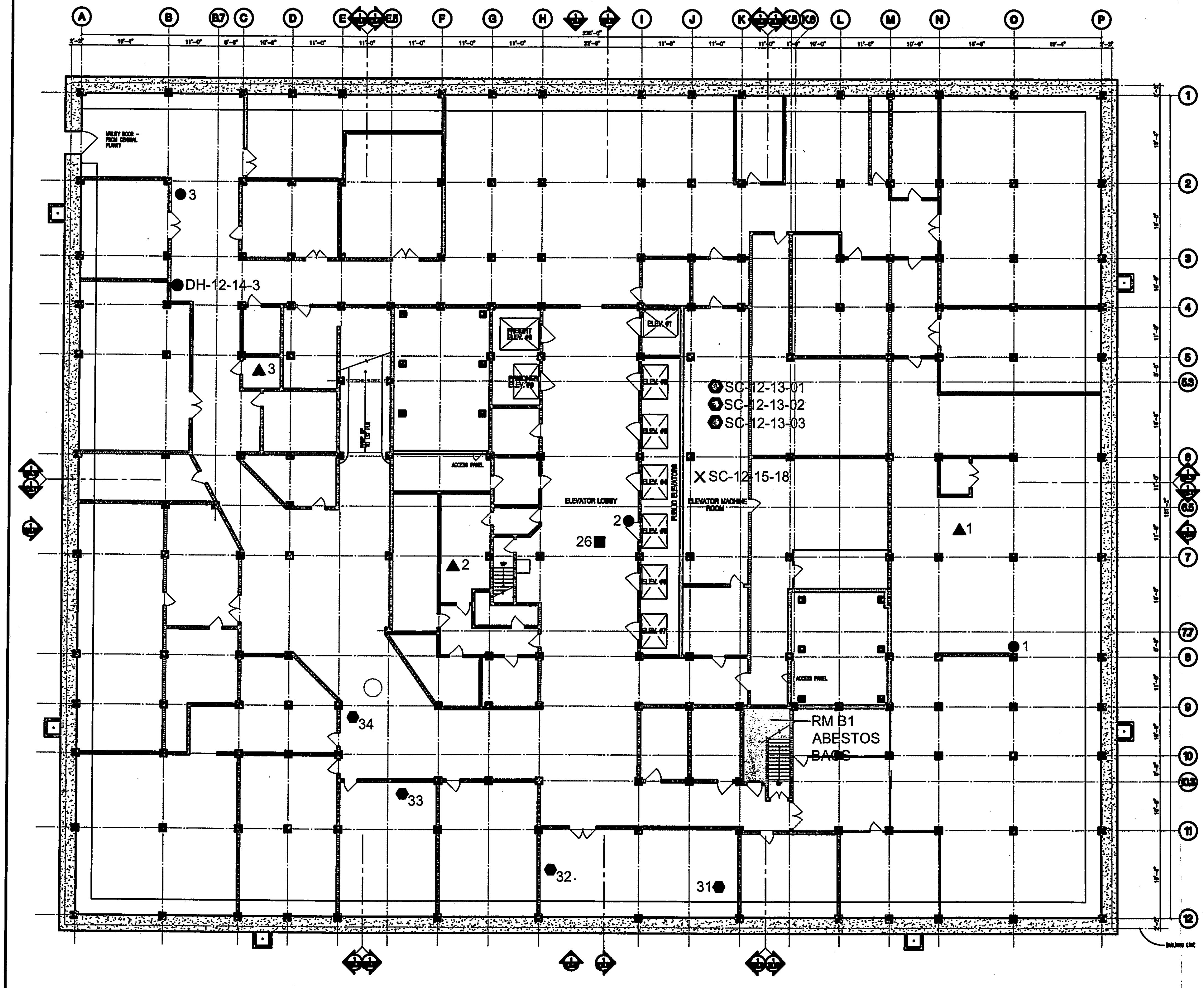
Removal Item	Quantity	Opinion of Cost
Floor Tile and Mastic (including mercury)	132,400 sf	$335,000
Duct Insulation	1,000 sf	$6,000
Pipe Insulation	19,000 lf	$126,000
Ceiling Plaster, 6th and 14th Floor	33,500 sf	$119,000
Tank Insulation	2 each	$5,500
Wall Plaster Finish,	2,000 sf	$3,500
All metal components,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

TABLE 7.2 – OPINION OF COST, ALTERNATIVES:

No.	Item	Opinion of Cost
1.	Removal all roofing down to structure.....	$187,000
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" around. Price includes 30 days rental.....	$584,000

APPENDIX A

FIGURES WITH SAMPLE LOCATIONS



NOTES / EXISTING WALL MATERIALS LEGEND

1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.

- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
- EXISTING CONCRETE WALL / COLUMN
- EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
- CONCRETE BLOCK WALL WITH PLASTER FINISH
- PLASTER AND/OR CERAMIC TILE ON HOLLOW CLAY TILE (HCT) FURRING OR PARTITION
- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH

- ● AIR SAMPLES BY PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS
- ■ AIR SAMPLES FOR LEAD
- ▲ MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
- ⬢ WIPE SAMPLES FOR LEAD BY NIOSH 7082
- ◆ AIR-O-CELLO CASSETTE ANALYSIS
- ⬢ MATERIAL SAMPLE ANALYSES FOR LEAD
- ● ADDITION ASBESTOS SAMPLES
- X SAMPLES FOR OTHER ANALYSIS

Nadel Architects Inc.

COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE

EXISTING BASEMENT FLOOR PLAN

EXISTING BASEMENT FLOOR PLAN — 1

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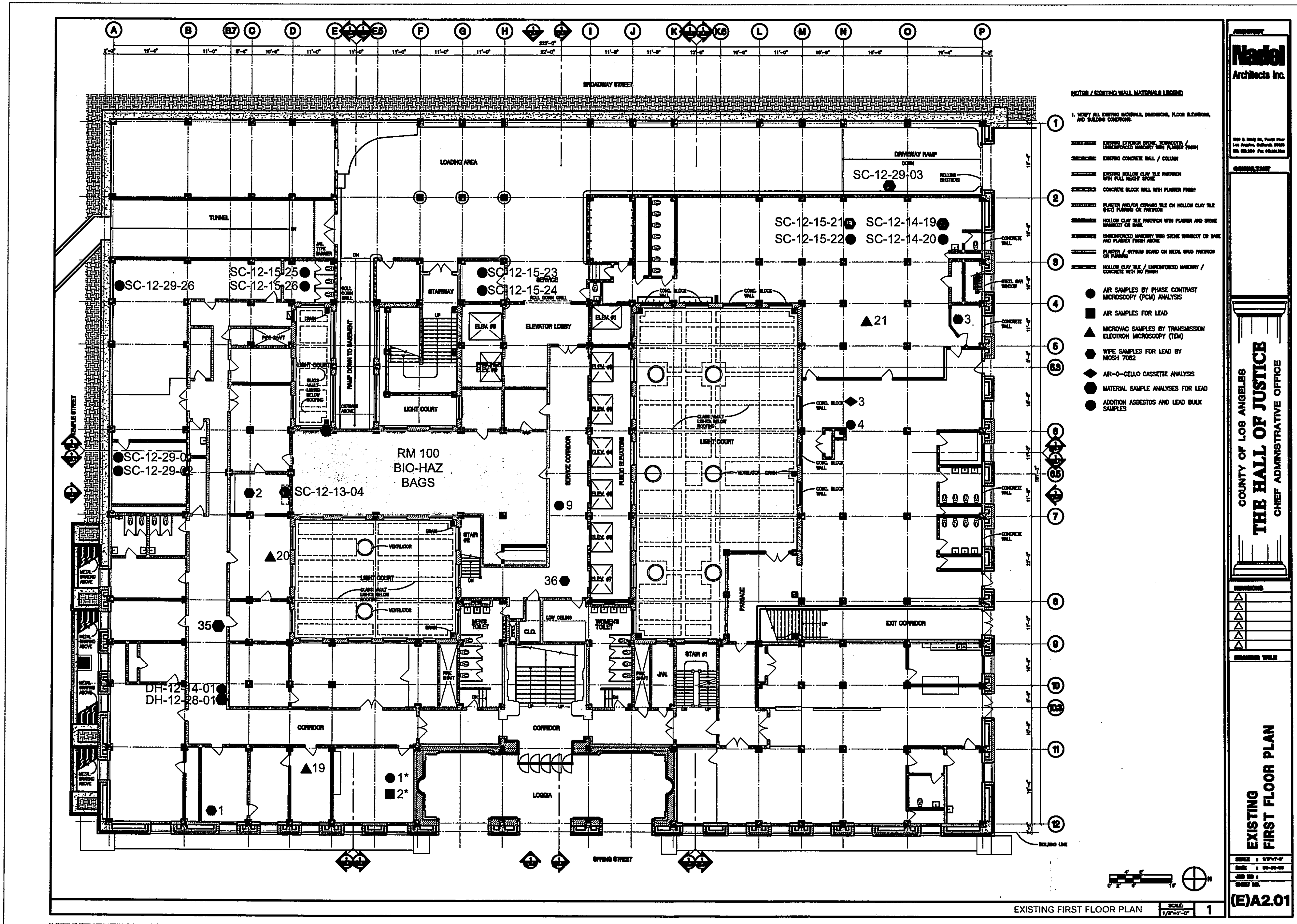

BROADWAY STREET
SPRING STREET
TEMPLE STREET
LOADING AREA
DRIVEWAY RAMP
TUNNEL
STAIRWAY
ELEVATOR LOBBY
LIGHT COURT
RAMP DOWN TO BASEMENT
RM 100
BIO-HAZ
BAGS
SERVICE CORRIDOR
PUBLIC ELEVATORS
MEN'S TOILET
WOMEN'S TOILET
LOW CEILING
STAIR #1
EXIT CORRIDOR
PASSAGE
CORRIDOR
LOGGIA
BUILDING LINE
SC-12-29-03
SC-12-15-21
SC-12-15-22
SC-12-14-19
SC-12-14-20
SC-12-15-25
SC-12-15-26
SC-12-15-23
SC-12-15-24
SC-12-29-26
SC-12-29-02
SC-12-13-04
DH-12-14-01
DH-12-28-01
1*
2*
NOTES / EXISTING WALL MATERIALS LEGEND
1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.
EXISTING CONCRETE WALL / COLUMN
CONCRETE BLOCK WALL WITH PLASTER FINISH
AIR SAMPLES BY PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS
AIR SAMPLES FOR LEAD
MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
WIPE SAMPLES FOR LEAD BY NIOSH 7082
AIR-O-CELLO CASSETTE ANALYSIS
MATERIAL SAMPLE ANALYSES FOR LEAD
ADDITION ASBESTOS AND LEAD BULK SAMPLES
Nadel Architects Inc.
COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE
EXISTING FIRST FLOOR PLAN
EXISTING FIRST FLOOR PLAN
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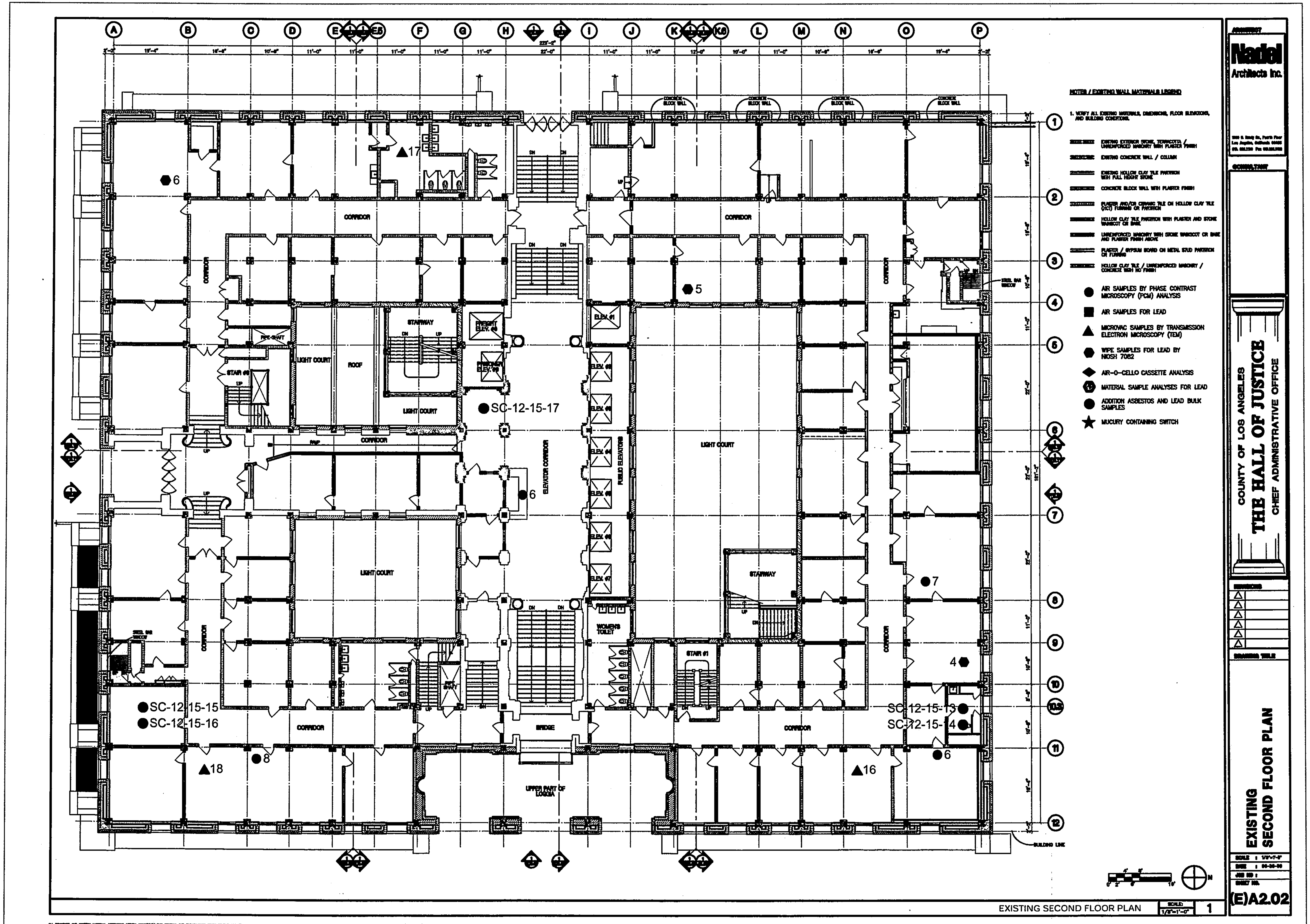

NOTES / EXISTING WALL MATERIALS LEGEND
1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.
EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
EXISTING CONCRETE WALL / COLUMN
EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
CONCRETE BLOCK WALL WITH PLASTER FINISH
PLASTER AND/OR CERAMIC TILE ON HOLLOW CLAY TILE (HCT) FURRING OR PARTITION
HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
AIR SAMPLES BY PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS
AIR SAMPLES FOR LEAD
MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
WIPE SAMPLES FOR LEAD BY NIOSH 7082
AIR-O-CELLO CASSETTE ANALYSIS
MATERIAL SAMPLE ANALYSES FOR LEAD
ADDITION ASBESTOS AND LEAD BULK SAMPLES
MUCURY CONTAINING SWITCH
CORRIDOR
LIGHT COURT
ROOF
STAIRWAY
LIGHT COURT
ELEVATOR CORRIDOR
PUBLIC ELEVATORS
WOMEN'S TOILET
STAIR #1
BRIDGE
UPPER PART OF LOGGIA
BUILDING LINE
SC-12-15-17
SC-12-15-15
SC-12-15-16
SC-12-15-13
SC-12-15-14
17
6
5
6
7
4
6
18
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16
Nadel Architects Inc.
COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE
EXISTING SECOND FLOOR PLAN
(E)A2.02
EXISTING SECOND FLOOR PLAN
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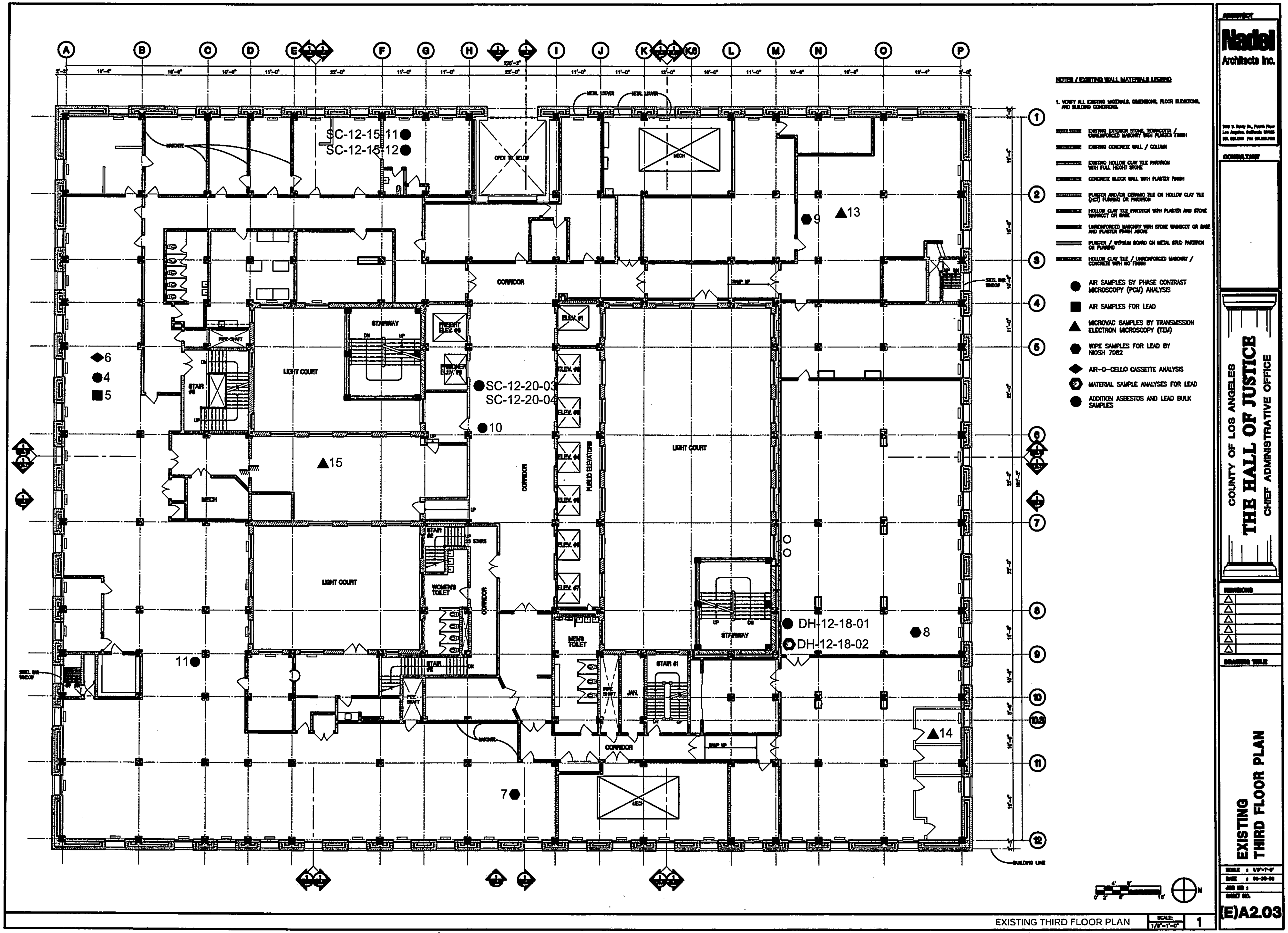

SC-12-15-11
SC-12-15-12
OPEN TO BELOW
MECH
CORRIDOR
STAIRWAY
LIGHT COURT
ELEV. #1
PUBLIC ELEVATORS
6
4
5
SC-12-20-03
SC-12-20-04
10
9
13
15
MECH
WOMEN'S TOILET
MEN'S TOILET
STAIR #1
JAN.
DH-12-18-01
DH-12-18-02
8
11
14
7
BUILDING LINE
NOTES / EXISTING WALL MATERIALS LEGEND
1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.
EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
EXISTING CONCRETE WALL / COLUMN
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CONCRETE BLOCK WALL WITH PLASTER FINISH
PLASTER AND/OR CERAMIC TILE ON HOLLOW CLAY TILE (HCT) FURRING OR PARTITION
HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
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PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
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AIR SAMPLES FOR LEAD
MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
WIPE SAMPLES FOR LEAD BY NIOSH 7082
AIR-O-CELLO CASSETTE ANALYSIS
MATERIAL SAMPLE ANALYSES FOR LEAD
ADDITION ASBESTOS AND LEAD BULK SAMPLES
ARCHITECT
Nadel Architects Inc.
CONSULTANT
COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE
REVISIONS
DRAWING TITLE
EXISTING THIRD FLOOR PLAN
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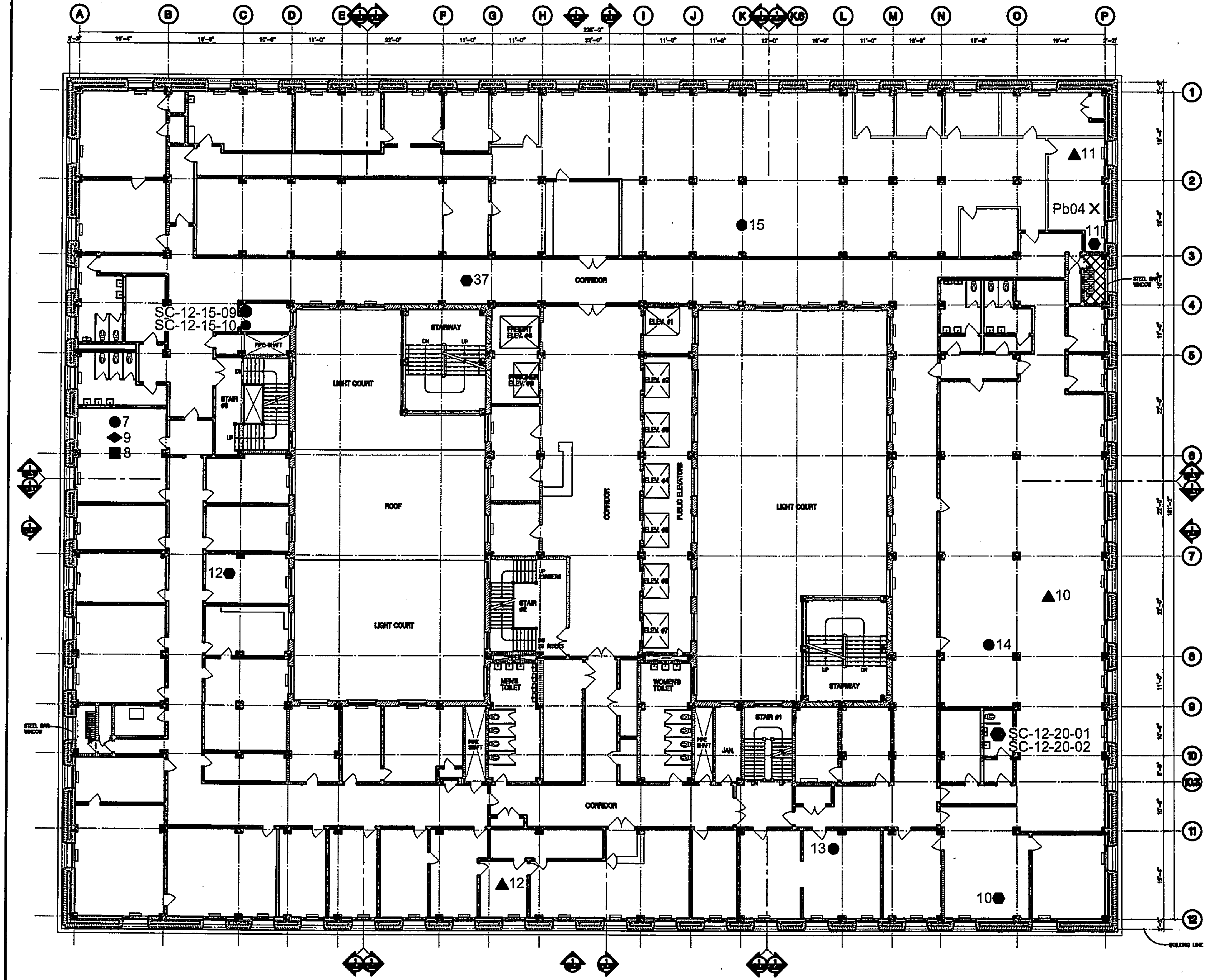

NOTES / EXISTING WALL MATERIALS LEGEND

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ARCHITECT

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CONSULTANT

COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE

REVISIONS

DRAWING TITLE

EXISTING FOURTH FLOOR PLAN

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SHEET NO.

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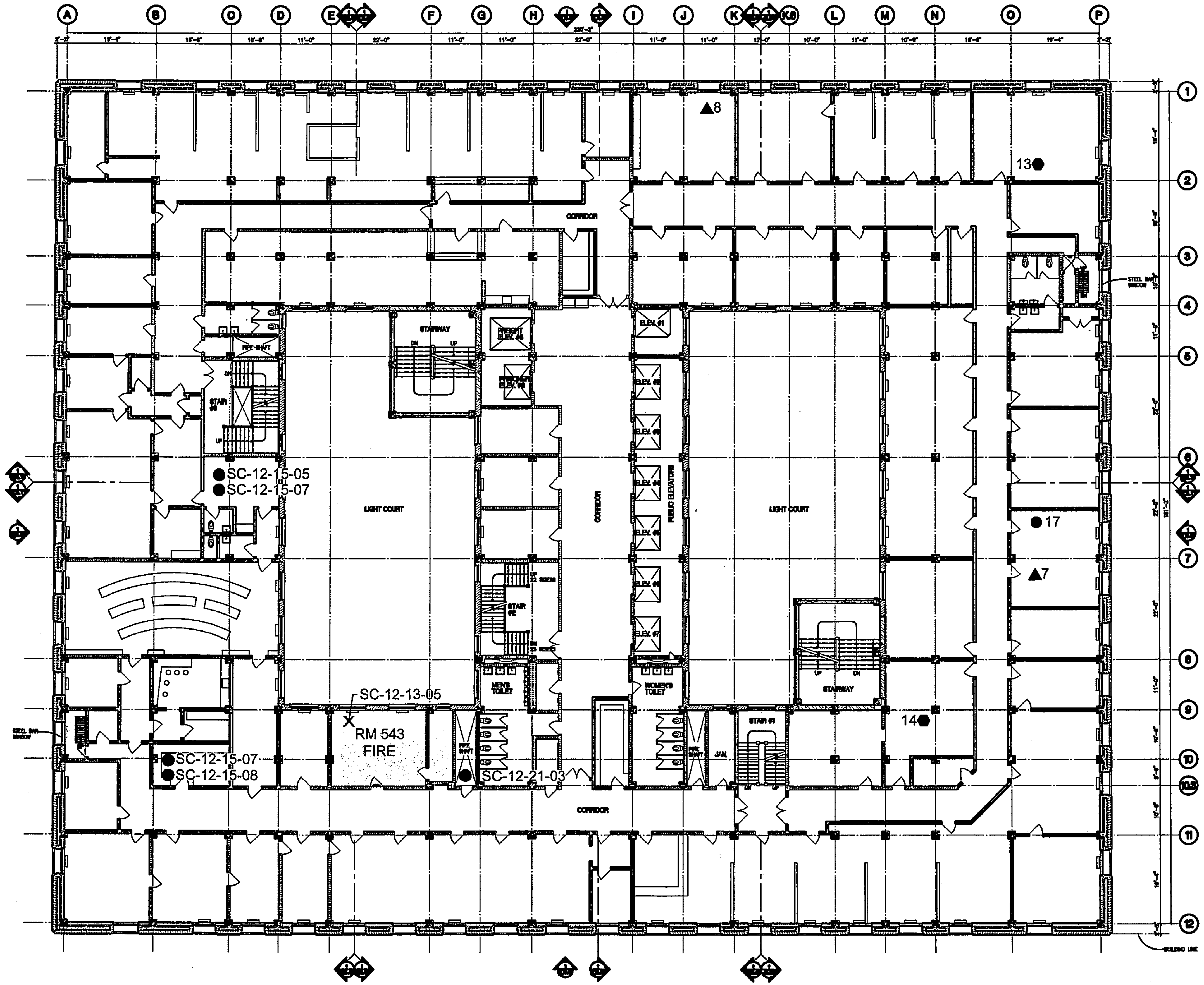

NOTES / EXISTING WALL MATERIALS LEGEND

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- ⬡ MATERIAL SAMPLE ANALYSES FOR LEAD
- ● ADDITION ASBESTOS SAMPLES
- X SAMPLES FOR OTHER ANALYSIS

EXISTING FIFTH FLOOR PLAN 1

ARCHITECT
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COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE

REVISIONS

DRAWING TITLE
EXISTING FIFTH FLOOR PLAN

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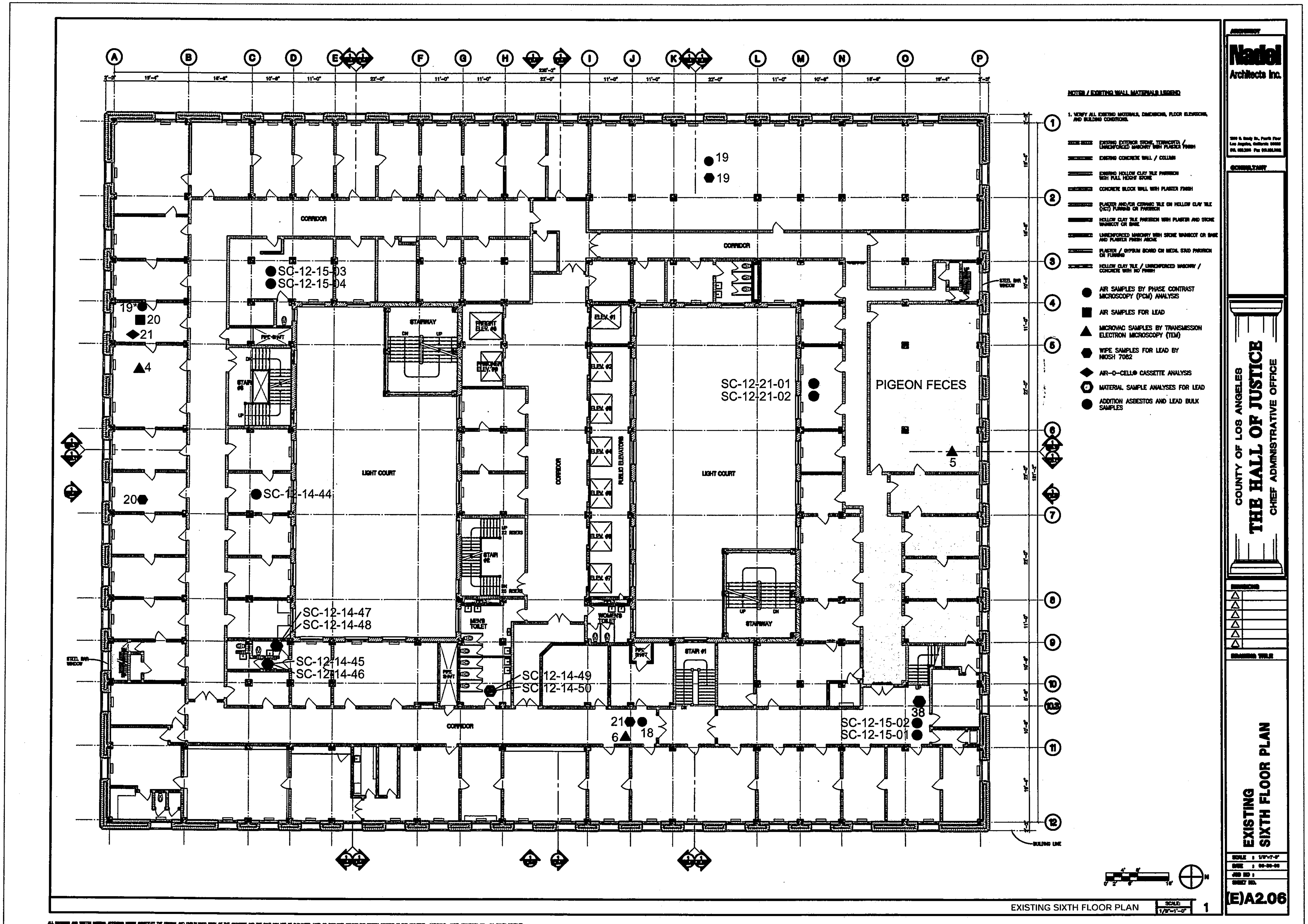

A B C D E F G H I J K L M N O P
CORRIDOR
CORRIDOR
CORRIDOR
LIGHT COURT
LIGHT COURT
CORRIDOR
PUBLIC ELEVATORS
STAIRWAY
STAIRWAY
STAIR #1
MEN'S TOILET
WOMEN'S TOILET
PIGEON FECES
19
19
SC-12-15-03
SC-12-15-04
19*
20
21
4
20
SC-12-14-44
SC-12-21-01
SC-12-21-02
5
SC-12-14-47
SC-12-14-48
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SC-12-14-46
SC-12-14-49
SC-12-14-50
21
18
6
38
SC-12-15-02
SC-12-15-01
STEEL BAR WINDOW
BUILDING LINE
NOTES / EXISTING WALL MATERIALS LEGEND
1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.
EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
EXISTING CONCRETE WALL / COLUMN
EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
CONCRETE BLOCK WALL WITH PLASTER FINISH
PLASTER AND/OR CERAMIC TILE ON HOLLOW CLAY TILE (HCT) FURRING OR PARTITION
HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
AIR SAMPLES BY PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS
AIR SAMPLES FOR LEAD
MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
WIPE SAMPLES FOR LEAD BY NIOSH 7082
AIR-O-CELL® CASSETTE ANALYSIS
MATERIAL SAMPLE ANALYSES FOR LEAD
ADDITION ASBESTOS AND LEAD BULK SAMPLES
Nadel Architects Inc.
COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE
EXISTING SIXTH FLOOR PLAN
EXISTING SIXTH FLOOR PLAN
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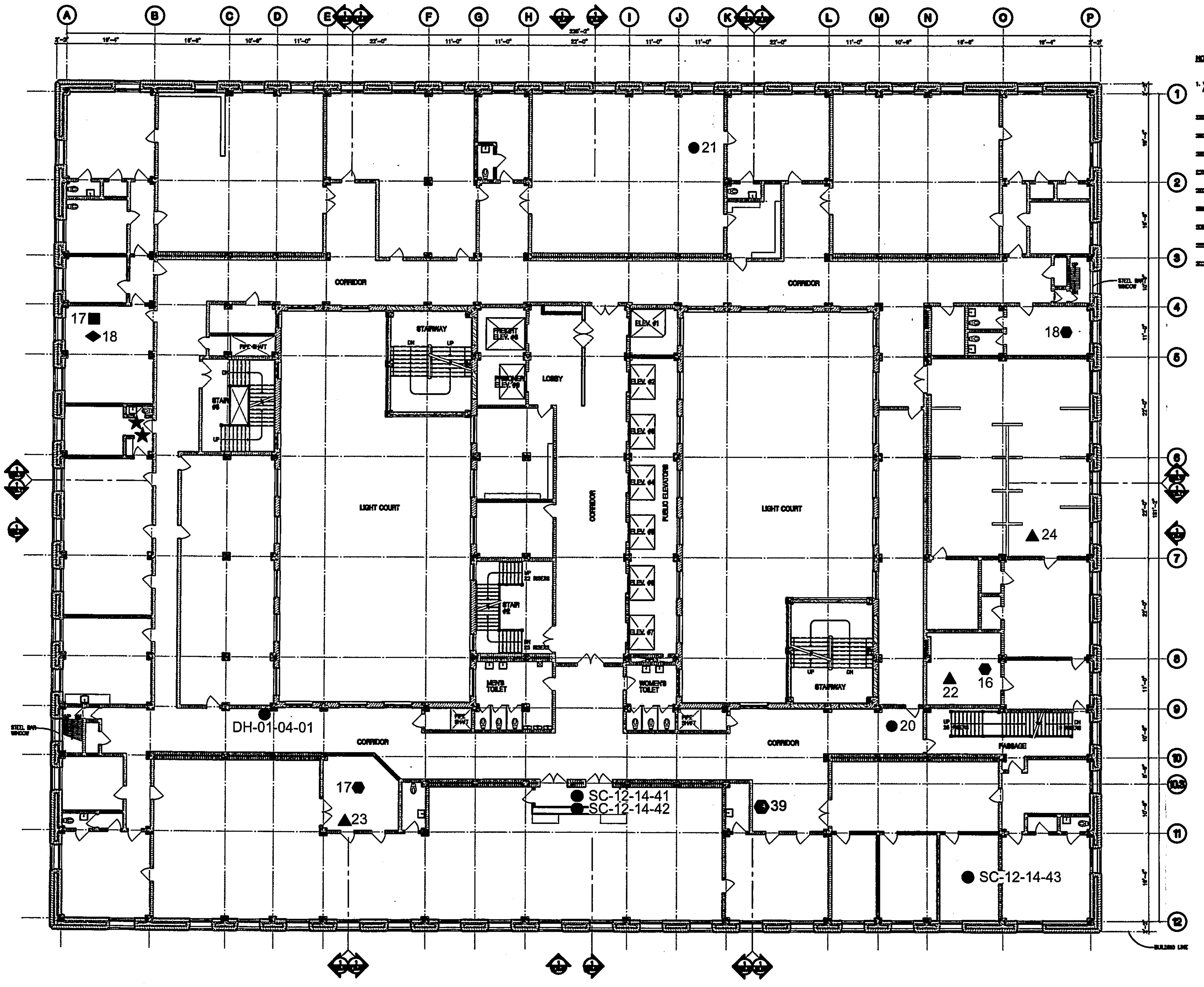
(E)A2.06



NOTES / EXISTING WALL MATERIALS LEGEND

1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.

- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
- EXISTING CONCRETE WALL / COLUMN
- EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
- CONCRETE BLOCK WALL WITH PLASTER FINISH
- PLASTER AND/OR CERAMIC TILE ON HOLLOW CLAY TILE (HCT) FURRING OR PARTITION
- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH

- ● AIR SAMPLES BY PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS
- ■ AIR SAMPLES FOR LEAD
- ▲ MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
- ⬢ WIPE SAMPLES FOR LEAD BY NIOSH 7082
- ◆ AIR-O-CELL® CASSETTE ANALYSIS
- MATERIAL SAMPLE ANALYSES FOR LEAD
- ● ADDITION ASBESTOS AND LEAD BULK SAMPLES
- ★ MUCURY CONTAINING SWITCH

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REVISIONS

DRAWING TITLE

EXISTING SEVENTH FLOOR PLAN

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

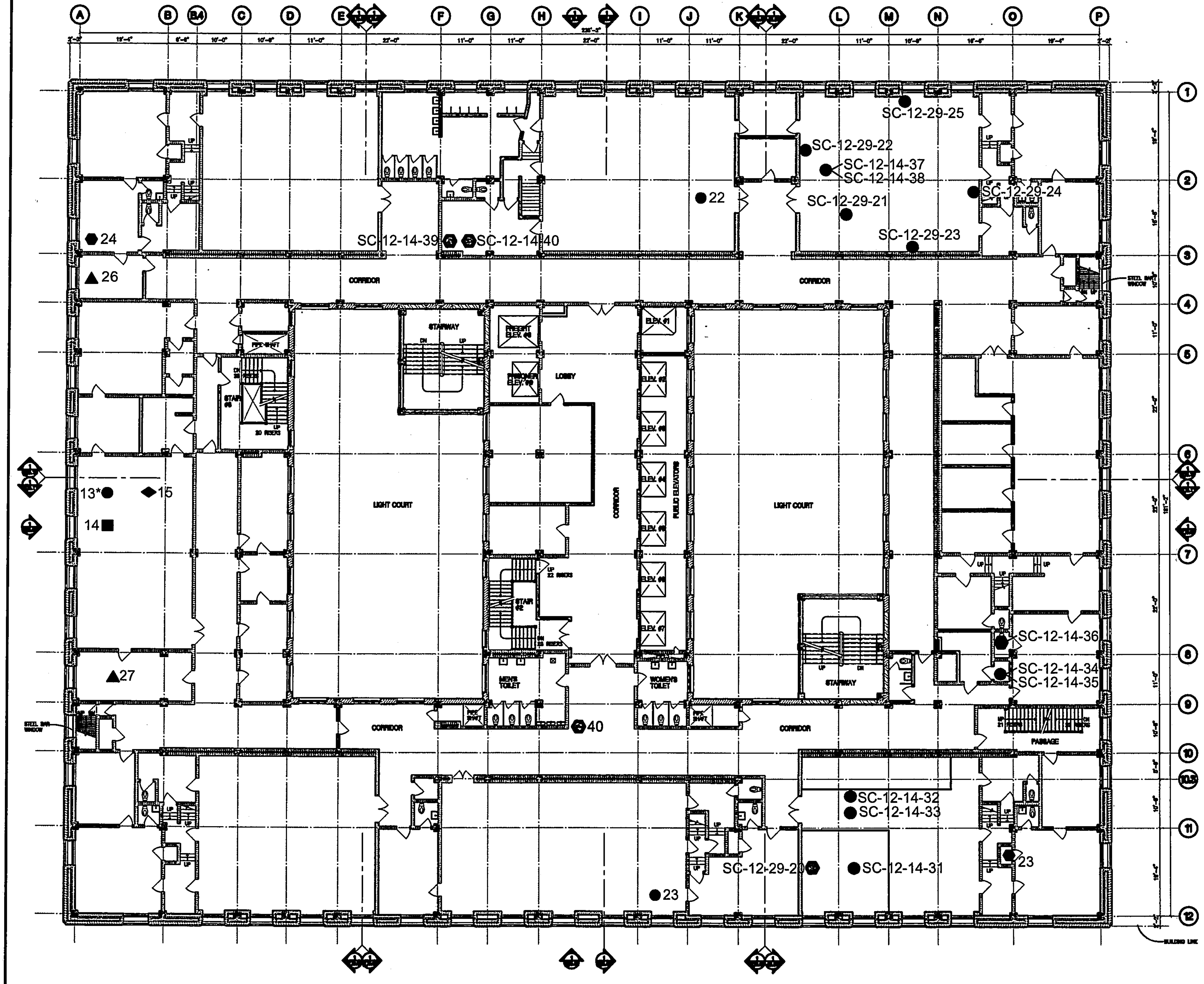
DATE :

JOB NO :

SHEET NO.

(E)A2.07

EXISTING SEVENTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1



NOTES / EXISTING WALL MATERIALS LEGEND

1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.

- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
- EXISTING CONCRETE WALL / COLUMN
- EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
- CONCRETE BLOCK WALL WITH PLASTER FINISH
- PLASTER AND/OR CERAMIC TILE ON HOLLOW CLAY TILE (HCT) FURRING OR PARTITION
- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH

- ● AIR SAMPLES BY PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS
- ■ AIR SAMPLES FOR LEAD
- ▲ MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
- ⬢ WIPE SAMPLES FOR LEAD BY NIOSH 7082
- ◆ AIR-O-CELL® CASSETTE ANALYSIS
- MATERIAL SAMPLE ANALYSES FOR LEAD
- ● ADDITION ASBESTOS AND LEAD BULK SAMPLES

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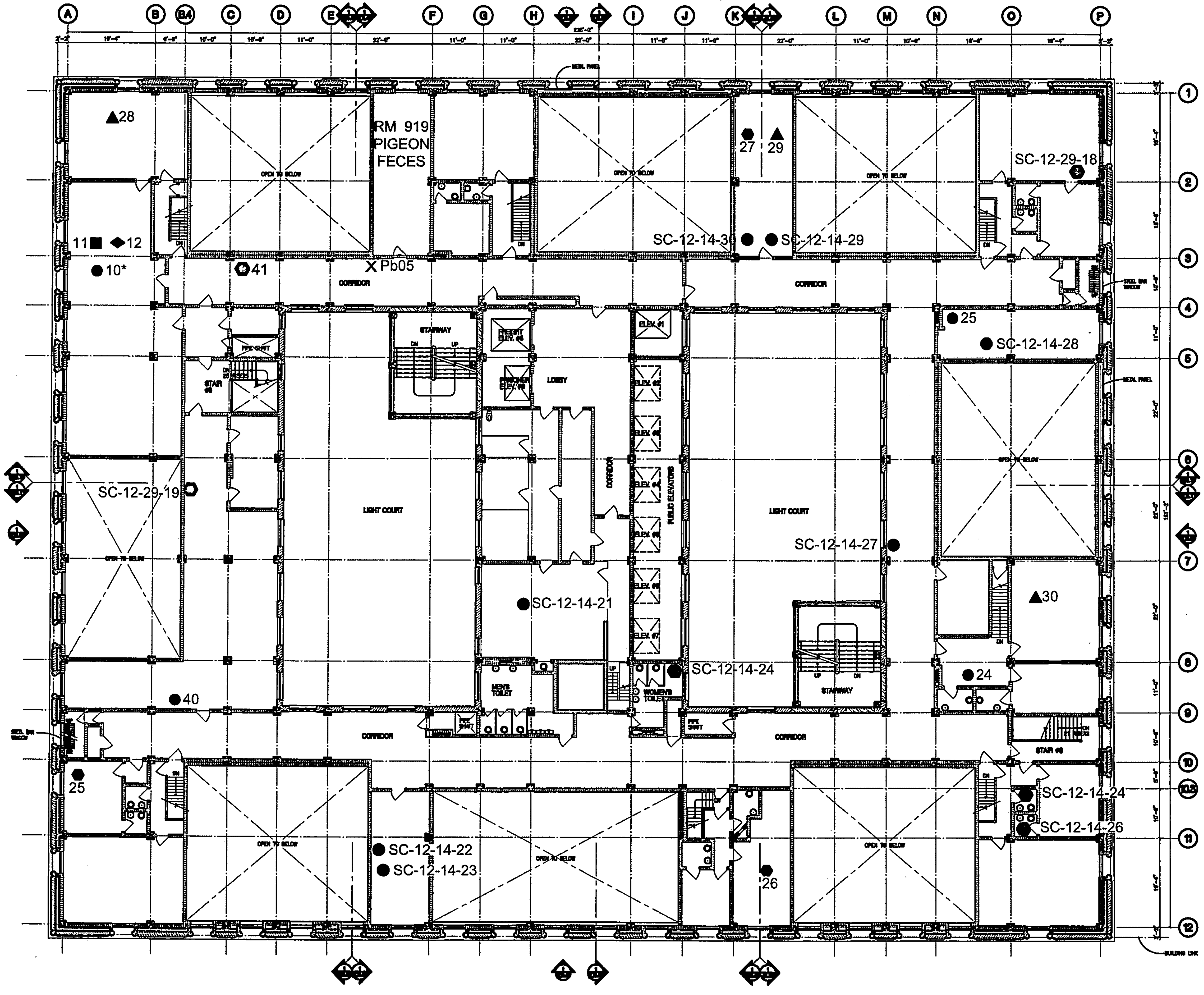
DRAWING TITLE
EXISTING EIGHTH FLOOR PLAN

SCALE : 1/8"=1'-0"
JOB NO :
SHEET NO.
(E)A2.08

EXISTING EIGHTH FLOOR PLAN | SCALE 1/8"=1'-0" | 1



NOTES / EXISTING WALL MATERIALS LEGEND

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- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
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- EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
- CONCRETE BLOCK WALL WITH PLASTER FINISH
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- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
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- MATERIAL SAMPLE ANALYSES FOR LEAD
- ● ADDITION ASBESTOS SAMPLES
- X SAMPLES FOR OTHER ANALYSIS

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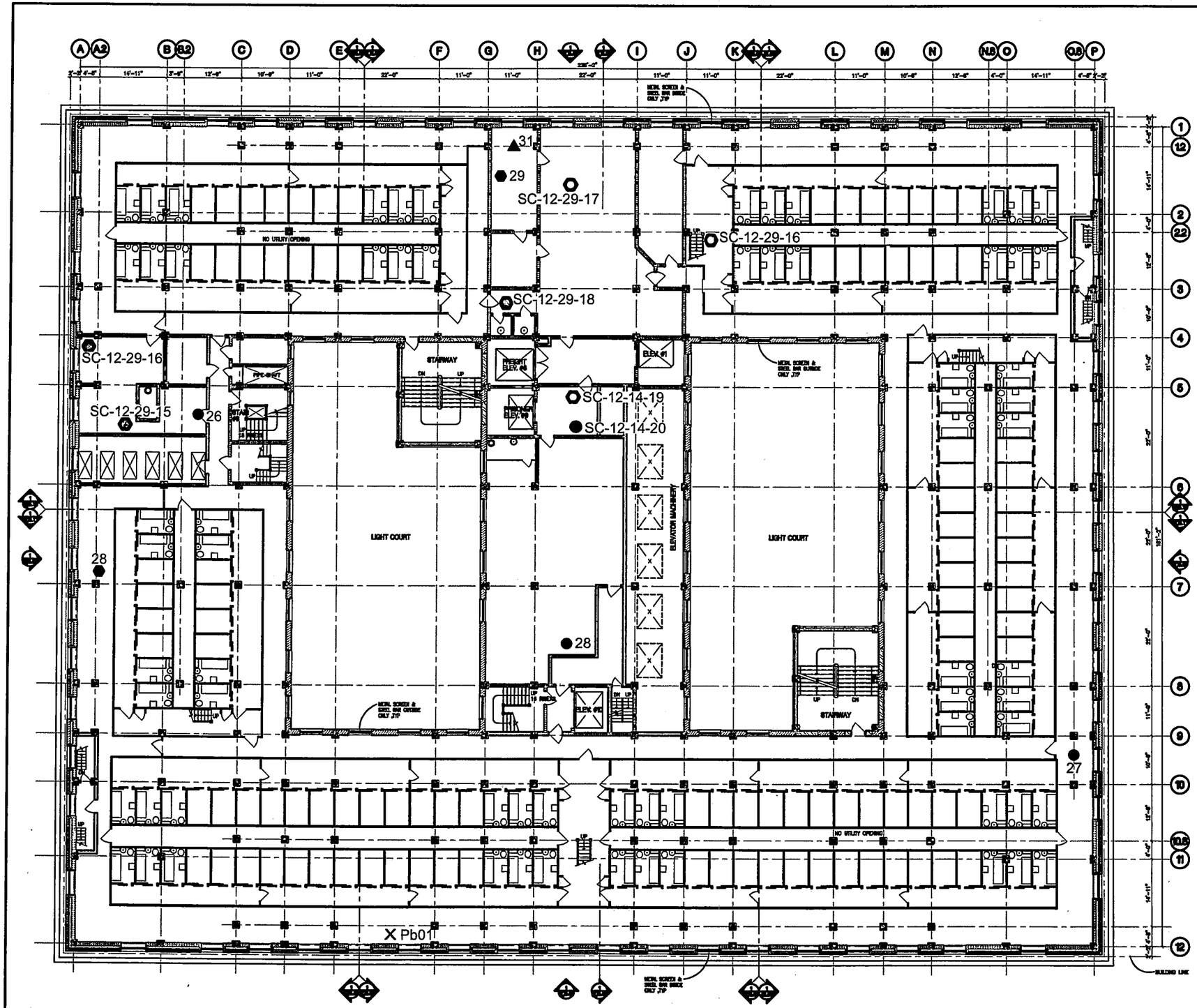
EXISTING NINTH FLOOR PLAN

EXISTING NINTH FLOOR PLAN | SCALE 1/8"=1'-0" | 1

(E)A2.09



EXISTING TENTH FLOOR PLAN — SCALE: 1/8"=1'-0" — 1

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COUNTY OF LOS ANGELES
CHIEF ADMINISTRATIVE OFFICE

THE HALL OF JUSTICE

EXISTING TENTH FLOOR PLAN

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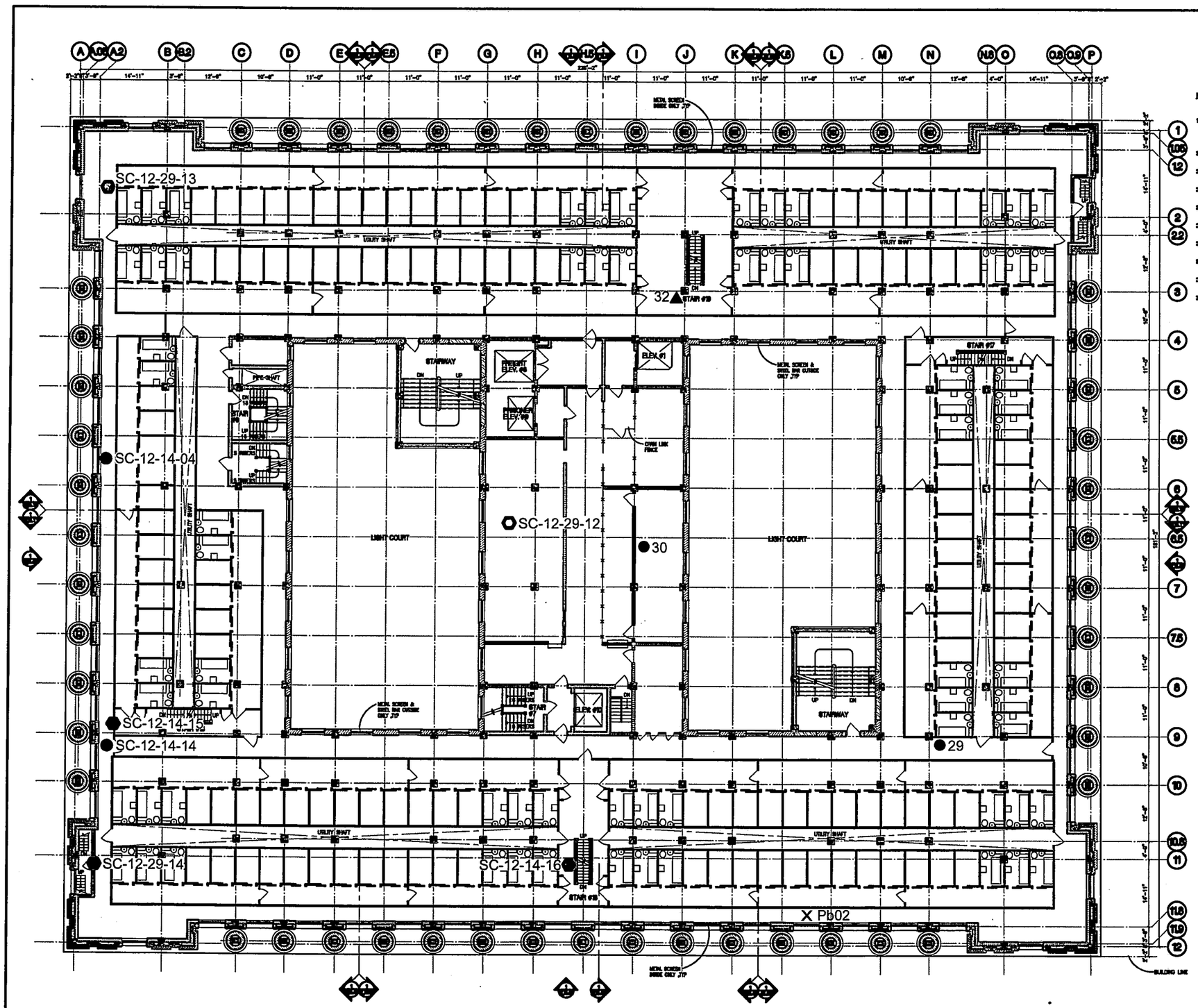

NOTES / EXISTING WALL MATERIALS LEGEND

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- MATERIAL SAMPLE ANALYSES FOR LEAD
- ADDITION ASBESTOS SAMPLES
- SAMPLES FOR OTHER ANALYSIS

EXISTING ELEVENTH FLOOR PLAN — SCALE 1/8"=1'-0" — 1

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EXISTING ELEVENTH FLOOR PLAN

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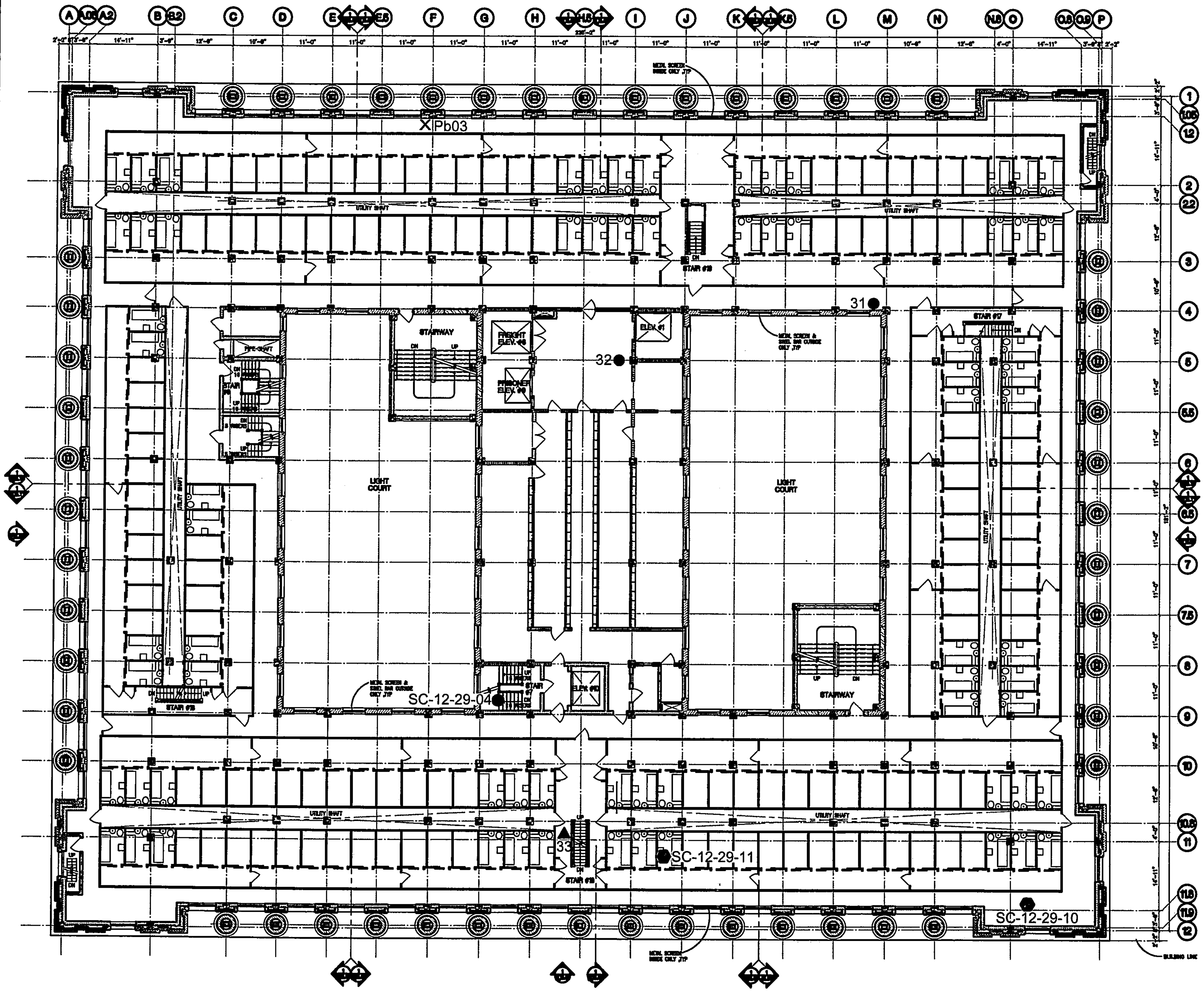
DATE : 06-06-06
JOB NO :
SHEET NO.
(E)A2.11



NOTES / EXISTING WALL MATERIALS LEGEND

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- MATERIAL SAMPLE ANALYSES FOR LEAD
- ● ADDITION ASBESTOS SAMPLES
- X SAMPLES FOR OTHER ANALYSIS

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DRAWING TITLE
EXISTING TWELFTH FLOOR PLAN

SHEET NO.
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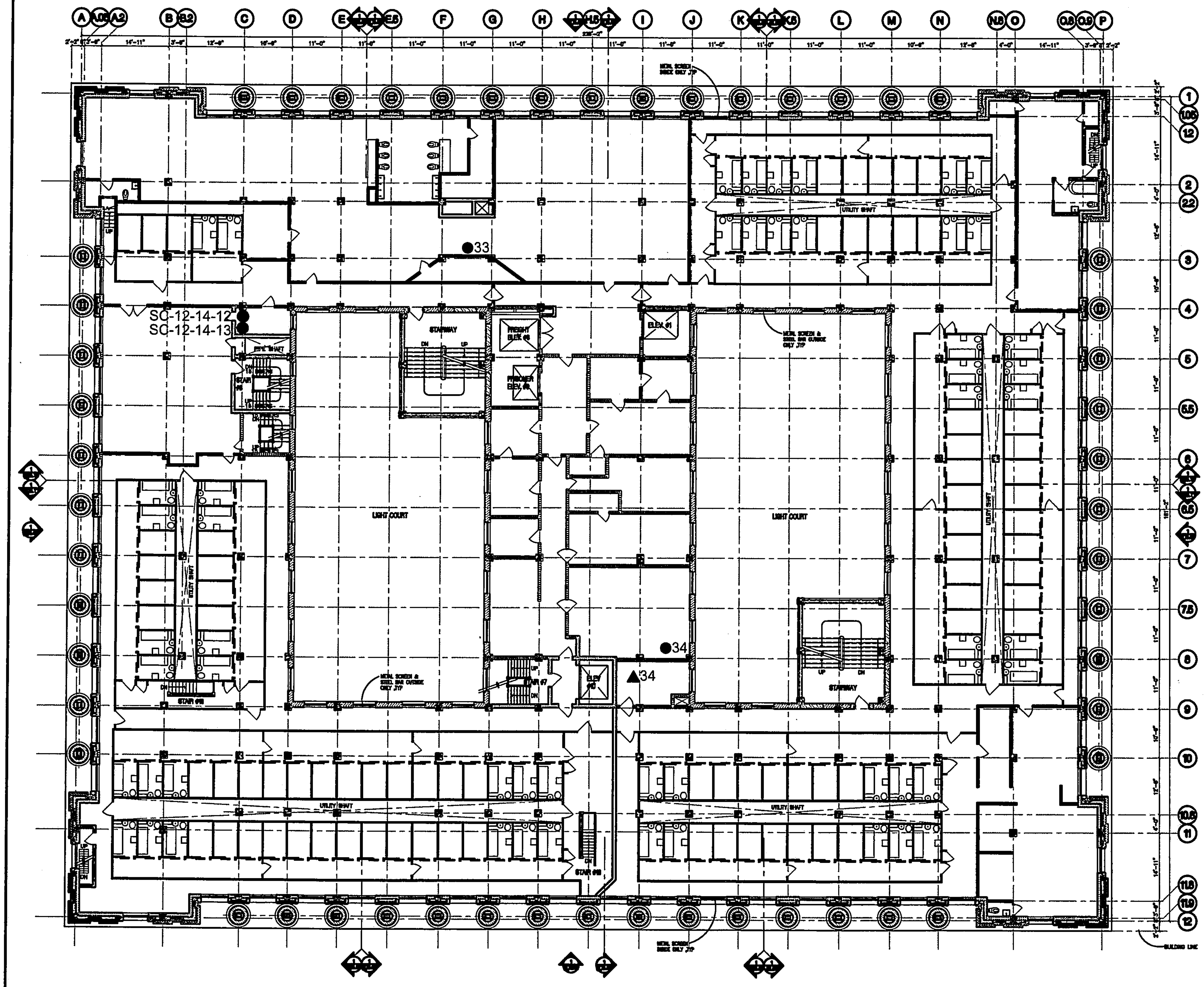
EXISTING TWELFTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1



NOTES / EXISTING WALL MATERIALS LEGEND

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- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
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- EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
- CONCRETE BLOCK WALL WITH PLASTER FINISH
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- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
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- ADDITION ASBESTOS SAMPLES

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DRAWING TITLE
EXISTING THIRTEENTH FLOOR PLAN

SCALE: 1/8"=1'-0"
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JOB NO.:
SHEET NO.
(E)A2.13

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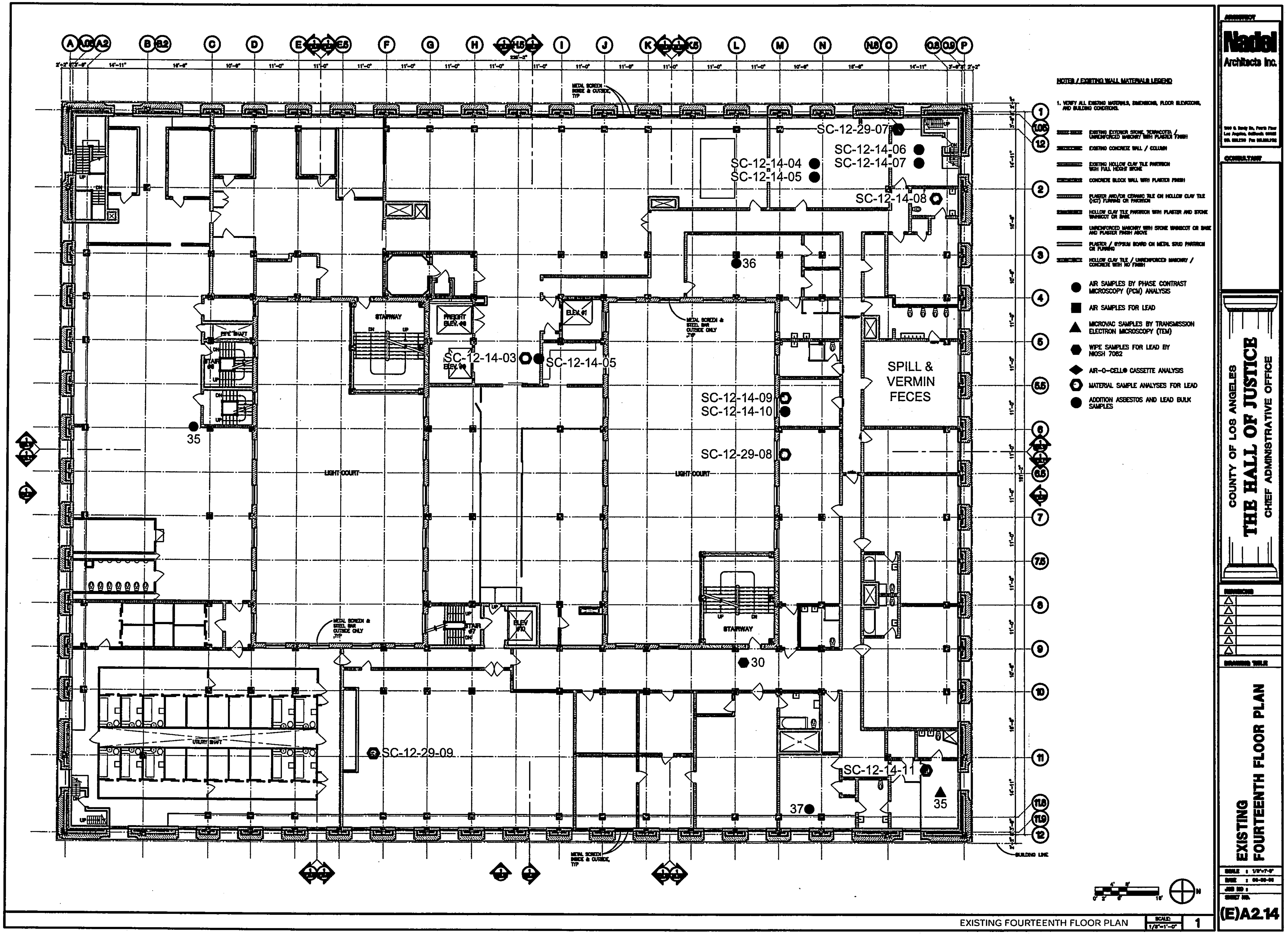

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STAIRWAY
SC-12-14-03
SC-12-14-05
SPILL &
VERMIN
FECES
SC-12-14-09
SC-12-14-10
35
SC-12-29-08
LIGHT COURT
LIGHT COURT
STAIRWAY
30
SC-12-29-09
SC-12-14-11
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37
NOTES / EXISTING WALL MATERIALS LEGEND
AIR SAMPLES BY PHASE CONTRAST MICROSCOPY (PCM) ANALYSIS
AIR SAMPLES FOR LEAD
MICROVAC SAMPLES BY TRANSMISSION ELECTRON MICROSCOPY (TEM)
WIPE SAMPLES FOR LEAD BY NIOSH 7082
AIR-O-CELL® CASSETTE ANALYSIS
MATERIAL SAMPLE ANALYSES FOR LEAD
ADDITION ASBESTOS AND LEAD BULK SAMPLES
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THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE
EXISTING FOURTEENTH FLOOR PLAN
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EXISTING FOURTEENTH FLOOR PLAN
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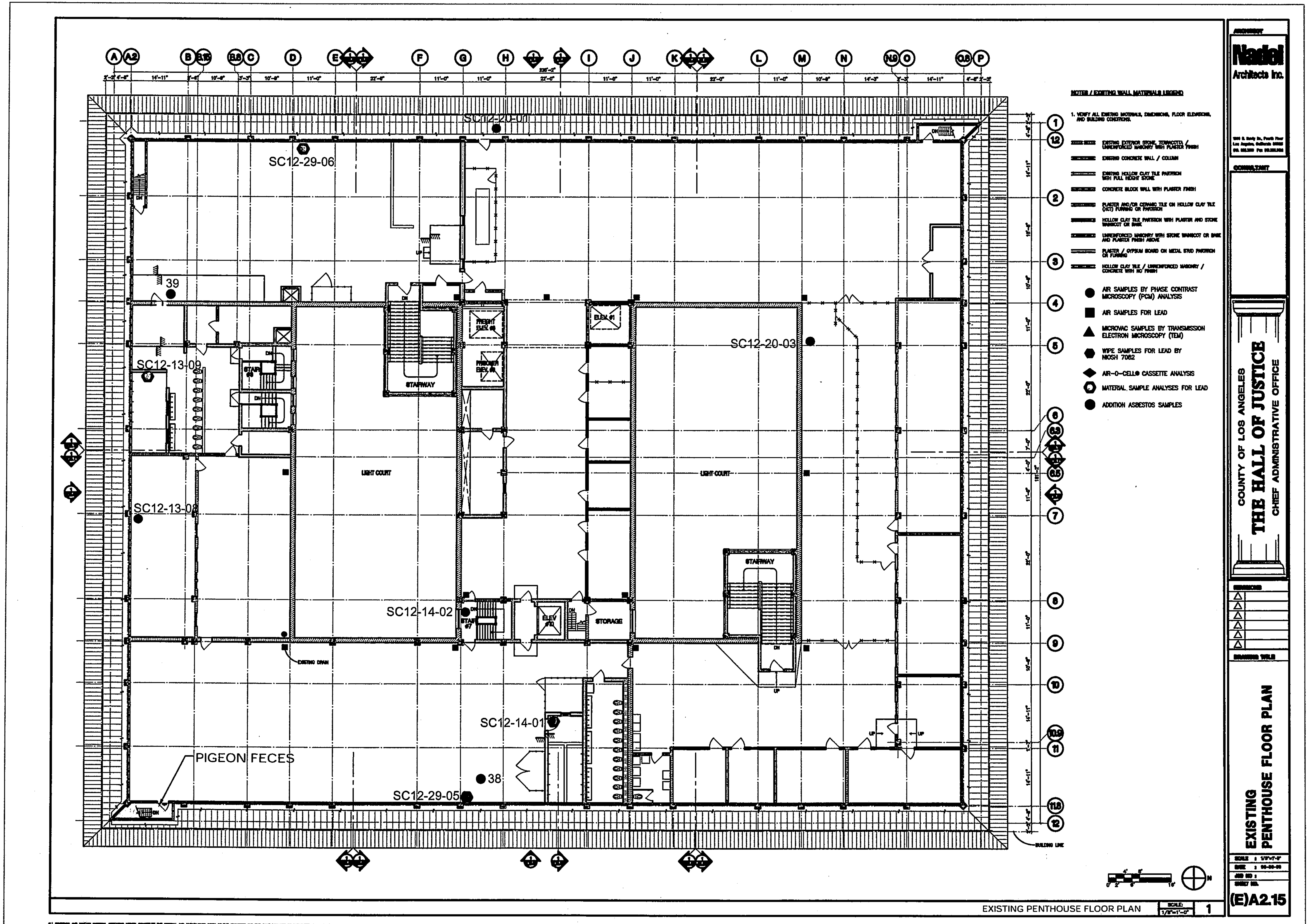

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SC12-13-09
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LIGHT COURT
STAIRWAY
STORAGE
SC12-14-02
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PIGEON FECES
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NOTES / EXISTING WALL MATERIALS LEGEND
1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.
EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
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AIR SAMPLES FOR LEAD
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MATERIAL SAMPLE ANALYSES FOR LEAD
ADDITION ASBESTOS SAMPLES
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EXISTING PENTHOUSE FLOOR PLAN
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EXISTING PENTHOUSE FLOOR PLAN
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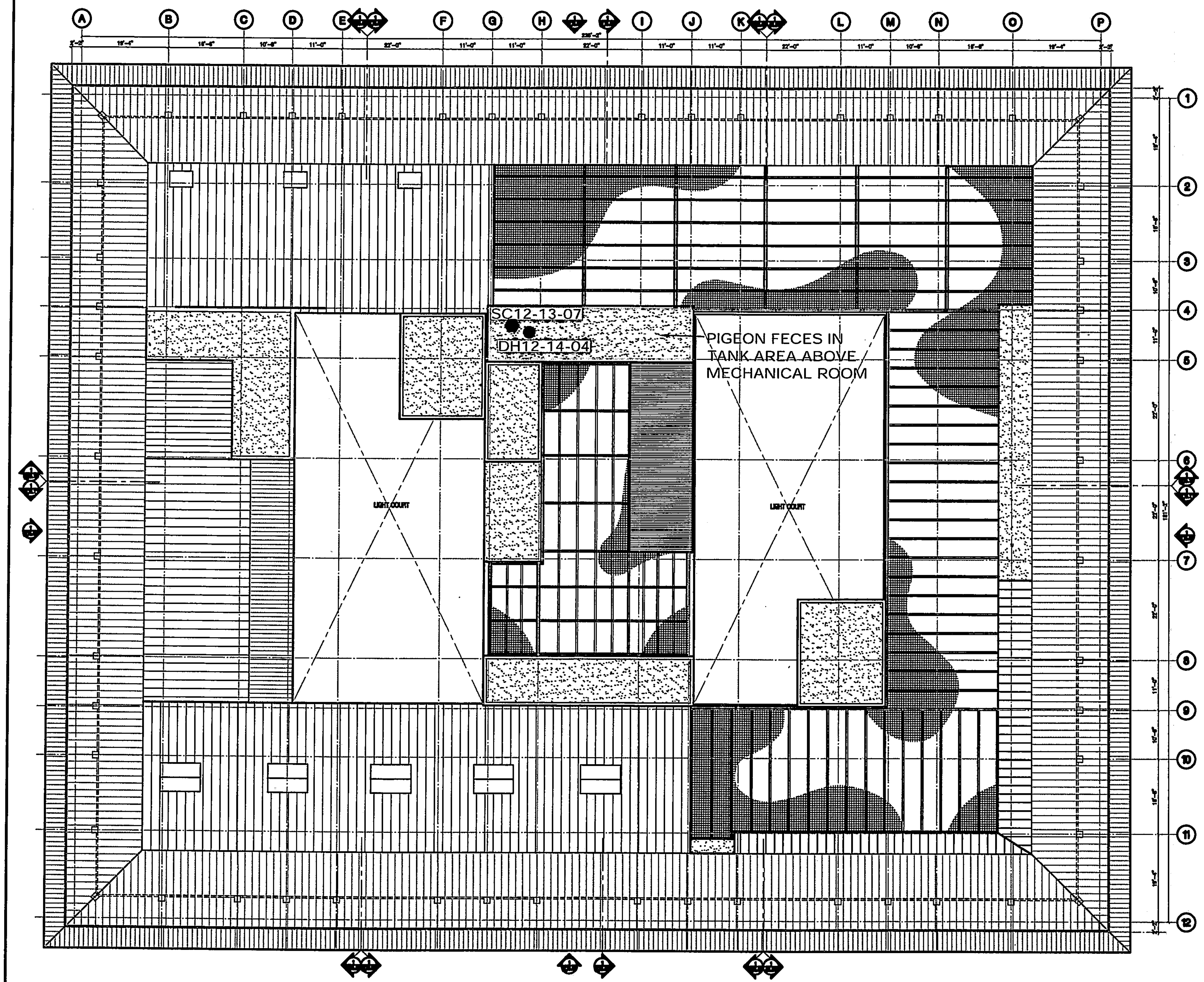

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EXISTING
ROOF PLAN

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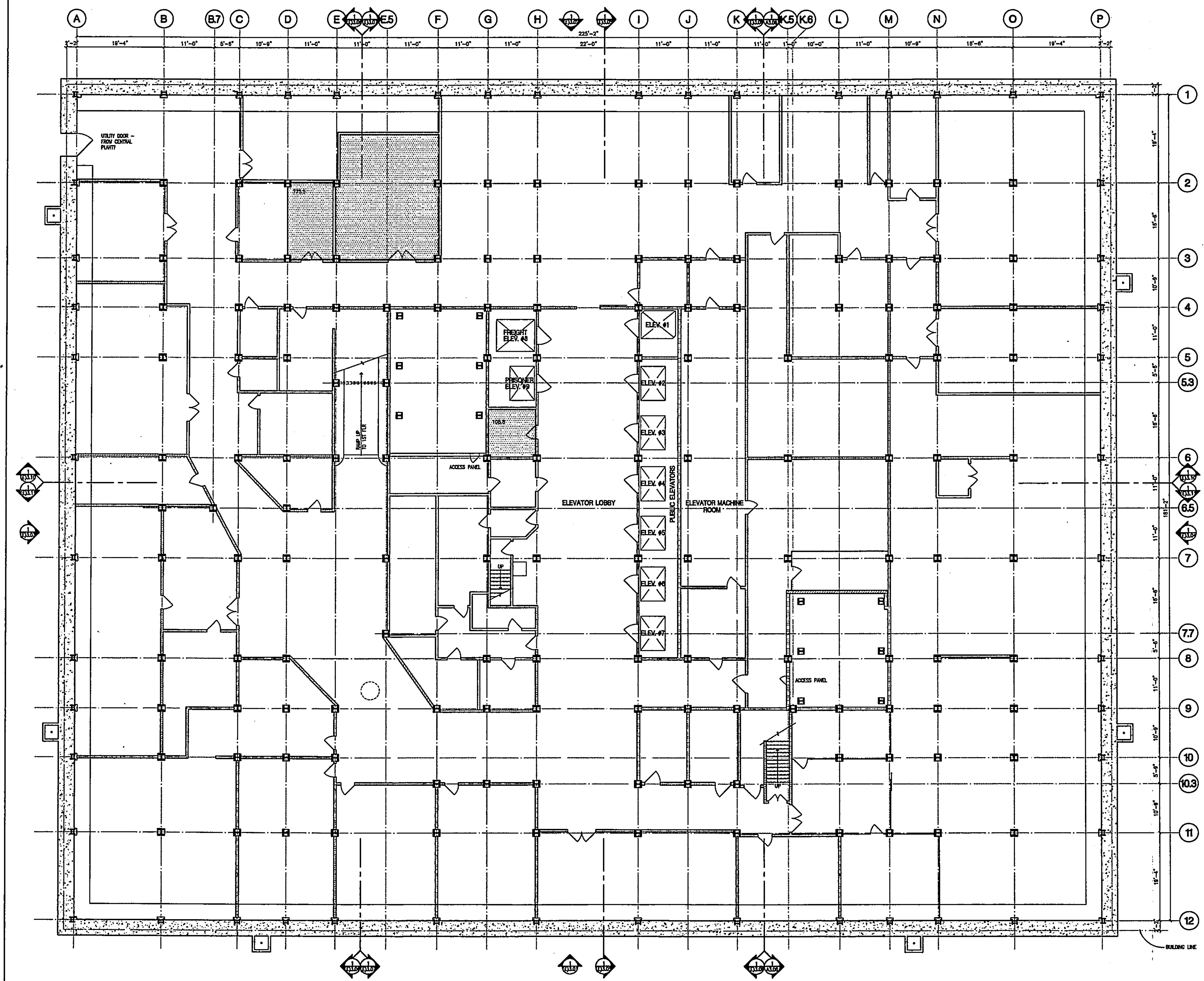
APPENDIX B

FIGURES WITH ASBESTOS-CONTAINING FLOORING MATERIALS



NOTES / EXISTING WALL MATERIALS LEGEND

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- CONCRETE BLOCK WALL WITH PLASTER FINISH
- PLASTER AND/OR CERAMIC TILE ON HOLLOW CLAY TILE (HCT) FURRING OR PARTITION
- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING BASEMENT FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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EXISTING BASEMENT FLOOR PLAN

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

DATE : 08-30-03

JOB NO :

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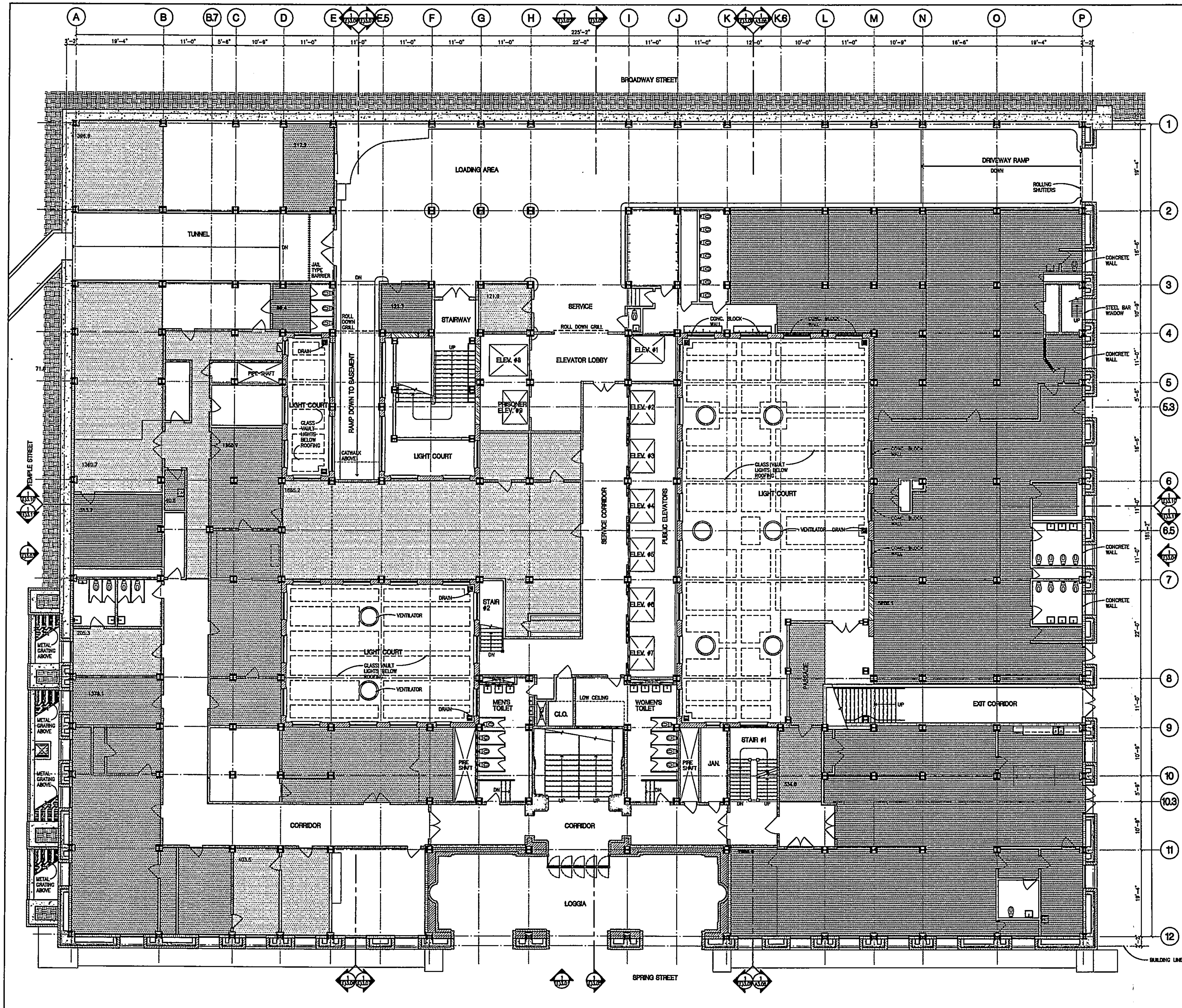

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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING FIRST FLOOR PLAN — SCALE: 1/8"=1'-0" — 1

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CHIEF ADMINISTRATIVE OFFICE

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DRAWING TITLE

EXISTING FIRST FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.

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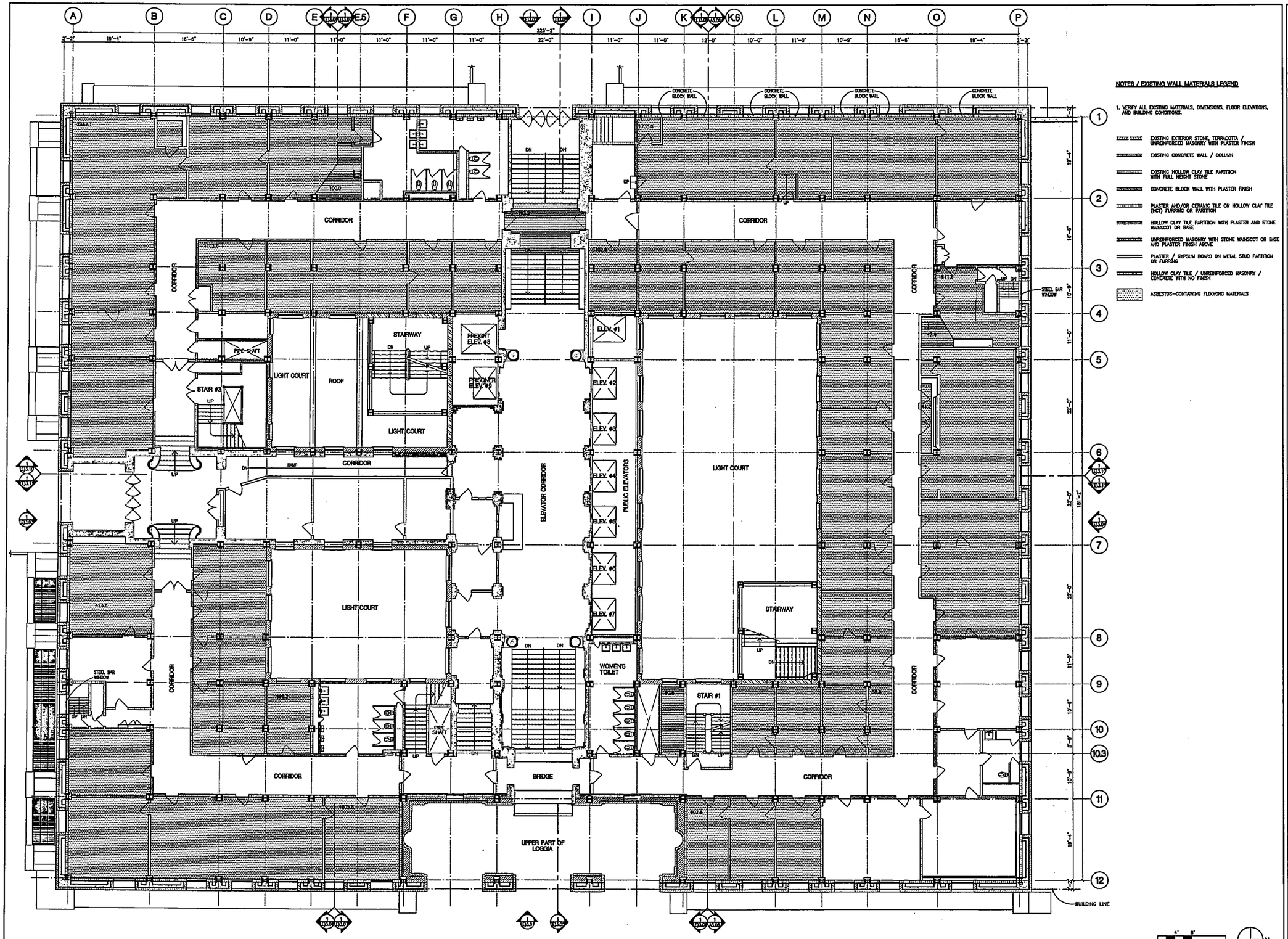

EXISTING SECOND FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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Architect

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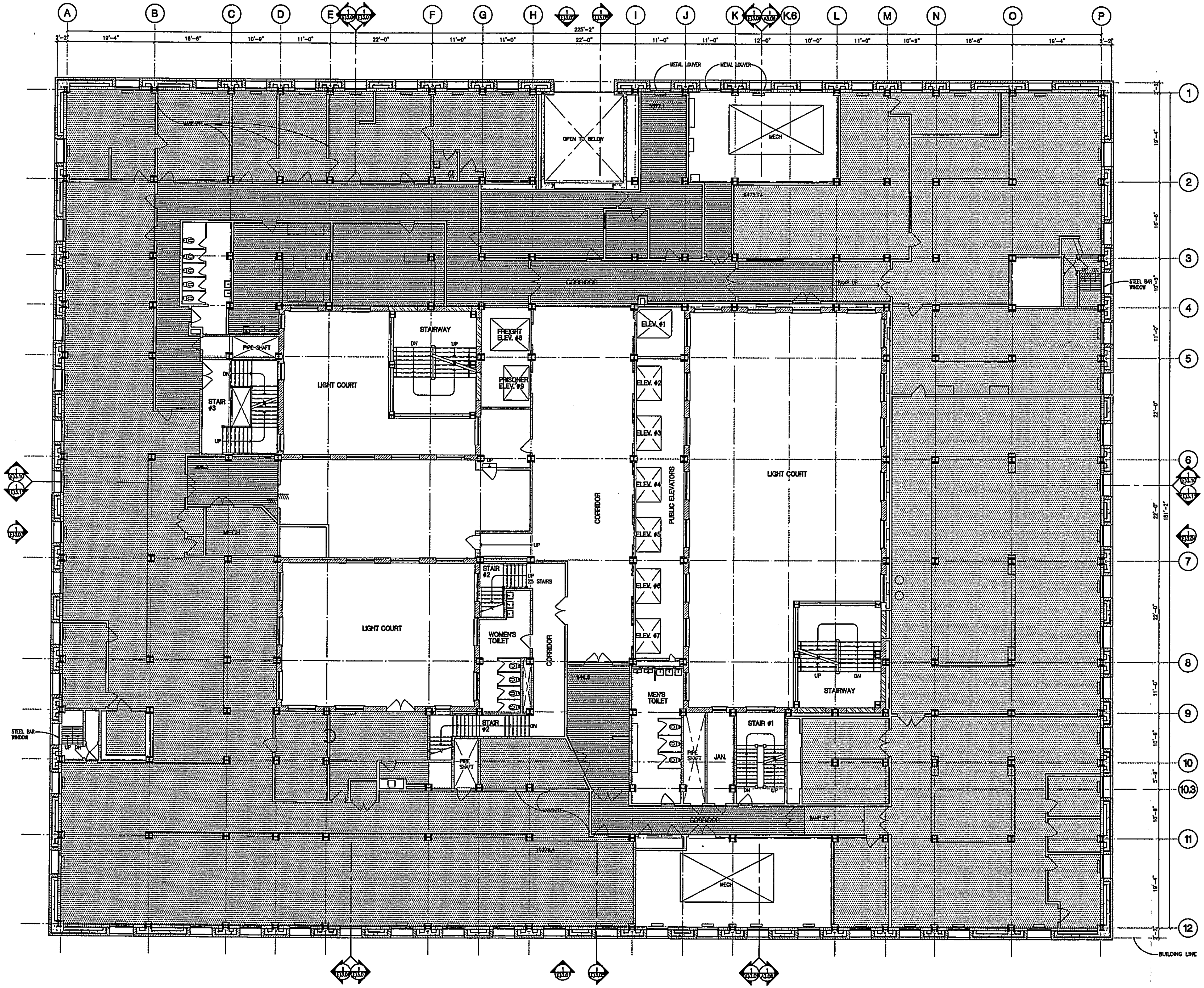

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- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING THIRD FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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REVISIONS

DRAWING TITLE

EXISTING THIRD FLOOR PLAN

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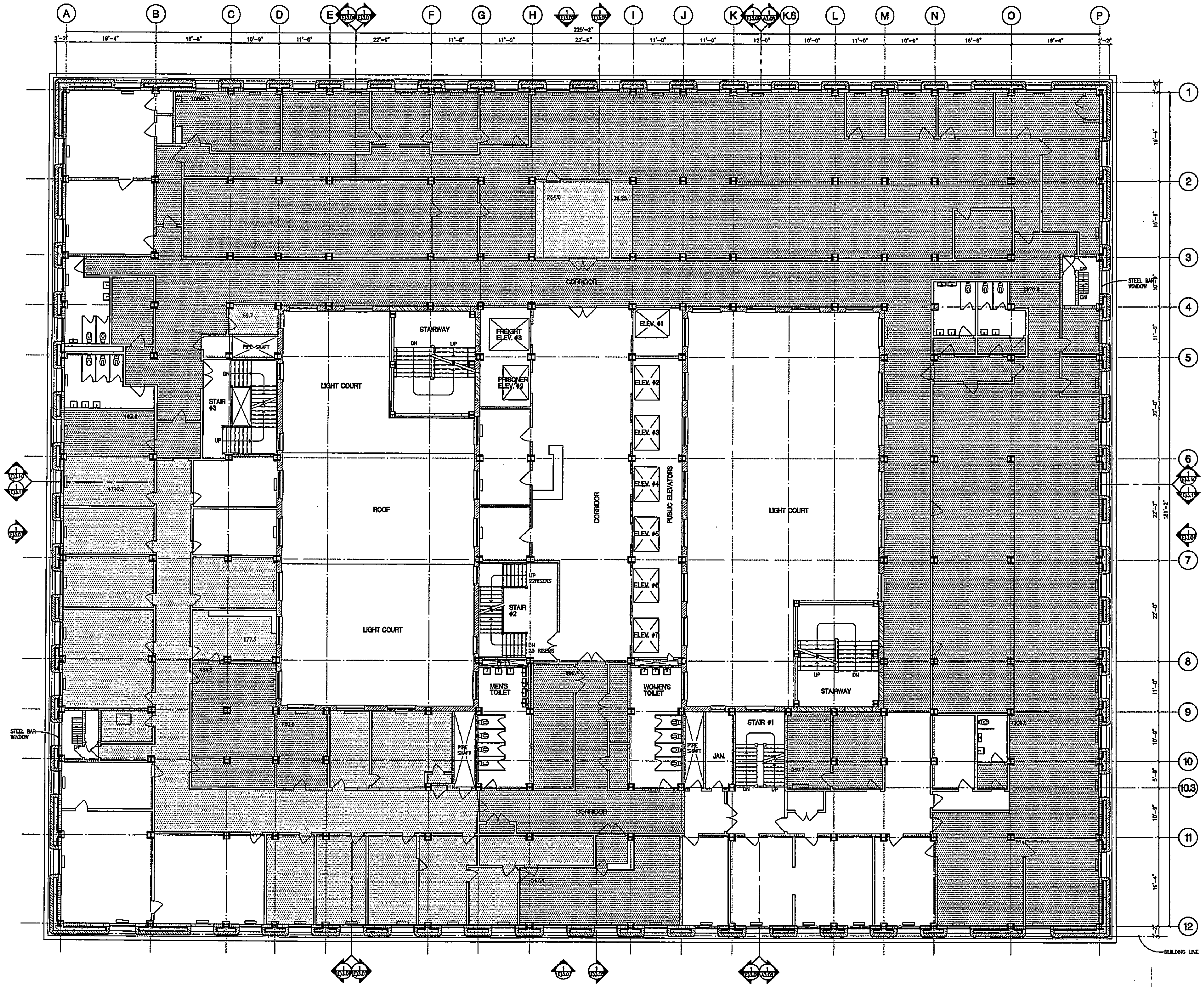

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- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING FOURTH FLOOR PLAN — SCALE: 1/8"=1'-0" — 1

ARCHITECT

Nadel Architects Inc.

1990 S. Bundy Dr., Fourth Floor
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CONSULTANT

COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
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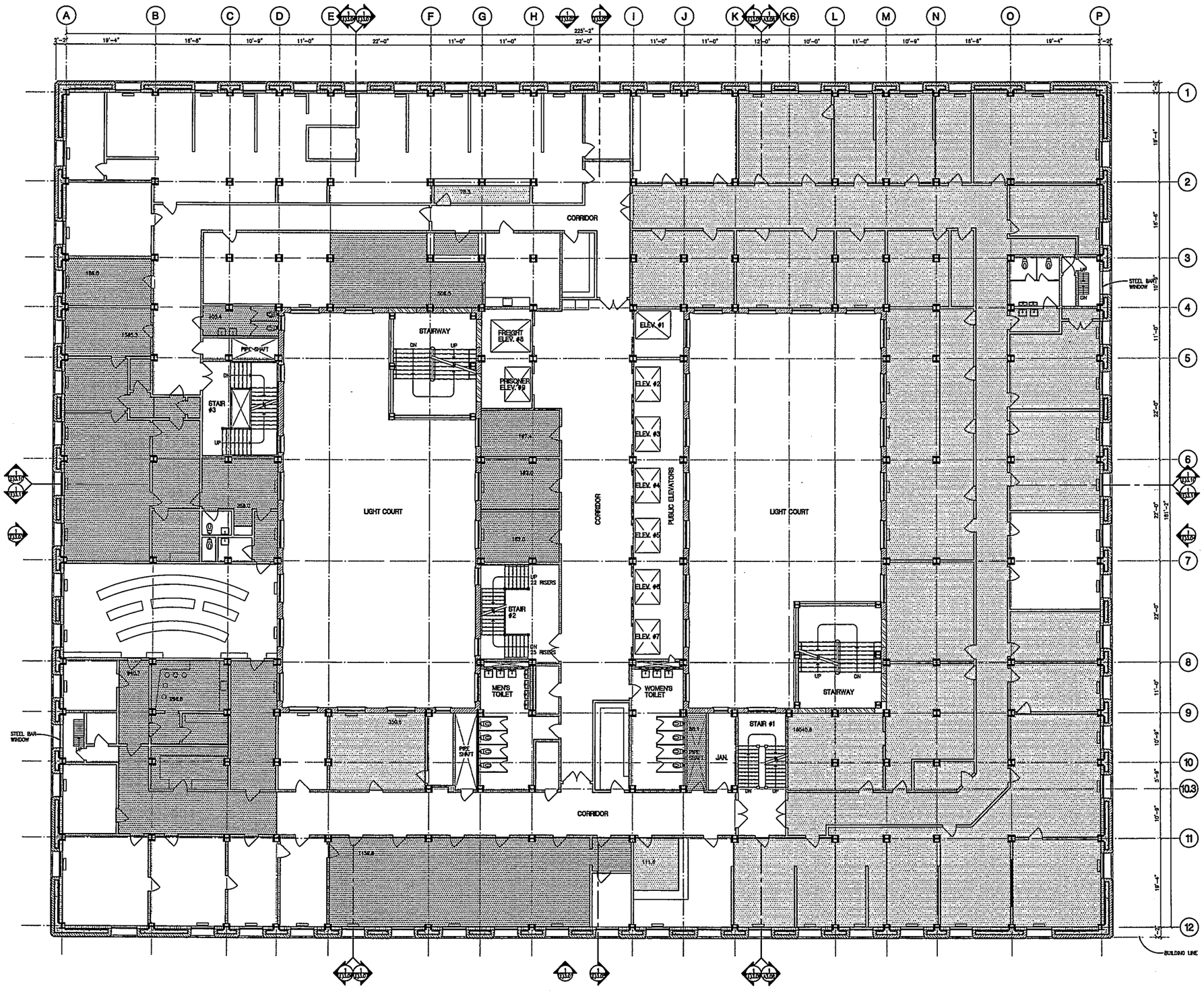
DRAWING TITLE

EXISTING FOURTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.

(E)A2.04



NOTES / EXISTING WALL MATERIALS LEGEND

1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.

- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
- EXISTING CONCRETE WALL / COLUMN
- EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
- CONCRETE BLOCK WALL WITH PLASTER FINISH
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- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING FIFTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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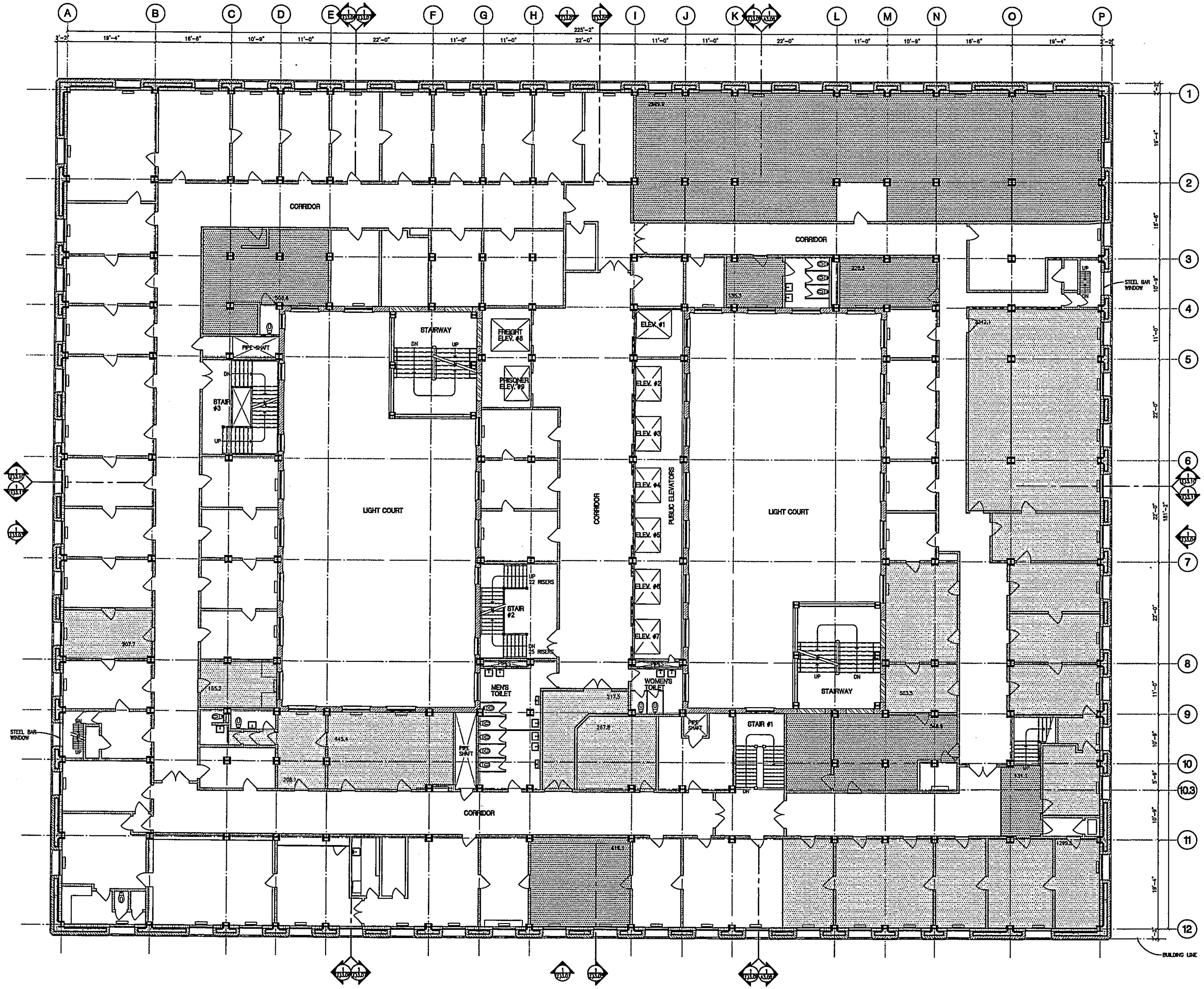
DRAWING TITLE
EXISTING FIFTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 08-30-03
JOB NO :
SHEET NO.
(E)A2.05



NOTES / EXISTING WALL MATERIALS LEGEND

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- HOLLOW CLAY TILE PARTITION WITH PLASTER AND STONE WAINSCOT OR BASE
- UNREINFORCED MASONRY WITH STONE WAINSCOT OR BASE AND PLASTER FINISH ABOVE
- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING SIXTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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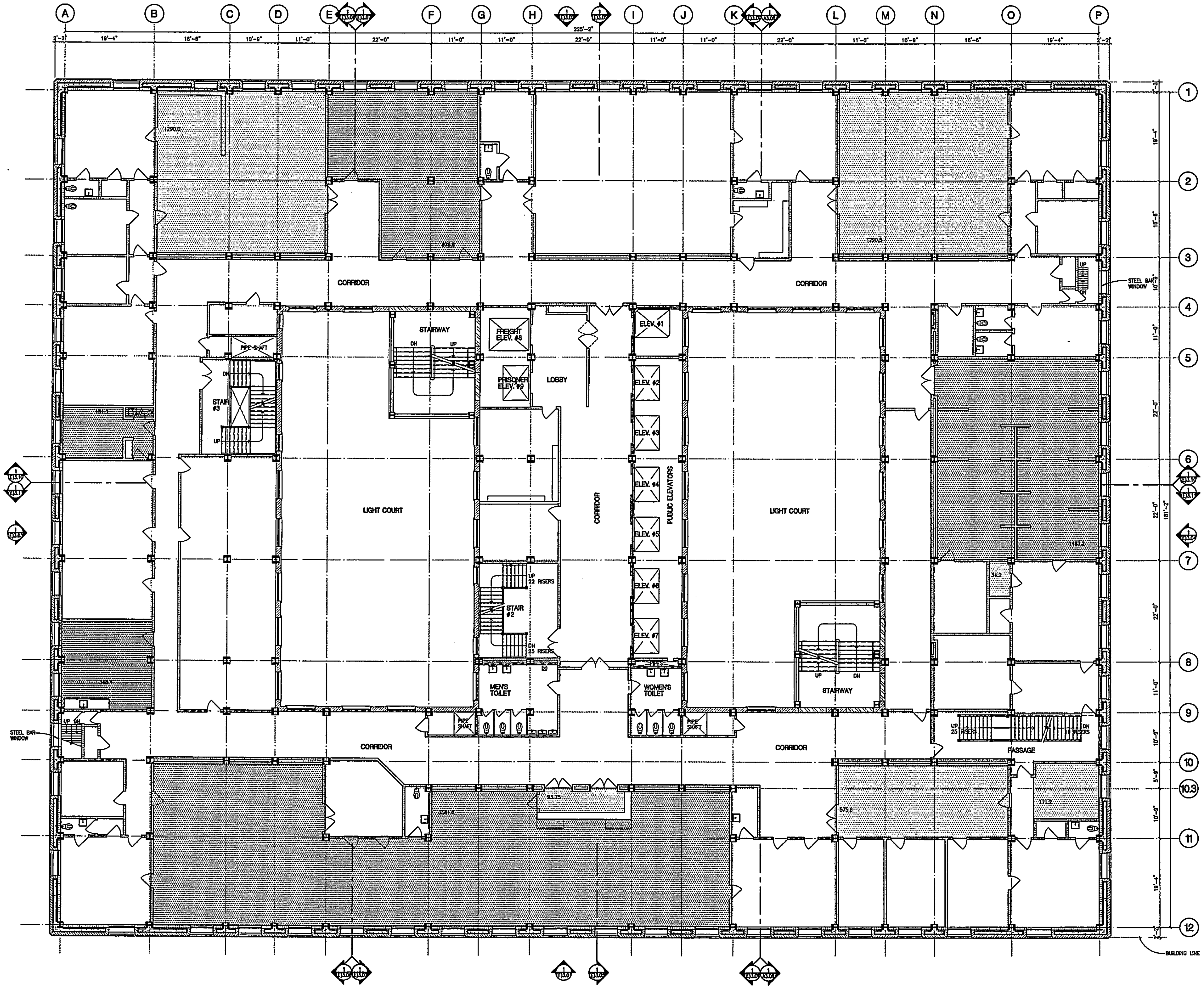
DRAWING TITLE

EXISTING SIXTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.
(E)A2.06



NOTES / EXISTING WALL MATERIALS LEGEND

1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.

- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
- EXISTING CONCRETE WALL / COLUMN
- EXISTING HOLLOW CLAY TILE PARTITION WITH FULL HEIGHT STONE
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- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING SEVENTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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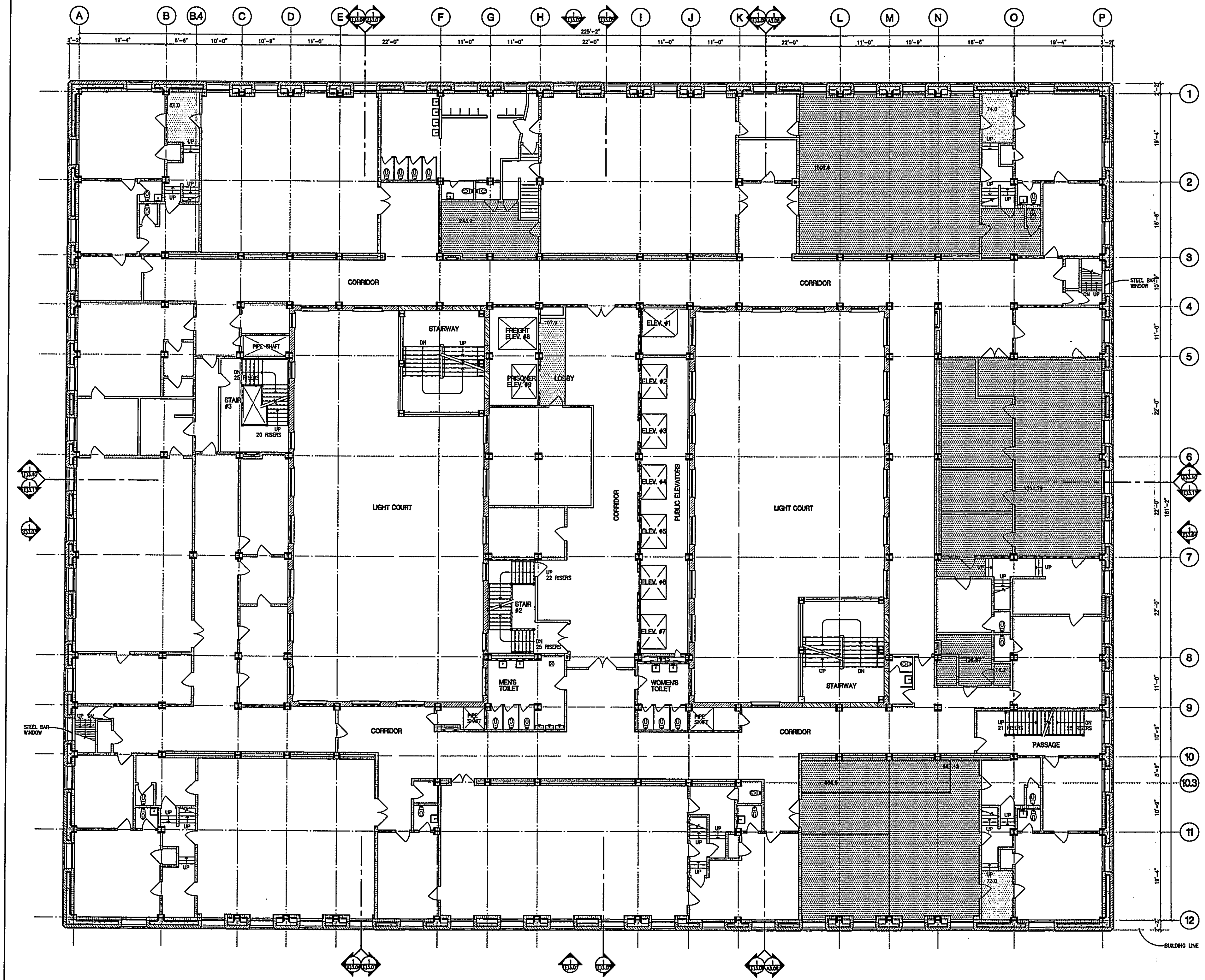
DRAWING TITLE

EXISTING SEVENTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.

(E)A2.07



NOTES / EXISTING WALL MATERIALS LEGEND

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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING EIGHTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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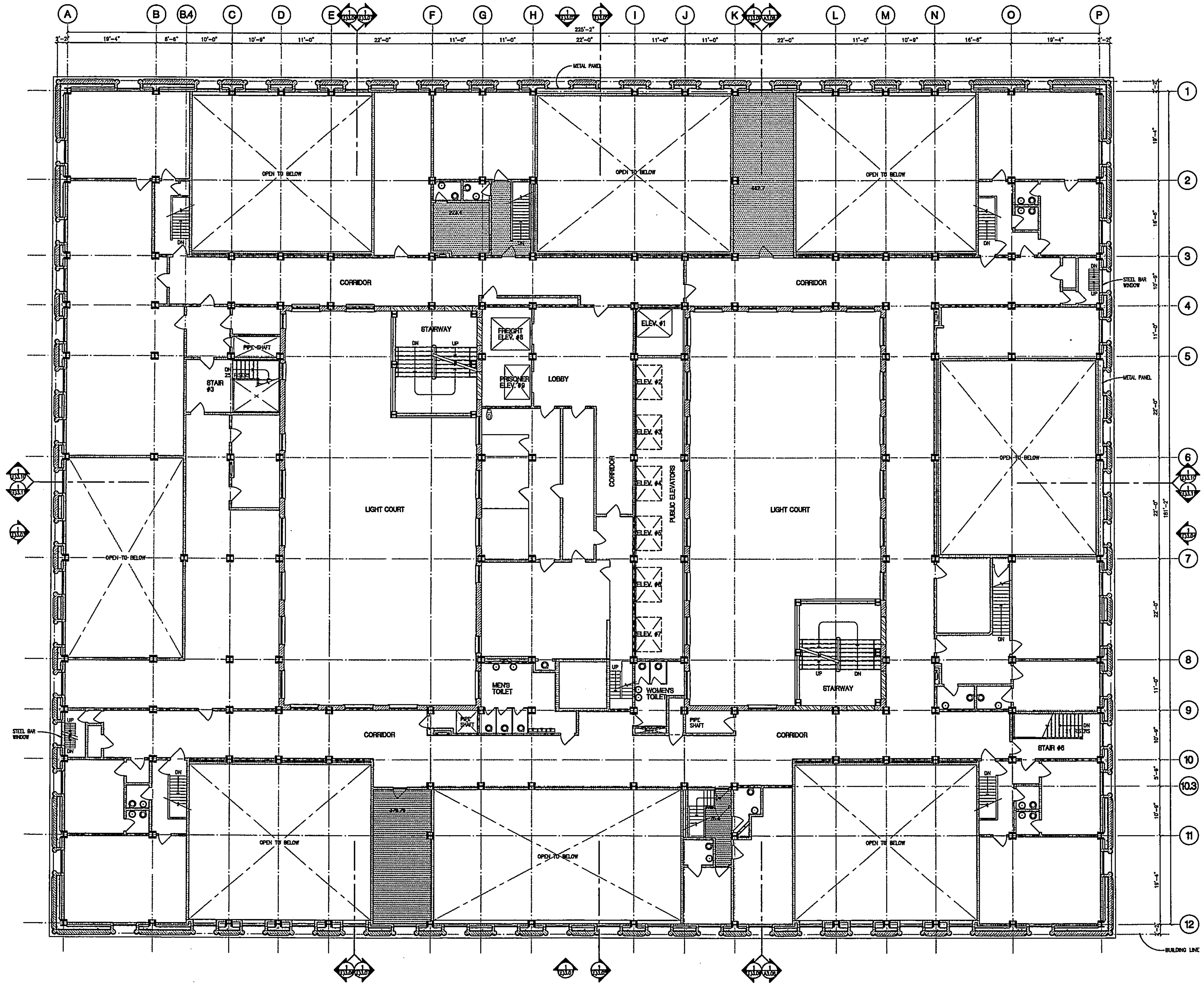
DRAWING TITLE

EXISTING EIGHTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.

(E)A2.08



NOTES / EXISTING WALL MATERIALS LEGEND

1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.

- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
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- PLASTER / GYPSUM BOARD ON METAL STUD PARTITION OR FURRING
- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING NINTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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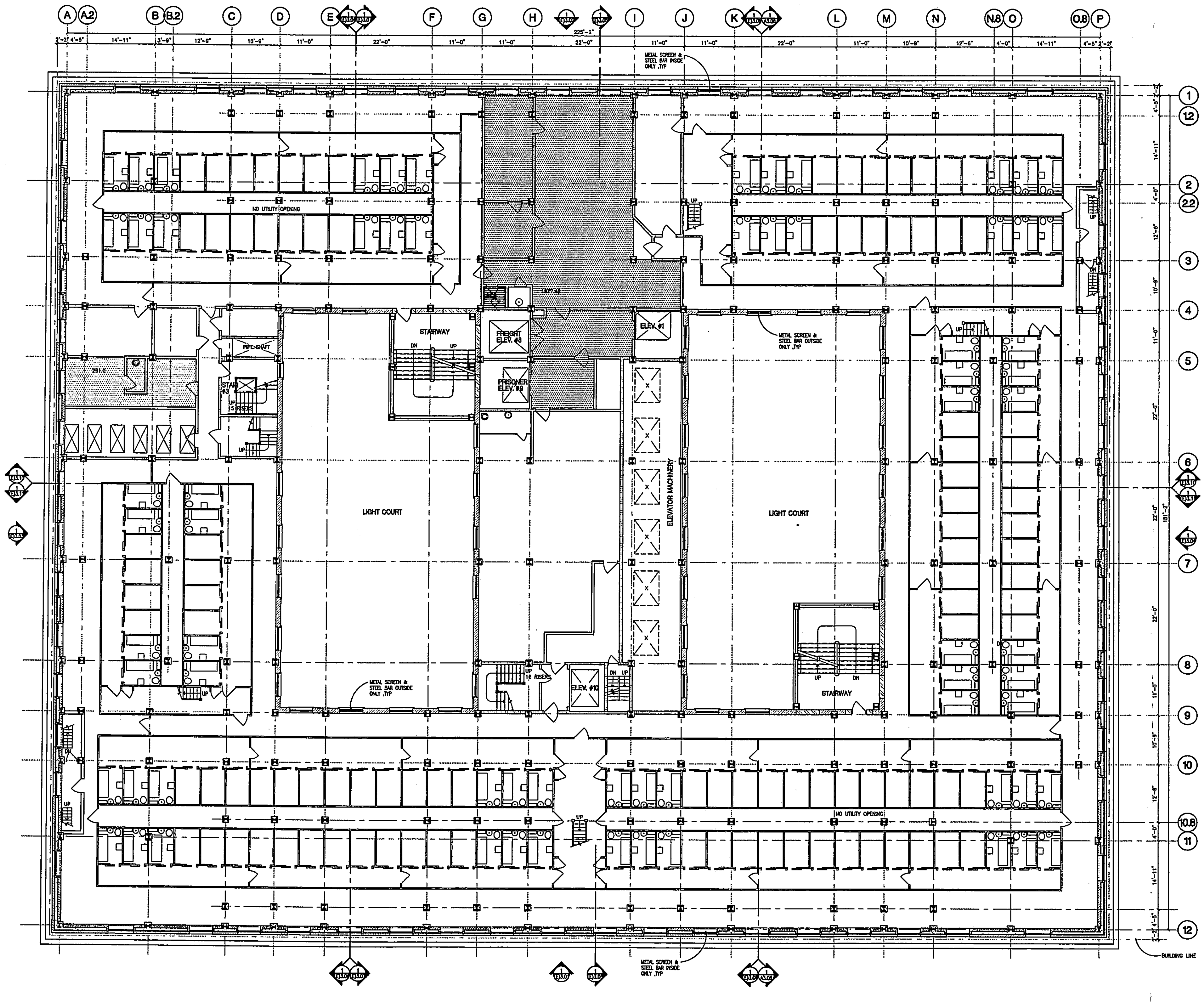
DRAWING TITLE

EXISTING NINTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.

(E)A2.09



NOTES / EXISTING WALL MATERIALS LEGEND

1. VERIFY ALL EXISTING MATERIALS, DIMENSIONS, FLOOR ELEVATIONS, AND BUILDING CONDITIONS.

- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING TENTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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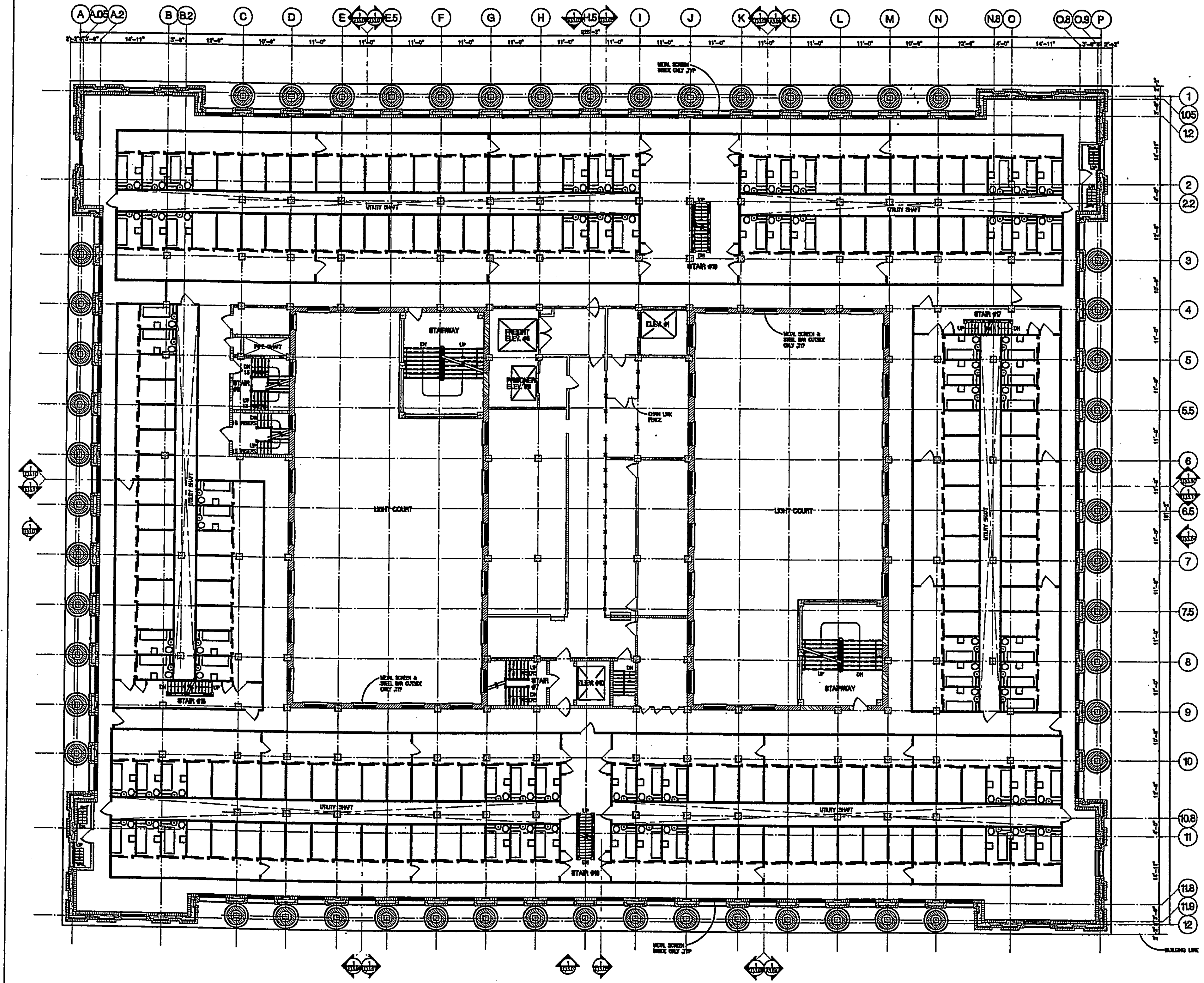
DRAWING TITLE

EXISTING TENTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.

(E)A2.10



NOTES / EXISTING WALL MATERIALS LEGEND

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- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH

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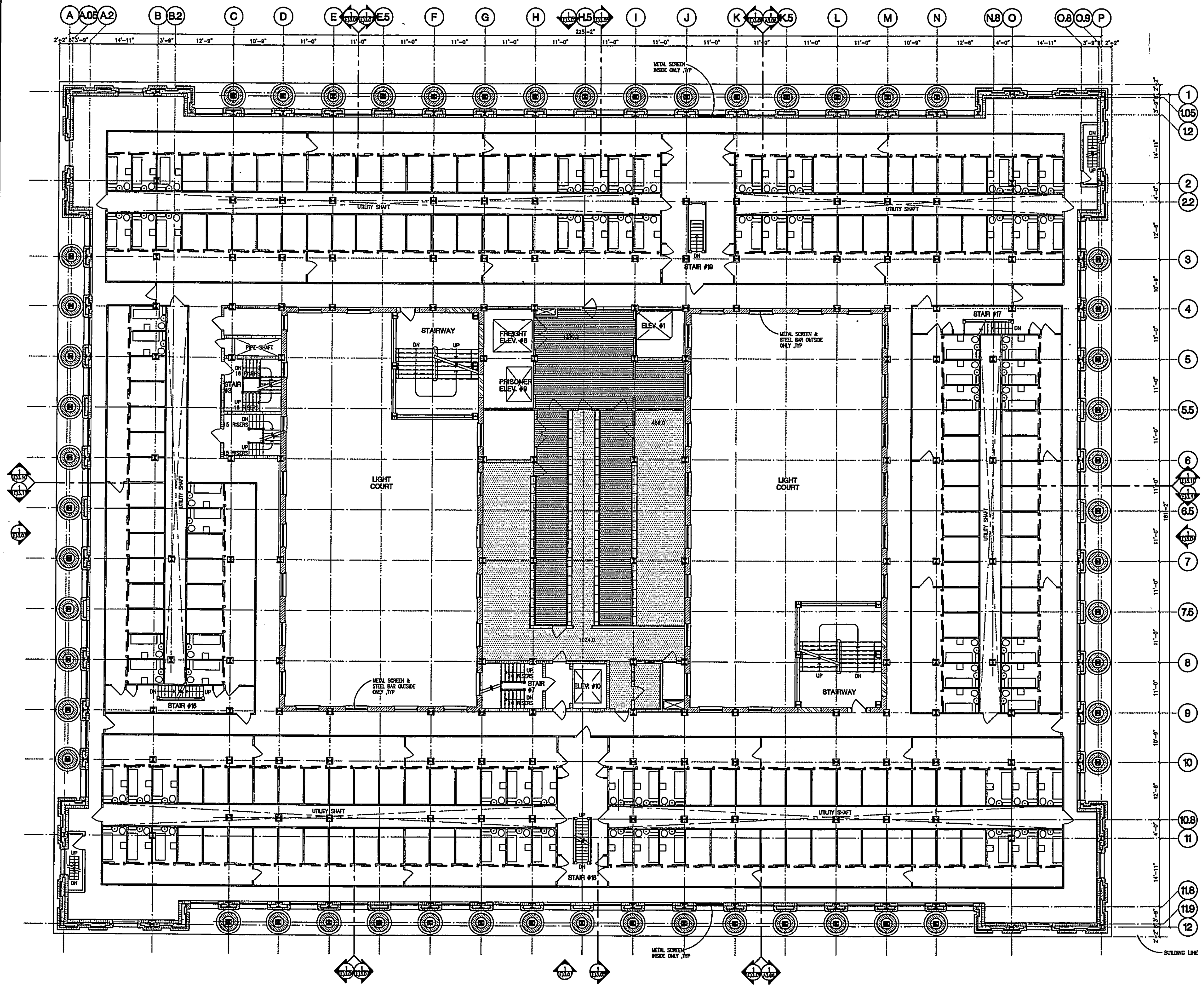
DRAWING TITLE

EXISTING ELEVENTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE :
JOB NO :
SHEET NO.

(E)A2.11

EXISTING ELEVENTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1



NOTES / EXISTING WALL MATERIALS LEGEND

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- EXISTING EXTERIOR STONE, TERRACOTTA / UNREINFORCED MASONRY WITH PLASTER FINISH
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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING TWELFTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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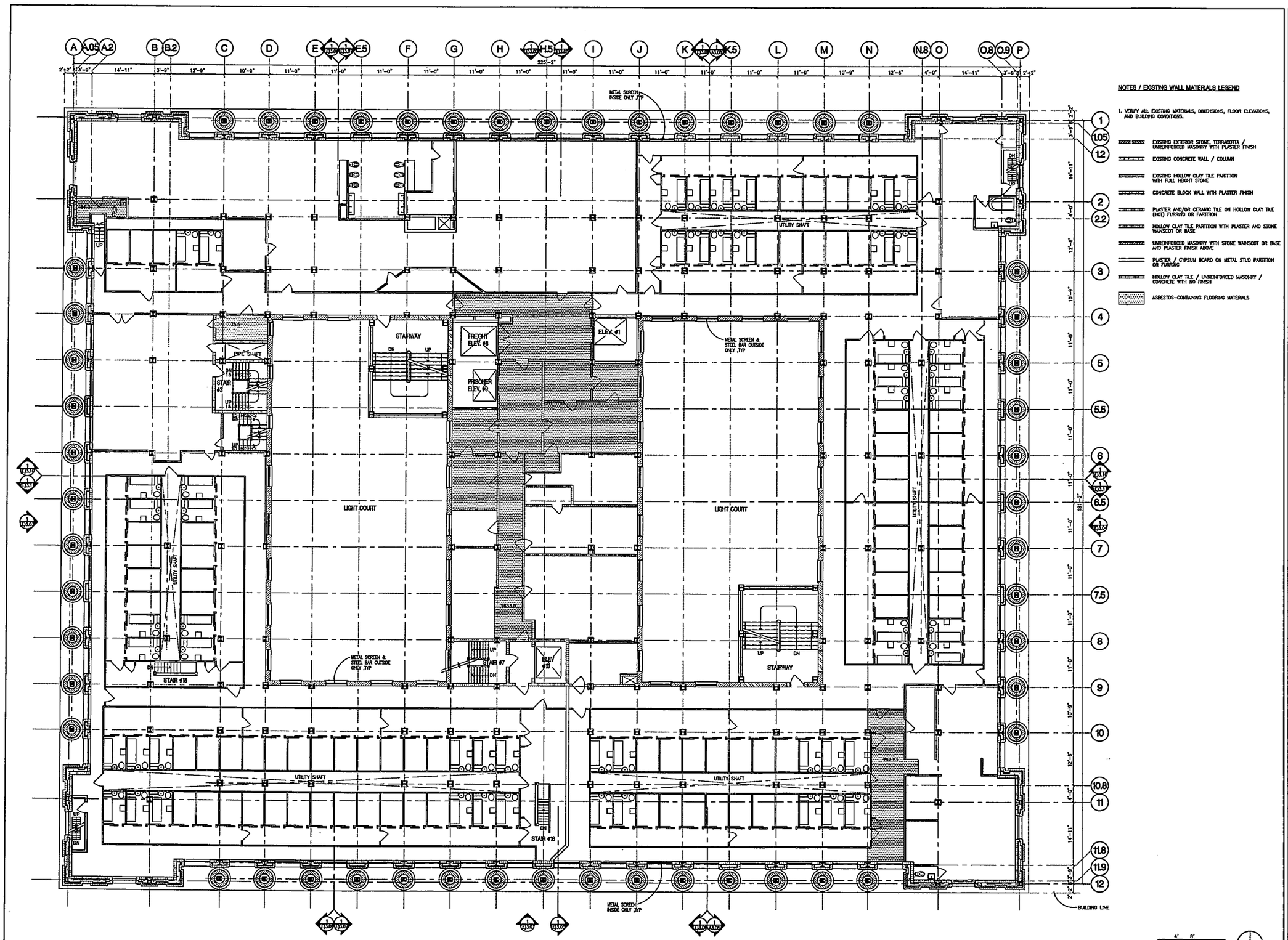
DRAWING TITLE
EXISTING TWELFTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 06-30-03
JOB NO :
SHEET NO.
(E)A2.12



NOTES / EXISTING WALL MATERIALS LEGEND

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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

EXISTING THIRTEENTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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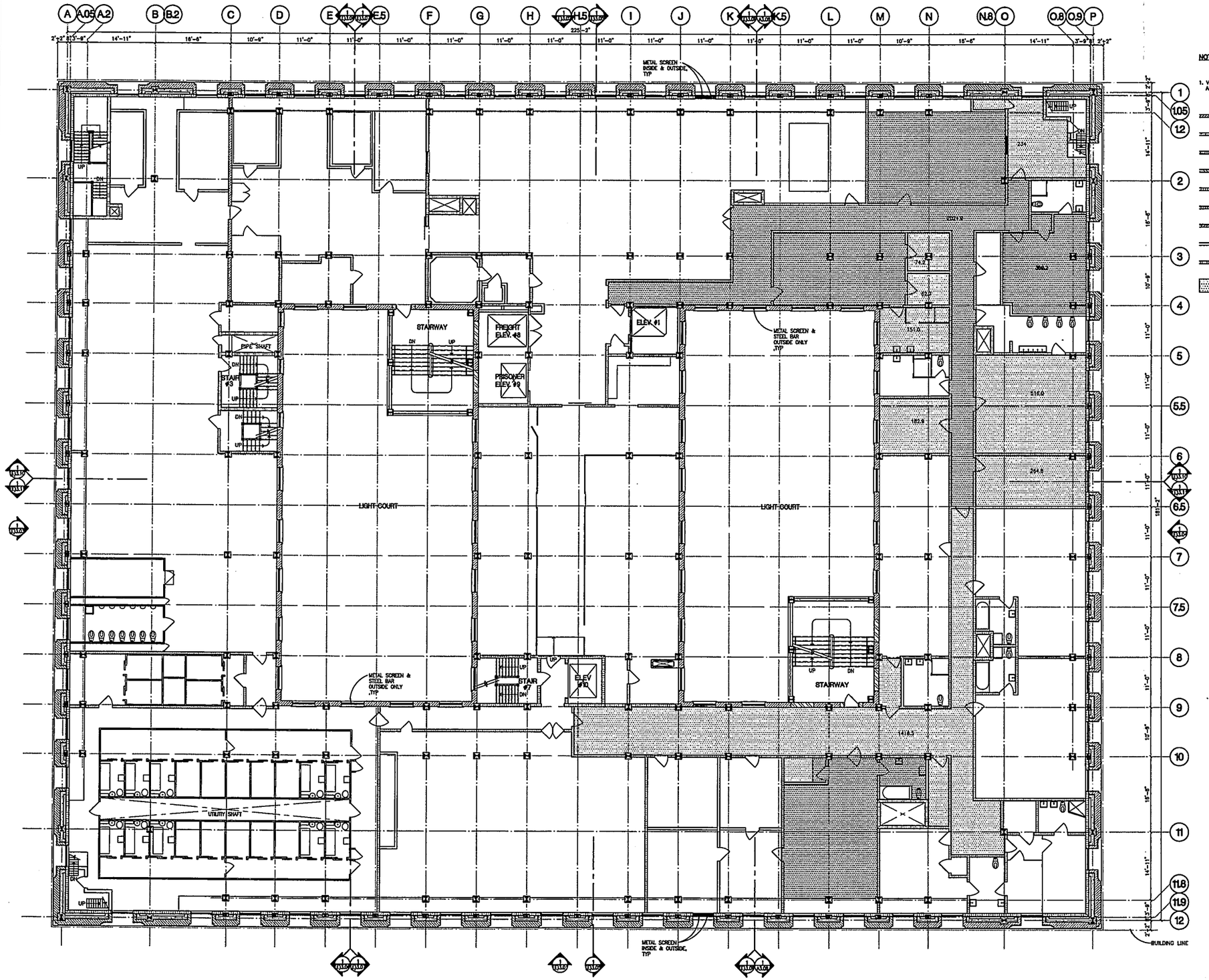
EXISTING THIRTEENTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 08-30-03
JOB NO :
SHEET NO.
(E)A2.13



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- HOLLOW CLAY TILE / UNREINFORCED MASONRY / CONCRETE WITH NO FINISH
- ASBESTOS-CONTAINING FLOORING MATERIALS

4' 8' 0' 2' 8' 16' N

EXISTING FOURTEENTH FLOOR PLAN | SCALE: 1/8"=1'-0" | 1

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EXISTING FOURTEENTH FLOOR PLAN

SCALE : 1/8"=1'-0"
DATE : 08-30-09
JOB NO :
SHEET NO.

(E)A2.14

APPENDIX C

LABORATORY RESULTS, ASBESTOS, SECTION 4.1

REPORT NO:	97738	CLIENT:	MACTEC 200 CITADEL DRIVE LOS ANGELES, CA 90044
DATE:	Dec 17, 2004		
DATE RECEIVED:	Dec 16, 2004	ATTENTION:	DON HARMON
DATE ANALYZED:	Dec 16, 2004	REFERENCE:	BPO18040461 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 (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
SC12/14-2	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

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 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.

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

B.M. Kolk, Laboratory Director

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SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
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

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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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. 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.

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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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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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SUBMITTAL FORM/*Laboratory Services*

97738

PAGE ___ OF ___

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. ___ <8 HR. ___ WKND ___ OTHER: ___

RELINQUISHED BY Don E Harman

TIME / DATE 12/16/04

CLIENT MACTEC

DATE OF SHIPMENT ___ CARRIER ___

ADDRESS ___

CLIENT P.O. NO. ___

CLIENT JOB/PROJECT ID NO(S). 4952 04 2862/01

TELEPHONE 323 889 5378

CONTACT Don Harman

PACKAGE SHIPPED FROM ___

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒ CLIENT FAX NO. 323 721-6700

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

DATE/TIME OF SAMPLE COLLECTION 12/14/12/15

SAMPLE PRESERVATIVES ___ HOLDING TIMES ___

NO. OF SAMPLES SENT 43 SAMPLER'S NAME /Scott Campbell (SIGNATURE) / (PRINTED)

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER Plm

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS	VOLUME/TIME/WEIGHT (IF APPLICABLE)
97738-2,4→7	~~SC12/13-1 to SC12/13-4~~		
10,12→14	~~SC12/13-7; SC12/13-9~~		
18,20→23	SC12/14-2		
27→30	SC12/14-4 to SC12/14-7		
32→35	SC12/14-10; SC12/14-12 to SC12/14-14		
38	SC12/14-18; SC12/4-20 to SC12/14-23		
41	SC12/14-27 to SC12/14-30		
44	SC12/14-32 to SC12/14-35		
15-1→12	SC12/14-38; SC12/14-41 to SC12/14-44		
15-16	SC12/15-1 to SC12/15-12; 8		
22	SC12/15-15, SC12/15-16		
26	SC12/15-22 to SC12/15-26		

15 lines

(SPACE BELOW FOR EMS USE ONLY)

Laboratory No. 97738

Received By ___ Time 730

Date of Package Delivery 12-16-04

Shipping Bill Retained: YES ☐ NONE ☒

Condition of Package on Receipt ___

Condition of Custody Seal ___

(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 43

Chain-of-Custody Signature ___

Date of Acceptance into Sample Bank 12-16-04

Misc. Info. ___

Disposition of Samples ___

REPORT NO:	97739	CLIENT:	MACTEC 200 CITADEL DRIVE LOS ANGELES, CA 90040
DATE:	Dec 17, 2004		
DATE RECEIVED:	Dec 16, 2004	ATTENTION:	DON HARMON
DATE ANALYZED:	Dec 17, 2004	REFERENCE:	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 (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

B.M. Kolk, Laboratory Director

BMK/vm

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SUBMITTAL FORM/*Laboratory Services* 97739

PAGE ___ OF ___

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. ✓ <8 HR. ___ WKND ___ OTHER: ___

RELINQUISHED BY Don E. Haem

TIME / DATE 12/16/04

CLIENT MACTEC

DATE OF SHIPMENT ___ CARRIER ___

ADDRESS ___

CLIENT P.O. NO. ___

CLIENT JOB/PROJECT ID NO(S). 4952042862/06

TELEPHONE 323 889 5378

CONTACT Don Haeman

PACKAGE SHIPPED FROM ___

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒

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 12/13

SAMPLE PRESERVATIVES ___ HOLDING TIMES ___

NO. OF SAMPLES SENT 2+2 SAMPLER'S NAME ___ / ___ (SIGNATURE / PRINTED)

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER ___

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS		VOLUME TIME WEIGHT (IF APPLICABLE)
97739-6	SC 12/13-6	} Mercury & PLM		
& 8	SC 12/13-8			

15 lines

FOR EMS ONLY

Laboratory No. 97739

Received By [signature] Time 7:30

Date of Package Delivery 12-16-04

Shipping Bill Retained: YES ☐ NONE ☐

Condition of Package on Receipt ok

Condition of Custody Seal ___

(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 ___

Date of Acceptance into Sample Bank 12-16-04

Misc. Info. ___

Disposition of Samples [illegible]

REPORT NO:	97854	CLIENT:	MACTEC 200 CITADEL DRIVE LOS ANGELES, CA 90040
DATE:	Dec 22, 2004		
DATE RECEIVED:	Dec 22, 2004	ATTENTION:	DON HARMON
DATE ANALYZED:	Dec 22, 2004	REFERENCE:	BPO18040461 H-O-J; 4952-04-2862
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 NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS 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

B.M. Kolk, Laboratory Director

BMK/vm

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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 Director

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SUBMITTAL FORM/Laboratory Services 97854

PAGE 1 OF 1

TURNAROUND TIME: STD ☐ 48 HR. ☐ 24 HR. ☐ <8 HR. ☐ WKND ☐ OTHER: ASAP

RELINQUISHED BY: SCOTT CAMPBELL

TIME / DATE: WEDNESDAY 12-22-04

CLIENT: MACTEC

DATE OF SHIPMENT: CARRIER:

ADDRESS:

CLIENT P.O. NO.:

CLIENT JOB/PROJECT ID NO(S): 4-0-3

TELEPHONE: 323-889-5379 4952-04-2462

CONTACT: DON HARMAN

PACKAGE SHIPPED FROM:

RESULTS REQUESTED VIA: VERBAL ☐ FAX ☒

CLIENT FAX NO: 323-721-6700

(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: 10 SAMPLER'S NAME: Scott Campbell / SCOTT CAMPBELL (SIGNATURE / PRINTED)

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☐ OTHER

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION LOCATION ANALYSIS		VOLUME TIME WEIGHT IF APPLICABLE
97854-20-1	SC 12-20-01	PENTHOUSE - PERIMETER WALL CAVITY - FLOORING MATERIAL - BLACK - LOCATION A-2-	BULK PLM	
2	SC 12-20-02	4TH FLOOR - MECHANICAL DUCTING BLANKET WRAP LOCATION - 10.5 - E.		
3	SC 12-20-03	4TH FLOOR - RED FLOORING AT - 6-8 - M - N.S		
21-1	SC-21-01	6TH FLOOR - RM. 656 - RED FLOOR SHEETING AT - 6-5 - M-N		
2	SC-21-02	6TH FL RM 656 - RED FLOORING BROWN MASTIC - AT - 6-5 - M-N		
3	SC-21-03	6TH FL - PIPE SHAFT RM AT - 10-10.3 - 6 - E -		
		SPRAY ON MATERIAL - ON WALL - ON RED BRICKS WHITISH COLOR		

15 lines

FOR EMS ONLY

Laboratory No.: 97854

Received By:

Time:

Date of Package Delivery: 12-22-04

Shipping Bill Retained: YES ☐ NO ☐ NONE ☐

Condition of Package on Receipt:

Condition of Custody Seal:

(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: 10

Chain-of-Custody Signature:

Date of Acceptance into Sample Bank: 12-22-04

Misc. Info:

Disposition of Samples:

(SF-500)

SUBMITTAL FORM *Laboratory Services*

PAGE 1 OF 1

TURNAROUND TIME: STD [ ] 48 HR. [ ] 24 HR. [ ]
<8 HR. [ ] WKND [ ] OTHER: ASAP

RELINQUISHED BY: SCOTT CAMPBELL
TIME / DATE: WEDNESDAY 12-22-04

CLIENT: MACFEE
ADDRESS:
TELEPHONE: 323-879-5378
CONTACT: DON HARMAN

DATE OF SHIPMENT: CARRIER:
CLIENT P.O. NO.:
CLIENT JOB/PROJECT ID NO(S): 9952-04-2417 H.O.J.
PACKAGE SHIPPED FROM:

RESULTS REQUESTED VIA: VERBAL [ ] FAX [X]
CLIENT FAX NO: 323-721-6700
(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: SAMPLER'S NAME: Scott Campbell / SCOTT CAMPBELL
(SIGNATURE / PRINTED)
TYPE: [X] WATER [ ] WASTE WATER [ ] SOIL [ ] FILTER [ ] SORBENT TUBE [ ] IMPINGER [ ] OTHER

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION	ANALYSIS	VOLUME / TIME / WEIGHT (IF APPLICABLE)
9-78564-22-1	SC-12-22-01	4TH FL AT N-OF 9-10 BATHROOM CERAMIC GREEN FLOOR TILE	BULK LEAD	
2	SC-12-22-02	4TH - BATHROOM N-O-9-10 CERAMIC WALL TILE GREYISH	BULK LEAD	
3	SC-12-22-03	ELEVATOR LOBBY - ENTRANCE TO THE ELEVATOR = 12X12 FLOOR TILE - BLACK - ON LINE I BETWEEN 6-7	BULK PLM	
4	SC-12-22-04	ELEVATOR LOBBY - AT THE ELEVATOR ENTRANCE - 12X12 FLOOR TILE BROWN MASTIC ON LINE I BETWEEN 6-7	BULK PLM	

15 lines

FOR EMS ONLY

Laboratory No.: 9-78564
Received By: THUYA TRAN
Time:
Date of Package Delivery:
Shipping Bill Retained: YES [ ] NONE [ ]
Condition of Package on Receipt:
Condition of Custody Seal:
(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:
Chain-of-Custody Signature:
Date of Acceptance into Sample Bank:
Misc. Info:
Disposition of Samples:

(SF 5/00)

REPORT NO:	97715	CLIENT:	MACTEC 200 CITADEL DRIVE LOS ANGELES, CA 90044
DATE:	Dec 15, 2004		
DATE RECEIVED:	Dec 14, 2004	ATTENTION:	DON HARMON
DATE ANALYZED:	Dec 15, 2004	REFERENCE:	BPO18040461 4952-04-2862
DATE / TIME COLLECTED:	12/14/04 BY DON E. HARMON		

SUBJECT: Polarized Light Microscopy Analysis for Asbestos; 6 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 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 Microscopist

B.M. Kolk, Laboratory Director

BMK/vm

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SUBMITTAL FORM/*Laboratory Services* 97715

PAGE ___ OF ___

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. X
<8 HR. ___ WKND ___ OTHER: ___

RELINQUISHED BY Don E Harman
TIME / DATE 12/14

CLIENT MACTEC
ADDRESS ___
TELEPHONE 323 889-5378
CONTACT Don Harman

DATE OF SHIPMENT ___ CARRIER ___
CLIENT P.O. NO. ___
CLIENT JOB/PROJECT ID NO(S). 4952-04-2862
PACKAGE SHIPPED FROM ___

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒ CLIENT FAX NO. 323 721 6700
(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

DATE/TIME OF SAMPLE COLLECTION 12/14
SAMPLE PRESERVATIVES None HOLDING TIMES None
NO. OF SAMPLES SENT 3 SAMPLER'S NAME Don E Harman (SIGNATURE) / Don E Harman (PRINTED)
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER ___

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS	VOLUME/TIME/WEIGHT (IF APPLICABLE)
97715-1	DH1412-01	3 materials 1. woven	PCM
		2. black	
		3. paper	
-3	DH1412-03	2 materials 1. woven	
		2 black	
-4	DH1412-04	1 material woven	

15 li

97715

Laboratory No. ___ Received By ___ Time 5:08
Date of Package Delivery 12-14-04 Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt Good Condition of Custody Seal N/A
(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 Chain-of-Custody Signature ___
Date of Acceptance into Sample Bank 12-14-04 Misc. Info. ___
Disposition of Samples EMS LABS

(SF...) FOR EMS ONLY

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

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.
This report, from a NIST laboratory through NVLAP, must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.
This report shall not be reproduced, except in full, without the written approval of EMS Laboratories, Inc.
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

TEM ASBESTOS ANALYSIS

Client [redacted] EMS Lab No. [redacted]

Sample No. 04-12/18-01

Page _____ of _____

RECEIVING

TYPE OF SAMPLE
Air ☐ Water ☐
Soil ☐ Bulk ☑
Other _____

METHOD OF ANALYSIS
EPA 600/4-83-043 ☑ ISO ☐

LEVEL OF ANALYSIS
Chrysotile CD-CDQ
Amphibole ADQ

ASPECT RATIO
3:1 ☑ 5:1 ☐

LENGTHS
All Sizes (EPA) ☐
(μm) ≥0.5 ☑
≥1.0 ☐
≥5.0 ☐
≥10.0 ☐
PCM Range* ☐
*(≥0.25 μm width, ≥5.0 μm length)

FILTER TYPE / AREA (mm±)
MCE ☑ 385 ☐
PC ☐ 314 ☐
MCN ☐ 1017 ☑
Other _____

PORE SIZE
0.45 μm ☐ 0.8 μm ☐
0.1 μm ☐ 0.22 μm ☑
Other _____

G.O. Area (mm²) 0.0093
No. of G.O. to Analyze 20
Filter Lot No. _____

Approved By _____ Date _____

PREP

DIRECT PREP ☐
INDIRECT PREP ☐

wt-of Paper disc = 3-2644g.
area: 339.3cm²

Volume 1. liters
Working Volume 0.5 ml
Weight _____ grams
Ashed Area _____ %

Prepared By SA
Date 12/22/04

ANALYSIS

MICROSCOPE
H600A – Serial No. 542-24-03 ☐
H600B – Serial No. 542-05-06 ☑
H600C – Serial No. 542-36-01 ☐

Grid Address A
Screen Magnification 19400 X
Camera Constant 29.7
Accelerating Voltage 100 KV
Beam Current 10 μA
K-Factor 1.3

Analyst [redacted] Date 12-22-4

Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	Fiber Classification NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	EDS Analysis Na	Mg	Si	Ca	Fe	Comments
C4-6	1	F	1	25							✓										10	10			EDS
H3-6		NAD																							
H4-1		NAD																							
H4-6	2	F	1	30							✓										10	10			EDS
H5-4		NAD																							
H5-6		NAD																							
F6-4	3	F	1	18							✓										10	10			EDS
	4	F	1	15							✓										10	10			EDS
	5	F	1	14				✓																	Some aluminosilicate fibers, not coated

TEM - 1A (12-00)

OBSERVATIONS:

Clean ☐
Debris: ☐ Very Light ☐ Light ☐ Moderate ☒ Heavy ☐ Very Heavy ☐
Gypsum: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐
Condition of the Grid: ☐ Good ☐ Scrappy ☐ Undissolved Filter ☐ Folded ☐

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22-Dec-2004 12:21:49

97702,DH-12/18-01,A,#01,RS Preset= Off
Vert= 200 counts Disp= 1 Elapsed= 26 secs

Energy	Counts	X-Ray Lines
1.26	210.	Mg K , Mg K , Mg K , As L , As L
1.74	106.	Si K , Si K , Ta M , W M , Ta M , W M , Ta M

Quantex>
0.000 Range= 10.230 keV 10.110
Integral 0 = 1502

22-Dec-2004 12:27:57

97702,DH-12/18-01,A,#02,RS Preset= Off
Vert= 200 counts Disp= 1 Elapsed= 34 secs

Energy	Counts	X-Ray Lines
1.26	225.	Mg K , Mg K , Mg K , As L , As L
1.74	207.	Si K , Si K , Ta M , W M , Ta M , W M , Ta M

Quantex>
0.000 Range= 10.230 keV 10.110
Integral 0 = 1732

22-Dec-2004 12:21:46

97702,DH-12/10-01,A,#01,FS
Vert= 200 counts Disp= 1

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.	Si K , Si K , Ta M , W M , Ta M , W M , Ta M

Quantex>
0.000 Range= 10.230 keV 10.110
Integral 0 = 1502

22-Dec-2004 12:45:45

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 , Mg K , As L , As L
1.75	142.	Si K , Si K , W M , W M

Quantex>
0.000 Range= 10.230 keV 10.110
Integral 0 = 4075

22-Dec-2004 12:48:18

97782,DH-12/18-01,A,#04,RS Preset= Off
Vert= 200 counts Disp= 1 Elapsed= 67 secs

Energy	Counts	X-Ray Lines
1.26	426.	Mg K , Mg K , Mg K , As L , As L
1.74	441.	Si K , Si K , Ta M , W M , Ta M , W M , Ta M

Quantex>
0.000 Range= 10.230 keV 10.110
Integral 0 = 4075

22-Dec-2004 12:20:01

97782,DH-12/18-01,A,#02,RS Preset= Off
Vert= 200 counts Disp= 1 Elapsed= 34 secs

Energy	Counts	X-Ray Lines
1.26	225.	Mg K , Mg K , Mg K , As L , As L
1.74	207.	Si K , Si K , Ta M , W M , Ta M , W M , Ta M

Quantex>
0.000 Range= 10.230 keV 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 , Mg K , As L , As L
1.75	142.	Si K , Si K , W M , W M

Quantex>
0.000 Range= 10.230 keV 10.110
Integral 0 = 1064

22-Dec-2004 12:48:21

97702,DH-12/18-01,A,#04,RS Preset= Off
Vert= 200 counts Disp= 1 Elapsed= 67 secs

Energy	Counts	X-Ray Lines
1.26	426.	Mg K , Mg K , Mg K , As L , As L
1.74	441.	Si K , Si K , Ta M , W M , Ta M , W M , Ta M

Quantex>
0.000 Range= 10.230 keV 10.110
Integral 0 = 4075

TEM ASBESTOS ANALYSIS

Client [redacted] EMS No. [redacted]

Sample No. DH 12/18-01 Page _____ of _____

RECEIVING

ANALYSIS

MICROSCOPE

H600A – Serial No. 542-36-01 ☐

H600B – Serial No. 542-05-06 ☒

H600C – Serial No. 542-24-03 ☐

Grid Address B.

Screen Magnification 8400 X

Camera Constant

Accelerating Voltage 100 KV

Beam Current 10 µA

K-Factor 1.7

Analyst SA Date 12/22/04

Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	Fiber Classification NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	EDS Analysis Na	Mg	Si	Ca	Fe	Comments
F44	NSD																								
F36	NSD																								
F31	NSD																								
G26	NSD																								
H33	1	F	1	25				✓																	
	2	F	115	50				✓																	
G61	3	F	1	35				✓																	
G56	4	F	1	45				✓																	

IEM - 1D (6-01)

OBSERVATIONS:

Clean ☐

Debris: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐

Gypsum: ☑ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐

Condition of the Grid: ☐ Good ☐ Scrappy ☐ Undissolved Filter ☐ Folded ☐

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TEM ASBESTOS ANALYSIS

Client [redacted] EMS [redacted] No [redacted]

Sample No. DH-12/18-01 Page _____ of _____

RECEIVING

ANALYSIS

MICROSCOPE

H600A – Serial No. 542-36-01 ☒

H600B – Serial No. 542-05-06 ☐

H600C – Serial No. 542-24-03 ☐

Grid Address C

Screen Magnification 1940 X

Camera Constant 29.8

Accelerating Voltage 100 KV

Beam Current 10 µA

K-Factor 1.13

Analyst Radke Date 12-22-04

Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	Fiber Classification NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	EDS Analysis Na	Mg	Si	Ca	Fe	Comments
F5-3		ND																							
G5-1		ND																							
H4-3	1	F	1	35			✓	✓	✓		✓														
	2	F	1	25				✓																	
G3-6		ND																							
F3-6	3	F	1	35				✓																	
E4-4	4	F	1	55				✓																	
	5	B	2	80				✓																	
	6	F	10	40				✓																	

OBSERVATIONS:

Clean ☐

Debris: ☐ Very Light ☐ Light ☐ Moderate ☒ Heavy ☐ Very Heavy ☐

Gypsum: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐

Condition of the Grid: ☐ Good ☐ Scrappy ☐ Undissolved Filter ☐ Folded ☐

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TEM - 1D (04/04)

TEM Method for Bulk Samples

LAB NO: 97782
CLIENT: Mactec

Laboratory I.D.	Client I.D.	FILTER MEDIA DATA			Weight gr.	Working Volume ml.	Volume liters
		Type	Diameter mm	Effective Area mm^2			
97782-01	DH-12-18-01	MCE	47	1017	3.2644	0.5	0.1

INDIVIDUAL ANALYTICAL RESULTS

Laboratory I.D.	Client I.D.	No. of Asbestos Str	Analytical Sensitivity, MFG	Mass; Gram of Asbestos/Gram of sample	Weight Percent of Asbestos
97782-01	DH-12-18-01	15	0.3	8.00E-08	0.000008

The analysis was carried out to the approved TEM method. This laboratory is in compliance with the quality specified by the method.

B M Kolk
Authorized Signature

SUBMITTAL FORM/*Laboratory Services*

PAGE 1 OF

TURNAROUND TIME: STD ☐ 48 HR. X 24 HR. ☐
<8 HR. ☐ WKND ☐ OTHER:

RELINQUISHED BY Don E. Harman
TIME / DATE 12/18

CLIENT MACTEC
ADDRESS
TELEPHONE 323 889-5378/949-861-1097
CONTACT Rick Hamaka or Don Harman

DATE OF SHIPMENT ____ CARRIER ____
CLIENT P.O. NO. ____
CLIENT JOB/PROJECT ID NO(S). 9952-04-2862/01
PACKAGE SHIPPED FROM ____

RESULTS REQUESTED VIA VERBAL ☐ FAX X
CLIENT FAX NO. (323) 721-6700
(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
SAMPLE PRESERVATIVES ____ HOLDING TIMES ____
NO. OF SAMPLES SENT 1 SAMPLER'S NAME Don E. Harman / J. Don Harman
SIGNATURE PRINTED
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☒ SORBENT TUBE ☐ IMPINGER ☐ OTHER ____

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS	VOLUME/ TIME/WEIGHT (IF APPLICABLE)
97782-1	DH 12/18-01	% Asbestos by TEM full quant. (-#1 - talked to Nicky about this) 0.4" of paper.	

15 lines

Laboratory No. # 97782
Date of Package Delivery 12-20-04
Received By ____ Time 8:00
Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt ____
Condition of Custody Seal ____
(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 1
Date of Acceptance into Sample Bank 12-20-04
Disposition of Samples FG.CHG
Chain-of-Custody Signature ____
Misc. Info. ____

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TEM ASBESTOS ANALYSIS

Client [redacted] EMS Lab No. [redacted]

Sample No. Blank 12/22/04 Page _____ of _____

RECEIVING

TYPE OF SAMPLE: Air ☐ Water ☑ Soil ☐ Bulk ☐ Other _____

METHOD OF ANALYSIS: EPA 600/4-83-043 ☑ ISO ☐

LEVEL OF ANALYSIS: Chrysotile CS CMQ Amphibole AMQ

ASPECT RATIO: 3:1 ☐ 5:1 ☐

EPA/600/R-94/134 100.1 ☐ 100.2 ☐

LENGTHS: All Sizes (EPA) ☐ (μm) ≥0.5 ☑ ≥1.0 ☐ ≥5.0 ☐ ≥10.0 ☐ PCM Range* ☐ *(≥0.25 μm width ≥5.0 μm length)

FILTER TYPE / AREA (mm±): MCE ☑ 385 ☐ PC ☐ 314 ☐ MCN ☐ 1017 ☑ Other _____

PORE SIZE: 0.45 μm ☐ 0.8 μm ☐ 0.1 μm ☑ 0.22 μm ☑ Other _____

G.O. Area (mm²) 0.0 093

No. of G.O. to Analyze 20

PREP

DIRECT PREP ☐ INDIRECT PREP ☐

Volume _____ liters

Working Volume 100 ml

Weight _____ grams

Ashed Area _____ %

Prepared By SA

Date 12/22/04

ANALYSIS

MICROSCOPE: H600A – Serial No. 542-36-01 ☐ H600B – Serial No. 542-05-06 ☑ H600C – Serial No. 542-24-03 ☐

Grid Address A

Screen Magnification 19200 X

Camera Constant 28-4

Accelerating Voltage 100 KV

Beam Current 10 μA

K-Factor 1.7

Analyst SA Date 12/22/04

Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	Fiber Classification NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	EDS Analysis Na	Mg	Si	Ca	Fe	Comments
CS-3	NSD																								
Cu4	NSD																								
Hu1	NSD																								
Hu4	NSD																								
Hu3	NSD																								
Cu6	NSD																								
B46	NSD																								
C36	NSD																								
E33	NSD																								
G36	NSD																								

TEM - 1A (8-01)

OBSERVATIONS:

Clean ☐

Debris ☑ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐

Gypsum: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐

Condition of the Grid: ☐ Good ☐ Scrappy ☐ Undissolved Filter ☐ Folded ☐

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TEM ASBESTOS ANALYSIS

[redacted]ient [redacted] EMS [redacted] No. [redacted]

Sample No. BR-12/22/04 Page _____ of _____

RECEIVING

ANALYSIS

MICROSCOPE

H600A – Serial No. 542-36-01 ☐

H600B – Serial No. 542-05-06 ☑

H600C – Serial No. 542-24-03 ☐

Grid Address B

Screen Magnification 1420 X

Camera Constant 28-4

Accelerating Voltage 100 KV

Beam Current 10 µA

K-Factor 1.7

Analyst SA Date 12/22/04

Grid Opening	Structure Number	Structure	Dimensions (mm) Width	Dimensions (mm) Length	Fiber Classification NAM	TM	CM	CD	CQ	CMQ	CDQ	UF	AD	AX	ADX	AQ	ADQ	AZQ	AZZ	EDS Analysis Na	Mg	Si	Ca	Fe	Comments
F41	NSD																								
E46	NSD																								
C43	NSD																								
F44	NSD																								
F36	NSD																								
E33	NSD																								
C36	NSD																								
F33	NSD																								
R33	NSD																								
B33	NSD																								

TEM - 1B (8-01)

OBSERVATIONS:

Clean ☐

Debris: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐

Gypsum: ☐ Very Light ☐ Light ☐ Moderate ☐ Heavy ☐ Very Heavy ☐

Condition of the Grid: ☐ Good ☐ Scrappy ☐ Undissolved Filter ☐ Folded ☐

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

REPORT NO:	97904	CLIENT:	MACTEC 200 CITADEL DRIVE LOS ANGELES, CA 90040
DATE:	Dec 29, 2004		
DATE RECEIVED:	Dec 29, 2004	ATTENTION:	DON HARMAN
DATE ANALYZED:	Dec 29, 2004	REFERENCE:	BPO18040461
DATE / TIME COLLECTED:	NOT PROVIDED		
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 NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS 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	NON-FRIABLE	GRAY GRANULAR	NONE DETECTED	NONE DETECTED
A-SC-12-29-24	NON-FRIABLE	BEIGE GRANULAR	NONE DETECTED	NONE DETECTED

Optical Microscopist

B.M. Kolk, Laboratory Director

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.

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

Optical Microscopist

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 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.

SUBMITTAL FORM/*Laboratory Services* 97904

PAGE 1 OF 1

TURNAROUND TIME: STD ☐ 48 HR. ☐ 24 HR. ☐
<8 HR. ☐ WKND ☐ OTHER: ASAP

RELINQUISHED BY Scott CAMPBELL
TIME / DATE WEDNESDAY 12-29-04

CLIENT MACTEC
ADDRESS
TELEPHONE 323-889-5378
CONTACT DON HARMAN

DATE OF SHIPMENT ____ CARRIER ____
CLIENT P.O. NO. ____
CLIENT JOB/PROJECT ID NO(S). 4952-04-2862-02 HOJ
PACKAGE SHIPPED FROM ____

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒ 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 9 SAMPLER'S NAME ____ / ____ (SIGNATURE / PRINTED)
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☐ OTHER ____

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION LOCATION ANALYSIS	VOLUME TIME WEIGHT IF APPLICABLE
97904-01	A-SC-12-29-01	1ST FL- MENS LOCKER Room - BROWN CEILING CORK - A-B- 6.5-7	BULK PLM
02	A-SC-12-29-02	1ST FL-MENS LOCKER RM- CORK & PLASTER - ADHESIVE - A-B- 6.5-7	
04	A-SC-12-29-04	12 FL- STAIRWELL- 7= THE STEP SLIPPING TREAD - STRIP -	
21	A-SC-12-29-21	8TH FL- HIGH THEMED CEILING- RM-803 - 1C.5 N.S - 1-3	
22	A-SC-12-29-22	8TH-FL RM 803- SOUTH WALL 1C.5 N.S - 1-3	
23	A-SC-12-29-23	8TH FL-RM-803- EAST WALL 1C.5-N.S - 1-3	
24	A-SC-12-29-24	8TH FL RM 803- NORTH WALL 1C.5 N.S 1-3	
25	A-SC-12-29-25	8TH FL RM 803- ~~WEST~~ WEST WALL 1C.5 N.S 1-3	
26	A-SC-12-29-26	1ST FL- GYM = LOWER PERIMETER WALL- DOME- CURB -	

97904

Laboratory No. ____ Received By Crystal M Time 2:15pm
Date of Package Delivery 12-29-04 Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt good Condition of Custody Seal none
(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 9 Chain-of-Custody Signature ____
Date of Acceptance into Sample Bank 12-29-04 Misc. Info. ____
Disposition of Samples EMS

REPORT NO:	97960	CLIENT:	MACTEC 200 CITADEL DRIVE LOS ANGELES, CA 90040
DATE:	Jan 6, 2005		
DATE RECEIVED:	Jan 5, 2005	ATTENTION:	DON HARMAN
DATE ANALYZED:	Jan 6, 2005	REFERENCE:	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 CONTROL SAMPLE (SRM 1866 GLASS FIBERS AS THE BLANK): NONE DETECTED

SAMPLE ID NUMBER	SAMPLE LOCATION & DESCRIPTION	VISUAL DESCRIPTION	ASBESTIFORM MINERALS	OTHER FIBROUS MATERIALS
DH12/28-01	NON-FRIABLE	BLACK RUBBERY BLACK FIBROUS	NONE DETECTED	CELLULOSE 10%
DH1/4-01	NON-FRIABLE	WHITE GRANULAR	NONE DETECTED	NONE DETECTED

Optical Microscopist

B.M. Kolk, Laboratory Director

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.

SUBMITTAL FORM/*Laboratory Services*

PAGE 1 OF 1

TURNAROUND TIME:	STD	48 HR.	24 HR. X
<8 HR.	WKND	OTHER:	

- RELINQUISHED BY Don Haiman
- TIME / DATE 1/4/05
- CLIENT MACTEC
- DATE OF SHIPMENT ______ CARRIER ______
- ADDRESS ______
- CLIENT P.O. NO. ______
- CLIENT JOB/PROJECT ID NO(S). 4952-04-2862/07
- TELEPHONE 323-889-5378
- CONTACT Don E. Haiman
- PACKAGE SHIPPED FROM ______
- RESULTS REQUESTED VIA VERBAL ☐ FAX ☒
- CLIENT FAX NO. 323-721-6700

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

- DATE/TIME OF SAMPLE COLLECTION 1/4 & 12/28
- SAMPLE PRESERVATIVES None
- HOLDING TIMES N/A
- NO. OF SAMPLES SENT 2
- SAMPLER'S NAME [signature] SIGNATURE / Don E. Haiman PRINTED
- TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS		VOLUME, TIME WEIGHT (IF APPLICABLE)
97960-28.1	DH12/28-01	Insulation wrap on lead shielded conduit, 1st floor, B4/10.3		PLM
-04.1	DH01/04-01	Plaster bldg = marble room matter = 7th floor, D/9		PLM

15 lines

- Laboratory No. # 97960
- Received By [signature]
- Time 8⁰⁰
- Date of Package Delivery 1-5-5
- Shipping Bill Retained: YES ☐ NONE ☒
- Condition of Package on Receipt OK
- Condition of Custody Seal ______

(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
- Chain-of-Custody Signature ______
- Date of Acceptance into Sample Bank 1-5-5
- Misc. Info. ______
- Disposition of Samples EMS LAB

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

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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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/cm^2, 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

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/cm^2 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.

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

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 Lobby	ABCD	HVAC Duct	Metal	Beige	Fair	4.6
Basement	South Hall	D	Lower Wall	Concrete	Black	Poor	2
Basement	South Hall	D	Door Frame	Metal	Black	Intact	1.3
Basement	Elevator Lobby	D	Upper Wall	Concrete	Black	Fair	0.9
Basement	South Hall	B	Lower Column	Concrete	Black	Poor	0.8
Basement	West Hall	C	Lower Wall	Concrete	Green	Poor	0.7
Basement	West Hall	C	Upper Wall	Concrete	White	Poor	0.7
4th Floor	West Hall	A	Window Frame	Wood	Tan	Fair	2.1
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
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	A	Wall	Brick	Tan	Fair	21
10th Floor	West Hall	B	Cell Door	Metal	Gray	Poor	3.4
11th Floor	East Hall	C	Wall	Brick	Tan	Fair	33
11th Floor	West Hall	A	Wall	Brick	Tan	Fair	30
12th Floor	West Hall	A	Wall	Brick	Tan	Intact	31
12th Floor	East Hall	C	Wall	Brick	Tan	Intact	14
12th Floor	East Hall	A	Cell Bars	Metal	Gray	Poor	2
13th Floor	East Hall	C	Wall	Brick	Tan	Intact	25
13th Floor	West Hall	C	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	A	Upper Wall	Concrete	Beige	Fair	1.9
13th Floor	West Hall	ABCD	Ceiling	Concrete	Blue	Poor	1.7
13th Floor	West Hall	A	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	B	Wall	Concrete	Beige	Poor	7.8
14th Floor	North Hall	C	Wall	Concrete	Blue	Poor	3.1
14th Floor	East Hall	C	Wall	Concrete	Beige	Poor	2.3
14th Floor	North Hall	D	Wall	Plaster	Blue	Fair	2
14th Floor	East Hall	ABCD	Ceiling	Concrete	Beige	Poor	2
14th Floor	North Hall	B	Wall	Plaster	Beige	Poor	1.8

Table 3.2: XRF Readings Summary Table

Floor	Area	Location	Component	Substrate	Color	Condition	Pb
Basement	East Hall	A	Upper Wall	Brick	White	Fair	0.13
Basement	East Hall	A	Lower Wall	Brick	Black	Fair	0.21
Basement	South Hall	D	Upper Wall	Concrete	White	Fair	0.04
Basement	South Hall	D	Lower Wall	Concrete	Black	Fair	0.18
Basement	South Hall	D	Door Frame	Metal	Black	Intact	1.3
Basement	South Hall	D	Door	Wood	Green	Fair	10
Basement	South Hall	D	Door	Metal	Green	Fair	16
Basement	South Hall	B	Upper Column	Concrete	White	Poor	0.5
Basement	South Hall	B	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	C	Ramp Sides	Concrete	Red	Fair	0.43
Basement	West Hall	C	Lower Wall	Concrete	Green	Poor	0.7
Basement	West Hall	C	Upper Wall	Concrete	White	Poor	0.7
Basement	West Hall	C	Door Frame	Metal	Brown	Intact	0
Basement	West Hall	C	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	B	Wall	Brick	White	Fair	0.28
Basement	Supply East Hall	A	Upper Wall	Brick	White	Poor	0.04
Basement	Supply East Hall	A	Lower Wall	Brick	Green	Poor	0.18
Basement	Supply East Hall	C	Upper Wall	Concrete	White	Poor	0.14
Basement	Supply East Hall	C	Lower Wall	Concrete	Green	Poor	0.01
Basement	Southeast Stairwell	B	Wall	Concrete	Beige	Poor	0.14
Basement	Southeast Stairwell	C	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	Wall	Plaster	Beige	Poor	0.22
1st Floor	South Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.03
1st Floor	South Hall	C	Wall	Plaster	Beige	Poor	0.13
1st Floor	Service Corridor	B	Wall	Plaster	Beige	Poor	0.07
1st Floor	Service Corridor	ABCD	Ceiling	Concrete	Beige	Poor	0.27
1st Floor	Service Corridor	C	Door Frame	Metal	Tan	Fair	0.03
1st Floor	Service Corridor	C	Door	Metal	Tan	Poor	0.05
1st Floor	Loading Area	A	Lower Wall	Concrete	Tan	Poor	0.3
1st Floor	Loading Area	A	Upper Wall	Concrete	White	Fair	0.22

Floor	Area	Location	Component	Substrate	Color	Condition	Pb
1st Floor	Loading Area	ABCD	HVAC Duct	Metal	White	Poor	0.11
1st Floor	Stairwell #1	B	Wall	Plaster	Beige	Poor	0.19
1st Floor	Stairwell #1	ABCD	Ceiling	Plaster	Beige	Poor	0.13
1st Floor	Stairwell #1	C	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	B	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	C	Wall Panel	Metal	Tan	Intact	-0.6
2nd Floor	West Hall	B	Door Frame	Metal	Tan	Fair	0.12
2nd Floor	West Hall	B	Door	Wood	Tan	Fair	0.01
2nd Floor	North Hall	B	Lower Wall	Plaster	Tan	Intact	0.03
2nd Floor	North Hall	B	Upper Wall	Plaster	White	Intact	-0.3
3rd Floor	East Hall	A	Wall	Plaster	White	Poor	0.03
3rd Floor	East Hall	D	Door Frame	Metal	Blue	Intact	0.33
3rd Floor	East Hall	B	Door	Metal	Blue	Intact	0
3rd Floor	Elevator Lobby	D	Wall	Plaster	Beige	Poor	-0.1
3rd Floor	Elevator Lobby	B	Wall	Plaster	Beige	Poor	0.2
3rd Floor	Elevator Lobby	ABCD	Ceiling	Plaster	Beige	Poor	-0.5
3rd Floor	West Hall	B	Wall	Plaster	Blue	Intact	0.01
3rd Floor	Column P5	D	Wall	Plaster	Beige	Intact	0.2
4th Floor	East Hall	A	Wall	Plaster	Beige	Intact	0.11
4th Floor	East Hall	C	Wall	Plaster	Beige	Intact	0.31
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	B	Wall	Plaster	Beige	Poor	0.1
4th Floor	South Hall	C	Door Frame	Wood	Beige	Poor	0.11
4th Floor	South Hall	C	Door	Wood	Beige	Fair	0.28
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	B	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	0.5
4th Floor	Column P5	D	Window Frame Inner	Metal	Beige	Fair	0.36
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	B	Wall	Plaster	Beige	Poor	-0.5
4th Floor	Stairwell #1	B	Wall	Plaster	Beige	Poor	-0.7
5th Floor	East Hall	A	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	B	Wall	Plaster	Beige	Poor	0.1
5th Floor	South Hall	B	Wall	Plaster	Beige	Poor	0.1
5th Floor	West Hall	C	Wall	Plaster	Beige	Poor	0.18
5th Floor	North Hall	B	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	C	Wall	Plaster	Beige	Fair	-0.8
6th Floor	Elevator Lobby	C	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	B	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	B	Wall	Plaster	Beige	Poor	-0.4
7th Floor	West Hall	A	Wall	Plaster	Beige	Poor	0.03
8th Floor	South Hall	B	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	5/P	D	Wall	Plaster	White	Poor	0.02
8th Floor	5/P	D	Window Frame	Wood	White	Fair	2
8th Floor	5/P	D	Window Sash	Metal	White	Fair	3.6
9th Floor	North Hall	D	Wall	Plaster	Beige	Poor	0.07
9th Floor	North Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.01
9th Floor	East Hall	A	Wall	Plaster	Beige	Poor	0.18
9th Floor	East Hall	ABCD	Ceiling	Plaster	Beige	Poor	0.1
9th Floor	West Hall	B	Door Frame	Metal	Beige	Fair	0.18
9th Floor	West Hall	B	Door	Wood	Beige	Fair	0.25
9th Floor	West Hall	C	Wall	Plaster	Beige	Poor	0.07
10th Floor	East Hall	A	Wall	Brick	Tan	Fair	21
10th Floor	East Hall	C	Upper Wall	Plaster	White	Fair	0.2
10th Floor	East Hall	ABCD	Ceiling	Plaster	White	Poor	0
10th Floor	South Hall	B	Upper Wall	Plaster	White	Poor	-0.03
10th Floor	South Hall	D	Bars	Metal	Gray	Fair	0.18
10th Floor	West Hall	B	Cell Door	Metal	Gray	Poor	3.4
11th Floor	East Hall	C	Wall	Brick	Tan	Fair	33
11th Floor	East Hall	ABCD	Ceiling	Concrete	Beige	Fair	0.14
11th Floor	West Hall	A	Wall	Brick	Tan	Fair	30
11th Floor	West Hall	A	Upper Wall	Concrete	Beige	Fair	0.1
11th Floor	West Hall	A	Ceiling	Concrete	Beige	Poor	-0.5
12th Floor	East Hall	C	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	C	Stairwell Door Frame	Metal	Gray	Poor	0.35
12th Floor	East Hall	C	Stairwell Door	Metal	Gray	Poor	0.29
12th Floor	West Hall	A	Wall	Brick	Tan	Intact	31
12th Floor	West Hall	A	Upper Wall	Concrete	Beige	Fair	0.08
12th Floor	West Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.12
12th Floor	West Hall	A	Radiator	Metal	Gray	Poor	0.11
12th Floor	West Hall	A	Window Sash	Metal	Gray	Poor	0.32
13th Floor	East Hall	C	Wall	Brick	Tan	Intact	25
13th Floor	East Hall	C	Upper Wall	Concrete	Beige	Fair	0.12
13th Floor	East Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.2
13th Floor	East Hall	C	Window Sash	Metal	Gray	Poor	0.49
13th Floor	Northeast Stairwell	B	Wall	Concrete	Beige	Fair	-0.05
13th Floor	Northeast Stairwell	ABCD	Ceiling	Concrete	Beige	Fair	-0.05
13th Floor	West Hall	A	Upper Wall	Concrete	Beige	Fair	1.9
13th Floor	West Hall	ABCD	Ceiling	Concrete	Beige	Poor	0.7
13th Floor	West Hall	A	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	C	Door Frame	Metal	Brown	Fair	8.7
13th Floor	West Hall	C	Door	Metal	Brown	Fair	2
13th Floor	West Hall	C	Baseboard	Concrete	Brown	Fair	0.45
13th Floor	West Hall	A	Wall	Concrete	Beige	Poor	0.1
13th Floor	West Hall	A	Wall	Concrete	Blue	Fair	0.9
13th Floor	West Hall	ABCD	Ceiling	Concrete	Blue	Poor	1.7
14th Floor	North Hall	C	Baseboard	Concrete	Blue	Fair	0.6
14th Floor	North Hall	C	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	B	Wall	Plaster	Beige	Poor	1.8
14th Floor	North Hall	B	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

Aurora
INDUSTRIAL HYGIENE

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: _____ Date: 1/26/05
Robert Rinck, DHS Inspector/Assessor AURORA

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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/cm^2 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	Identifies the column number and/or letter where the sample was taken
Side	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 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	C	Door	Metal	Green	Fair	20
Basement	C/7-7.7	B	Double Door	Metal	Green	Fair	19
Basement	C/7-7.7	B	Double Door Frame	Metal	Black	Fair	2.3
Basement	E/11-12	B	Wall	Brick	Green	Fair	0.7
Basement	F/11	B	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	B	Window Frame	Metal	Brown	Fair	1.4
1st Floor	D/3-4	A	Window Frame	Metal	Beige	Intact	0.9
1st Floor	G-H/8-10.3	A	Window Frame	Metal	Beige	Intact	5.1
1st Floor	G-H/8-10.3	B	Window Frame	Wood	Brown	Fair	3.4
1st Floor	N-O/12	A	Window Frame	Metal	Beige	Intact	2.6
1st Floor	N-O/12	A	Radiator	Metal	Beige	Intact	2.3
2nd Floor	F-G/1	C	Window Frame	Metal	Beige	Poor	2.4
2nd Floor	K-L/4	A	Window Frame	Metal	White	Fair	1.8
2nd Floor	M-N/6-7	B	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	B	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	C	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	B	Window Frame	Metal	White	Fair	0.8
4th Floor	H-J/1	C	Window Frame	Metal	Gray	Fair	0.8
4th Floor	J-K/9-10.3	C	Window Frame	Metal	Blue	Fair	1

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
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	B	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	B	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	C	Window Frame	Metal	Tan	Fair	3.8
5th Floor	K-L/3-4	A	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	B	Window Sash	Metal	Brown	Fair	1.6
5th Floor	M-N/1-2	C	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	C	Window Frame	Metal	White	Poor	4.9
6th Floor	L-M/3-4	A	Window Frame	Metal	White	Fair	3.2
6th Floor	M-N/7-8	B	Window Frame	Metal	White	Fair	0.9
7th Floor	A-B/1-2	C	Window Frame	Metal	Beige	Fair	2.6
7th Floor	A-B/4-5	B	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	A	Window Frame	Metal	Brown	Fair	5.1
8th Floor	A-B/1-2	B	Window Frame	Metal	Brown	Fair	1.9
8th Floor	C-D/7-9	D	Window Frame	Metal	Blue	Fair	3.4
8th Floor	G-I/7-5		Tile	Tile	Tan	Fair	2.9
8th Floor	K-M/11-12	B	Wall	Plaster	White	Poor	1.9
8th Floor	L-O/10-12	A	Wall	Plaster	White	Poor	1.6
8th Floor	L-O/10-12	C	Wall	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	B	Window Frame	Plaster	Brown	Fair	1.6
9th Floor	A-B/1-2	C	Window Frame	Plaster	Beige	Poor	2.2
9th Floor	B.4-D/6-9	B	Wall	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	C	Window Frame	Metal	Brown	Fair	7.3
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	P-O/1-2	A	Wall	Plaster	White	Poor	1
10th Floor	A.2-11	C	Brick	Brick	Yellow	Poor	19
10th Floor	A-B/4-5	B	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	B	Cot	Metal	Beige	Intact	5.3
10th Floor	G-H/10.8-12	A	Bars	Metal	Gray	Fair	2.2

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
10th Floor	H-I/10.8-12	B	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	B	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	B	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	B	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	B	Wall	Metal	Beige	Fair	15
11th Floor	G-I/4-9	B	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	A	Brick	Brick	Beige	Intact	24
12th Floor	H-K/5-8	A	Brick	Brick	White	Intact	30
12th Floor	K/11	ABCD	Cot	Metal	Beige	Fair	10
12th Floor	K/11	B	Cell	Metal	Beige	Fair	5.4
12th Floor	K/11	D	Wall	Metal	Gray	Poor	5.4
12th Floor	K/11	B	Frame	Metal	Gray	Poor	5.1
12th Floor	O-P/11-12	A	Brick	Brick	Beige	Intact	29
12th Floor	O-P/11-12	B	Wall	Metal	Gray	Poor	6.2
12th Floor	O-P/11-12	C	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	C	Wall	Brick	Blue	Intact	26
13th Floor	I-H/10-11.8	B	Metal	Metal	Beige	Intact	7.2
13th Floor	I-H/10-11.8	A	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	B	Wall	Plaster	Beige	Fair	3.9
14th Floor	E-G/10-12	B	Wall	Plaster	White	Intact	1.4
14th Floor	E-G/10-12	A	Wall	Plaster	Blue	Fair	1.1
14th Floor	F-9	C	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	B	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	2.4
15th Floor	A-I/10-12	C	Wall	Brick	Beige	Fair	3
15th Floor	A-I/10-12	B	Wall	Concrete	Beige	Intact	2.4
15th Floor	A-I/10-12	A	Wall	Concrete	Beige	Intact	2.1

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
15th Floor	A-I/10-12	C	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	A	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	A	Wall	Concrete	Green	Poor	0.43
Basement	A-B/6	C	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	A	Door Frame	Wood	Blue	Fair	0.4
Basement	B.7/7-7.7	B	Door	Wood	Blue	Fair	0.12
Basement	B/7	B	Column	Concrete	Green	Fair	0.45
Basement	B/7-7.7	B	Wall	Brick	White	Fair	0.14
Basement	B/7-8	A	Wall	Concrete	Green	Poor	0.5
Basement	B-B.7/6-6.5	C	Door	Metal	Green	Fair	20
Basement	B-B.7/6-6.5	C	Frame	Metal	Green	Fair	0
Basement	C/2	B	Double Door	Metal	Brown	Fair	0.19
Basement	C/2	B	Double Door Frame	Metal	Brown	Fair	0
Basement	C/7-7.7	B	Double Door	Metal	Green	Fair	19
Basement	C/7-7.7	B	Double Door Frame	Metal	Black	Fair	2.3
Basement	C-D/1	C	Water Pipe	Metal	White	Poor	0.12
Basement	C-E/1-2	ABCD	Ceiling	Concrete	White	Poor	0.31
Basement	C-E/2	A	Lower Wall	Stucco	Green	Poor	0.2
Basement	C-E/2	A	Upper Wall	Stucco	White	Fair	0.12
Basement	D-E/2	A	Wall	Concrete	White	Poor	0
Basement	E/11	B	Column	Brick	White	Fair	0.6
Basement	E/11-12	B	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	B	Column	Concrete	White	Poor	0.8
Basement	F/11-12	B	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	B	Control Panel	Metal	Green	Intact	0.44
Basement	J-K/6-7	B	Wall	Concrete	Gray	Intact	0.42
Basement	J-K/6-7	B	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	C	Wall	Stucco	White	Intact	0
Basement	K/10.3	C	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	B	Double Door Frame	Metal	Brown	Intact	0.02
Basement	N-O/2-3	B	Double Door	Metal	Brown	Intact	0.02
1st Floor	A-B/11-12	B	Window Frame	Metal	Brown	Fair	1.4
1st Floor	A-B/11-12	B	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	C	Window Frame	Metal	Beige	Fair	0.19
1st Floor	B-C/7-8	B	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	B	Lower Wall	Metal	Tan	Fair	0.6
1st Floor	D/3-4	B	Upper Wall	Concrete	Beige	Fair	0.22
1st Floor	D/3-4	B	Baseboard	Concrete	Tan	Fair	0
1st Floor	G-H/8-10.3	A	Window Frame	Metal	Beige	Intact	5.1
1st Floor	G-H/8-10.3	B	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	C	Wall	Plaster	Beige	Poor	0.2
1st Floor	G-H/8-10.3	A	Door	Wood	Brown	Fair	0.17
1st Floor	G-H/8-10.3	A	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	A	Handrail	Metal	Brown	Poor	0.02
1st Floor	L-P/11-12	ABCD	HVAC Duct	Metal	Beige	Poor	0
1st Floor	M/6-7	B	Door Frame	Metal	White	Fair	0
1st Floor	N/11	ABCD	Column	Plaster	Green	Fair	0.2
1st Floor	N-O/12	A	Window Frame	Metal	Beige	Intact	2.6
1st Floor	N-O/12	A	Radiator	Metal	Beige	Intact	2.3
1st Floor	N-O/12	A	Baseboard	Wood	Beige	Fair	0.21
1st Floor	N-O/12	A	Wall	Plaster	Green	Fair	0.1
1st Floor	N-O/2	C	Wall	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	C	Wall	Plaster	Tan	Intact	-0.6
1st Floor	N-O/9	A	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	A	Wall	Plaster	Tan	Poor	0
2nd Floor	C-D/3-4	A	Door Frame	Metal	Beige	Fair	0.11
2nd Floor	C-D/3-4	C	Transom	Wood	White	Intact	0.1
2nd Floor	C-D/3-4	A	Wall	Plaster	White	Intact	0.05

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
2nd Floor	C-D/3-4	ABCD	Column	Plaster	White	Fair	0
2nd Floor	F-G/1	C	Window Frame	Metal	Beige	Poor	2.4
2nd Floor	F-G/1-2	B	Wall	Plaster	Beige	Poor	0.08
2nd Floor	F-G/1-2	B	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	B	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	B	Wall	Concrete	White	Fair	-0.2
2nd Floor	M-N/9-10	B	Wall	Concrete	White	Intact	0.4
2nd Floor	M-N/9-10	B	Baseboard	Wood	Tan	Fair	0.4
2nd Floor	N-O/12	A	Window Frame	Metal	Beige	Intact	1.2
2nd Floor	N-O/12	A	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	B	Window Frame	Metal	White	Poor	2.3
3rd Floor	A-B/2-3	C	Wall Partition	Wood	Blue	Intact	0.19
3rd Floor	A-B/2-3	B	Baseboard	Wood	Red	Intact	0.09
3rd Floor	A-B/2-3	B	Wall	Plaster	White	Intact	0.04
3rd Floor	B-D/7-9	D	Window Frame	Metal	Red	Fair	4.3
3rd Floor	B-D/7-9	ABCD	Column	Plaster	Blue	Poor	0.11
3rd Floor	B-D/7-9	A	Wall	Plaster	White	Poor	0.08
3rd Floor	E-F/1-2	C	Window Frame	Metal	White	Fair	4
3rd Floor	E-F/1-2	C	Wall	Plaster	White	Fair	0.32
3rd Floor	II-J/10.3	A	Door Frame	Metal	Brown	Fair	0.5
3rd Floor	I-J/8-9	D	Window Frame	Metal	White	Fair	3.8
3rd Floor	I-J/8-9	B	Wall	Plaster	White	Poor	0.2
3rd Floor	J-K/9-10	B	Wall	Plaster	White	Poor	0.24
3rd Floor	J-L/11-12	C	Air Handler	Metal	Beige	Intact	0.08
3rd Floor	J-L/11-12	A	Window Frame	Metal	Black	Intact	0.05
3rd Floor	J-L/11-12	D	Window Frame	Metal	Black	Intact	0.03
3rd Floor	J-L/11-12	D	Wall	Plaster	White	Intact	-0.2
4th Floor	A-B/1-2	C	Window Frame	Metal	White	Fair	0.49
4th Floor	A-B/1-2	B	Wall	Plaster	White	Poor	0.4
4th Floor	A-B/1-2	C	Radiator	Metal	White		0.22
4th Floor	A-B/1-2	B	Wall	Plaster	Beige	Poor	0.1
4th Floor	A-B/1-2	A	Door Frame	Metal	Tan	Fair	0
4th Floor	B-D/6-7	D	Window Frame	Metal	Tan	Fair	3.8
4th Floor	B-D/6-7	D	Radiator	Metal	Beige	Intact	0.3
4th Floor	B-D/6-7	D	Wall	Plaster	Beige	Poor	0.2

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
4th Floor	B-D/6-7	C	Baseboard	Wood	Tan		0.01
4th Floor	G-H/8-9	B	Window Frame	Metal	White	Fair	0.8
4th Floor	G-H/8-9	C	Wall	Plaster	White	Poor	0.4
4th Floor	H-J/1	C	Window Frame	Metal	Gray	Fair	0.8
4th Floor	H-J/1	C	Wall	Plaster	White	Poor	-0.1
4th Floor	J-K/9-10.3	C	Window Frame	Metal	Blue	Fair	1
4th Floor	J-K/9-10.3	B	Wall	Plaster	Blue	Poor	0
4th Floor	L-2	ABCD	Column	Plaster	White	Poor	0.1
4th Floor	N-O/9-11	A	Wall	Tile	Gray	Intact	5.1
4th Floor	N-O/9-11	C	Door Frame	Metal	Beige	Fair	0.14
4th Floor	N-O/9-11	C	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	A	Window Frame	Metal	Blue		2.6
4th Floor	O-P/11-12	A	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	B	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	A	Window Frame	Metal	Blue	Poor	1.5
5th Floor	B-C/11-12	A	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	C	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	C	Wall	Plaster	White	Fair	0.04
5th Floor	C-D/4-5	B	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	A	Wall	Plaster	Blue	Poor	0
5th Floor	C-D/4-5		Ceiling	Plaster	Blue	Fair	0
5th Floor	D-E/9-10	C	Window Frame	Metal	Tan	Fair	3.8
5th Floor	D-E/9-10	B	Baseboard	Wood	Tan		0.14
5th Floor	D-E/9-10	C	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	A	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	B	Window Sash	Metal	Brown	Fair	1.6
5th Floor	L-N/7-8	B	Wall	Plaster	Beige	Fair	0.07
5th Floor	L-N/7-8	B	Window Casing	Metal	Brown	Fair	0.02
5th Floor	L-N/7-8	B	Vertical Pipe	Metal	Beige	Fair	-0.5
5th Floor	M-N/1-2	C	Window Frame	Metal	White	Intact	3.9

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
5th Floor	M-N/1-2	A	Wall	Plaster	Pink	Fair	0.02
5th Floor	M-N/1-2	C	Wall	Plaster	Pink	Fair	-0.4
5th Floor	O-P/4-5	C	Door	Wood	Beige	Fair	0.1
5th Floor	O-P/4-5	C	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	C	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	B	Wall	Plaster	Gray	Poor	0
6th Floor	A-B/10-11	A	Wall	Plaster	Gray	Poor	-0.5
6th Floor	A-B/2-3	D	Wall	Plaster	White	Fair	0.04
6th Floor	A-B/2-3	B	Wall	Plaster	White	Poor	0.03
6th Floor	A-B/2-3	C	Door Frame	Wood	Gray	Fair	0.01
6th Floor	B-C/6-7	C	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	Gray	Poor	0.08
6th Floor	E-F/9-10.3	C	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	C	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	B	Wall	Plaster	White	Fair	-0.6
6th Floor	K-L/11-12	A	Radiator	Metal	Gray	Intact	0.4
6th Floor	K-L/11-12	A	Window Frame	Metal	Gray	Fair	0.17
6th Floor	K-L/11-12	A	Wall	Plaster	White	Poor	0.06
6th Floor	K-L/11-12	B	Door Frame	Wood	Gray	Fair	0.04
6th Floor	K-L/11-12	C	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	C	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	A	Window Frame	Metal	White	Fair	3.2
6th Floor	L-M/3-4	B	Wall	Plaster	White	Fair	0.13
6th Floor	M-N/7-8	B	Window Frame	Metal	White	Fair	0.9
6th Floor	M-N/7-8	B	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	A	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	A	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	A	Wall	Plaster	White	Fair	0.03
7th Floor	A-B/1-2	C	Window Frame	Metal	Beige	Fair	2.6

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
7th Floor	A-B/1-2	C	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	B	Wall	Plaster	White	Fair	0.2
7th Floor	A-B/4-5	A	Baseboard	Wood	Tan	Fair	0.03
7th Floor	A-B/8-9	B	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/10.3-12	A	Window Frame	Metal	Brown	Fair	5.1
7th Floor	F-J/10.3-12	A	Wall	Plaster	White	Poor	0.4
7th Floor	F-J/10.3-12	ABCD	Ceiling	Plaster	White	Poor	0.08
7th Floor	H-2	D	Wall	Plaster	Pink	Intact	0.19
7th Floor	H-K/1-3	C	Wall	Plaster	White	Poor	0.39
7th Floor	H-K/1-3	A	Wall	Plaster	White	Poor	0.09
7th Floor	H-K/1-3	B	Door Frame	Wood	Stain	Intact	0.05
7th Floor	J-I/8-9	C	Wall	Plaster	White	Poor	-0.2
7th Floor	L-O/1-3	C	Window Frame	Metal	White	Fair	0.49
7th Floor	L-O/1-3	C	Wall	Wood	White	Fair	0.09
7th Floor	L-O/1-3	A	Wall	Wood	White	Poor	0.03
7th Floor	P-O/4-5	D	Wall	Plaster	White	Poor	0.23
7th Floor	P-O/4-5		Door Frame	Wood	White	Poor	0.16
7th Floor	P-O/4-5	B	Door	Wood	White	Fair	0.12
8th Floor	A-B.4/6-9	B	Wall	Wood	Stain	Intact	0.07
8th Floor	A-B/11-12	C	Wall	Plaster	White	Poor	0.19
8th Floor	A-B/11-12	A	Wall	Plaster	White	Poor	0.12
8th Floor	A-B/1-2	B	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	B	Wall	Plaster	White	Fair	-0.3
8th Floor	A-B/4-6	B	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	A	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	C	Wall	Plaster	Beige	Poor	0.29
8th Floor	E-B.4/1-3	C	Window Frame	Metal	White	Fair	0.13
8th Floor	E-F/1-2	B	Wall	Plaster	White	Poor	-0.2
8th Floor	G-H/8-9	B	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

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
8th Floor	G-I/7-5		Column	Plaster	Blue	Fair	0.2
8th Floor	G-I/7-5		Window Frame	Metal	Beige	Fair	0.01
8th Floor	G-I/7-5	B	Wall	Plaster	Blue	Poor	-0.3
8th Floor	H-J/1-3	A	Wall	Plaster	Green	Poor	0.17
8th Floor	H-J/1-3	A	Wall	Plaster	White	Poor	0
8th Floor	H-J/1-3	C	Wall	Plaster	White	Poor	-0.4
8th Floor	K-M/11-12	B	Wall	Plaster	White	Poor	1.9
8th Floor	L-M/1-3	A	Wall	Plaster	Pink	Poor	0.2
8th Floor	L-M/1-3	C	Wall	Plaster	White	Poor	-0.2
8th Floor	L-O/10-12	A	Wall	Plaster	White	Poor	1.6
8th Floor	L-O/10-12	C	Wall	Plaster	White	Poor	1.6
8th Floor	L-O/10-12	D	Wall	Plaster	Green	Poor	0.16
8th Floor	L-O/10-12	D	Wall	Plaster	White	Poor	0.15
8th Floor	P-O/1-2	ABCD	Ceiling	Plaster	White	Poor	0.6
8th Floor	P-O/1-2	B	Door	Wood	Stain	Fair	0.12
8th Floor	P-O/1-2	B	Door Frame	Metal	Brown	Fair	0.06
8th Floor	P-O/1-2	A	Wall	Plaster	White	Poor	0
8th Floor	P-O/1-2	C	Wall	Plaster	White	Poor	-0.3
8th Floor	P-O/8-9	D	Window Frame	Metal	White	Fair	2.1
8th Floor	P-O/8-9	D	Wall	Plaster	White	Poor	-0.2
9th Floor	A-B.4/11-12	B	Window Frame	Plaster	Brown	Fair	1.6
9th Floor	A-B.4/11-12	C	Wall	Plaster	White	Intact	0.15
9th Floor	A-B.4/11-12	ABCD	Ceiling	Plaster	White	Poor	0.14
9th Floor	A-B.4/11-12	A	Wall	Plaster	White	Poor	0.04
9th Floor	A-B/1-2	C	Window Frame	Plaster	Beige	Poor	2.2
9th Floor	A-B/1-2	C	Heater	Plaster	Brown	Fair	0.6
9th Floor	A-B/1-2	B	Wall	Plaster	Beige	Poor	0.12
9th Floor	A-B/1-2	C	Wall	Plaster	Beige	Poor	-0.7
9th Floor	B.4-D/6-9	B	Wall	Plaster	Beige	Poor	5
9th Floor	B.4-D/6-9	D	Wall	Plaster	Beige	Poor	0.19
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	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	I-J/8-10	B	Door Frame	Plaster	Beige	Fair	0.13

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
9th Floor	I-J/8-10		Wall	Plaster	Brown	Poor	0.09
9th Floor	L-K/1-3	C	Window Frame	Metal	Brown	Fair	7.3
9th Floor	L-K/1-3	B	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	A	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	B	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	Poor	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	C	Wall	Plaster	White	Poor	0.01
9th Floor	P-O/7-8	ABCD	Ceiling	Plaster	White	Poor	-0.2
10th Floor	A.2-11	C	Brick	Brick	Yellow	Poor	19
10th Floor	A.2-11	C	Baseboard	Concrete	Brown	Fair	0.38
10th Floor	A-B/4-5	B	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	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	B	Wall	Metal	Beige	Intact	7.3
10th Floor	G-H/10.8-12	B	Cot	Metal	Beige	Intact	5.3
10th Floor	G-H/10.8-12	A	Bars	Metal	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	C	Shelf	Metal	Beige	Fair	0.24
10th Floor	H-I/10.8-12	B	Stairwell Stringer	Metal	Gray	Fair	2.8
10th Floor	H-I/10.8-12	A	Stairwell Treed	Metal	Red	Poor	2.8
10th Floor	H-I/10.8-12	A	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	B	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	B	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	C	Radiator	Metal	Brown	Fair	0.05
10th Floor	P/11-12	D	Brick	Brick	Beige	Intact	20

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
10th Floor	P/11-12	B	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	B	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	B	Wall	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-I/4-9	B	Tile	Tile	White	Intact	4.4
11th Floor	G-I/4-9	D	Window Frame	Metal	Gray	Fair	0.6
11th Floor	G-I/4-9	ABCD	Ceiling	Plaster	Beige	Intact	0.4
11th Floor	G-I/4-9		Ceiling	Plaster	White	Poor	0.1
11th Floor	G-I/4-9	C	Wall	Plaster	Beige	Fair	0.01
11th Floor	G-I/4-9	ABCD	Floor	Concrete	Red	Poor	0.01
11th Floor	G-I/4-9	B	HVAC Duct	Metal	Beige	Fair	0
11th Floor	G-I/4-9	B	Door	Metal	Gray	Intact	0
11th Floor	G-I/4-9		Tile	Tile	White	Intact	0
11th Floor	G-I/4-9	A	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	A	Brick	Brick	Beige	Intact	24
11th Floor	O-P/11-12	C	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	A	Radiator	Metal	Gray	Poor	0.16
11th Floor	O-P/11-12	A	Window Panel	Metal	Gray	Fair	0.06
12th Floor	H-K/5-8	A	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	C	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	B	Cell	Metal	Beige	Fair	5.4
12th Floor	K/11	D	Wall	Metal	Gray	Poor	5.4
12th Floor	K/11	B	Frame	Metal	Gray	Poor	5.1
12th Floor	K/11	A	Bars	Metal	Gray	Poor	0.24

Floor	Location	Side	Component	Substrate	Color	Condition	Pb
12th Floor	K/11	ABCD	Ceiling	Plaster	Beige	Fair	0.09
12th Floor	K/11	ABCD	Ceiling	Plaster	Beige	Poor	0.04
12th Floor	O-P/11-12	A	Brick	Brick	Beige	Intact	29
12th Floor	O-P/11-12	B	Wall	Metal	Gray	Poor	6.2
12th Floor	O-P/11-12	C	Bars	Metal	Gray	Poor	4.4
12th Floor	O-P/11-12	D	Window Frame	Metal	Gray	Poor	2.9
12th Floor	O-P/11-12		Ceiling	Plaster	Beige	Fair	0.09
13th Floor	A-G/1-2	C	Wall	Brick	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	B	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	B	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	Poor	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	B	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	B	Wall	Plaster	White	Intact	1.4
14th Floor	E-G/10-12	A	Wall	Plaster	Blue	Fair	1.1
14th Floor	F-9	C	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	J/2	ABCD	Railing	Metal	Red	Poor	0.26
14th Floor	J/2		Floor	Brick	Red	Intact	0.1
14th Floor	M-N/6-9	B	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	C	Partition	Wood	White	Fair	0.2
14th Floor	O-P/1-2	C	Wall	Plaster	Beige	Intact	1.5
14th Floor	O-P/1-2	C	Window Frame	Metal	Beige	Poor	0.25
14th Floor	O-P/1-2	A	Wall	Plaster	Beige	Intact	0.18
15th Floor	A-B/7-8	B	Wall	Concrete	Green	Intact	0.5
15th Floor	A-G/1-4	C	Wall	Concrete	Beige	Intact	6.6
15th Floor	A-G/1-4	A	Wall	Brick	Beige	Intact	2.4
15th Floor	A-G/1-4	A	Wall	Concrete	Green	Fair	0.04
15th Floor	A-I/10-12	C	Wall	Brick	Beige	Fair	3
15th Floor	A-I/10-12	B	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	C	Wall	Stucco	Beige	Intact	0.8
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	A	Wall	Concrete	Beige	Poor	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 of Justice

Device: NITON U3949NR4598

Date: 12/27/04

Inspector: R. Rinck

Calibration Check Tolerance Used: 1.0 mg/cm2
Use Level III (1.02 mg/cm2) NISH SRM Paint Film

First Calibration Check Time: 0705

1st Reading	2nd Reading	3rd Reading	1st Average	1st Ave - 1.02 mg/cm2
1.1	1.0	1.0		

Second Calibration Check Time: 1243

1st Reading	2nd Reading	3rd Reading	2nd Average	2nd Ave - 1.02 mg/cm2
1.2	1.2	1.2		

Third Calibration Check (If Needed) Time:

1st Reading	2nd Reading	3rd Reading	3rd Average	3rd Ave - 1.02 mg/cm2

- Use the 30-Second Standard Mode Reading

XRF Calibration Form

Address/Unit: Hall of Justice

Device: Niton XL3t 949 NR 4598

Date: 12/28/04

Inspector: Robert 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	2nd Reading	3rd Reading	1st Average	1st Ave - 1.02 mg/cm2
1.1	1.1	1.1		

Second Calibration Check Time: 1205

1st Reading	2nd Reading	3rd Reading	2nd Average	2nd Ave - 1.02 mg/cm2
1.1	1.1	1.1		

Third Calibration Check (If Needed) Time: 1539

1st Reading	2nd Reading	3rd Reading	3rd Average	3rd 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

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.

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.

CLIENT: MACTEC LABORATORY NUMBER: 97695

ELEMENT	DETECTION LIMIT (mg)
LEAD	<0.02

SAMPLE NAME / ELEMENT	WEIGHT (mg)
BLANK	
LEAD	<0.02

METHOD: EPA 7420/3050B

ppm = parts per million

SAMPLE NAME / ELEMENT	WEIGHT (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 _____

A SAP 97695

SUBMITTAL FORM/*Laboratory Services*

PAGE 1 OF 1

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. ___ <8 HR. X WKND ___ OTHER: ___

- RELINQUISHED BY Don E Harmon
- TIME / DATE 12/13/04
- CLIENT MACTEC
- DATE OF SHIPMENT ___ CARRIER ___
- ADDRESS ___
- CLIENT P.O. NO. ___
- CLIENT JOB/PROJECT ID NO(S). 495204-2862/03 HAI lead in waste
- TELEPHONE 323 889 5378
- CONTACT Don Harmon
- PACKAGE SHIPPED FROM ___
- RESULTS REQUESTED VIA VERBAL ☐ FAX ☒
- CLIENT FAX NO. 323 721 6700

(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

- DATE/TIME OF SAMPLE COLLECTION 12/09/04
- SAMPLE PRESERVATIVES NA
- HOLDING TIMES NA
- NO. OF SAMPLES SENT 4
- SAMPLER'S NAME (SIGNATURE) R (PRINTED) Rey Garvniza
- TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER TCLP

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS		VOLUME TIME WEIGHT (IF APPLICABLE)
97695-1 to -4	1-4	Rush all samples through waste characterization		

FOR EMS ONLY

- Laboratory No. 97695
- Received By BKolk
- Time 1823
- Date of Package Delivery 12-13-04
- Shipping Bill Retained: YES ☐ NONE ☒
- Condition of Package on Receipt Good
- Condition of Custody Seal None

(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 4
- Chain-of-Custody Signature BK
- Date of Acceptance into Sample Bank 12-13-04
- Misc. Info. ___
- Disposition of Samples EMS

MACTEC Engineering and Consulting, Inc

Project Name HOJ

Project No. 4452-04-2862

Date 12/09/04

Sample No.	Sample Location/ Activity	Start (type/Color)	Min	Max (Specific Location)	Stop	Total time	Roto	Calib	Volume
Pb 01	10th East Wall/Hall	Brick	Tan	Center of Jailcells to the				[redacted] North/Left hand	
Pb 02	11th East Wall/Hall	Brick	tan	To the North on the East hall					
Pb03	12 West Hall/Wall	Brick	tan	to the Left/South of Center.					
Pb 04	4th Floor NW corner of building	Plaster/Brick	Tan	N wall at NW corner of building					

DATE: December 16, 2004

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.

A. J. Kolk Jr.
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 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.

CLIENT: MACTEC LABORATORY NUMBER: 97714

ELEMENT	DETECTION LIMIT (mg)
LEAD	<0.02

SAMPLE NAME / ELEMENT	WEIGHT (mg)
BLANK	
LEAD	<0.02

METHOD: EPA 7420/3050M/B

ppm = parts per million

SAMPLE NAME / ELEMENT	WEIGHT (mg)	CONCENTRATION (ppm)
DH1412-02	BULK WEIGHT .2323 grams	
LEAD	110	480000
PB-05	BULK WEIGHT 2.099 grams	
LEAD	0.02	11

CHEMIST FVL

SUBMITTAL FORM/*Laboratory Services* 97714

PAGE 1 OF 1

TURNAROUND TIME: STD ____ 48 HR. ____ 24 HR. X
<8 HR. ____ WKND ____ OTHER: ____

RELINQUISHED BY Don E Harman
TIME / DATE 12/14/04

CLIENT MACTEC
ADDRESS ____
TELEPHONE 323 889 5378
CONTACT Don Harman

DATE OF SHIPMENT ____ CARRIER ____
CLIENT P.O. NO. ____
CLIENT JOB/PROJECT ID NO(S). 4952-04-2862
PACKAGE SHIPPED FROM ____

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒ CLIENT FAX NO. 323 721 6700
(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

DATE/TIME OF SAMPLE COLLECTION 12/14
SAMPLE PRESERVATIVES None HOLDING TIMES None
NO. OF SAMPLES SENT 2 SAMPLER'S NAME Don E Harman / Don E. Harman
SIGNATURE PRINTED
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER ____

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION LOCATION	ANALYSIS	VOLUME TIME WEIGHT (IF APPLICABLE)
97714-02	DH 1412-02		TTLC	
√ -05	PB-05		"	

97714

Laboratory No. ____ Received By CH Time 5 PM
Date of Package Delivery 12-14-04 Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt Good Condition of Custody Seal None
(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 Chain-of-Custody Signature ____
Date of Acceptance into Sample Bank 12-14-04 Misc. Info. ____
Disposition of Samples EMS

FOR EMS USE ONLY (SF_SUB)

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

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

The sample(s) was/ were identified as: SC12/13-1 to SC12/13-4, SC12/13-7, SC12/13-9, 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.

A. J. Kolk Jr.
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 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.

CLIENT: MACTEC LABORATORY NUMBER: 97740

ELEMENT	DETECTION LIMIT (mg)
LEAD	<0.007

SAMPLE NAME ELEMENT	WEIGHT (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

CHEMIST _____

CLIENT: MACTEC LABORATORY NUMBER: 97740

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

CHEMIST [signature]

SUBMITTAL FORM/*Laboratory Services* 97740

PAGE ___ OF ___

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. ✗ <8 HR. ___ WKND ___ OTHER: ___

RELINQUISHED BY [signature]
TIME / DATE 12/16/04
DATE OF SHIPMENT ___ CARRIER ___
CLIENT P.O. NO. ___
CLIENT JOB/PROJECT ID NO(S). 4952042862/03
PACKAGE SHIPPED FROM ___

CLIENT MACTEC
ADDRESS ___
TELEPHONE 323 889 5328
CONTACT ___

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒ CLIENT FAX NO. 323 721 6700
(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 34 SAMPLER'S NAME Scott Campbell
SIGNATURE PRINTED
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER Lead

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS	VOLUME TIME WEIGHT IF APPLICABLE
97740-1,2,3	SC12/13-1 to SC12/13-4		
4,7,8	SC12/13-7 to SC12/13-9		
9,13,14	SC12/15-13, SC12/15-14		
17,19,20	SC12/15-17		
21,24→26	SC12/15-19 to SC12/15-21		
14-1,3,8,9	SC12/14-1, SC12/14-3,		
11,15,16,17	SC12/14-8, SC12/14-9		
97740-1-36,→40	SC12/14-11, SC12/15-SC12/15-17		
45→50	SC12/15-19, SC12/14-24 to SC12/14-26		
19,24,25	SC12/14-36, SC12/14-37, SC12/14-39		
26	SC12/14-40, SC12/14-45 to SC12/14-50		

15 lines

Laboratory No. 97740 — Received By [signature] Time 8:00
Date of Package Delivery 12-16-04 — Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt [illegible] — Condition of Custody Seal ___
(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 34 — Chain-of-Custody Signature [signature]
Date of Acceptance into Sample Bank 12-16-04 — Misc. Info. ___
Disposition of Samples [illegible]

(SF-5/00) FOR EMS ONLY

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

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 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.

A. J. Kolk Jr.
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 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.

CLIENT: MACTEC LABORATORY NUMBER: 97740.1

ELEMENT	DETECTION LIMIT (mg)
LEAD	<0.007

SAMPLE NAME ELEMENT	WEIGHT (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
SC1214-45	BULK WEIGHT .5879 grams	
LEAD	3.7	6300
SC1214-46	BULK WEIGHT .6351 grams	
LEAD	<0.007	< 20
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
SC1215-13	BULK WEIGHT .6134 grams	
LEAD	<0.007	< 20
SC1215-14	BULK WEIGHT .5238 grams	
LEAD	<0.007	< 20
SC1215-17	BULK WEIGHT .2125 grams	
LEAD	104	490000
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

CHEMIST _____

SUBMITTAL FORM/*Laboratory Services* 97740.1

PAGE ___ OF ___

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. ___ <8 HR. ___ WKND ___ OTHER: 7d

RELINQUISHED BY Scott Campbell

TIME / DATE 12/16/04

CLIENT MACTEC

DATE OF SHIPMENT ___ CARRIER ___

ADDRESS ___

CLIENT P.O. NO. ___

TELEPHONE 323 889 5328

CLIENT JOB/PROJECT ID NO(S). 495204 2862/03

CONTACT ___

PACKAGE SHIPPED FROM ___

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒ CLIENT FAX NO. 323 721 6700

(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 34 SAMPLER'S NAME Scott Campbell

SIGNATURE PRINTED

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER Lead

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS	VOLUME TIME WEIGHT (IF APPLICABLE)
97740-1,2,3	SC12/13-1 to SC12/13-4		
4,7,8	SC12/13-7 to SC12/13-9		
9,13,14	SC12/15-13, SC12/15-14		
17,19,20	SC12/15-17		
20,24,26	SC12/15-19 to SC12/15-21		
14-1,3,8,9	SC12/14-1, SC12/14-3,		
11,15,16,17	SC12/14-8, SC12/14-9		
97740-36, 40	SC12/14-11, SC12/15-SC12/15-17		
45 → 50	SC12/15-19, SC12/14-24 to SC12/14-26		
19,24,25	SC12/14-36, SC12/14-37, SC12/14-39		
26	SC12/14-40, SC12/14-45 to SC12/14-50		

15 lines

(SF 5/00)

FOR EMS ONLY

97740.1

Laboratory No. ___

Received By ___ Time 8:00

Date of Package Delivery 12-16-04

Shipping Bill Retained: YES ☐ NONE ☒

Condition of Package on Receipt ___

Condition of Custody Seal ___

(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 34

Chain-of-Custody Signature ___

Date of Acceptance into Sample Bank 12-16-04

Misc. Info. ___

Disposition of Samples ___

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

DATE: December 22, 2004

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.

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.

CLIENT: MACTEC LABORATORY NUMBER: 97783

ELEMENT	DETECTION LIMIT (mg)
LEAD	<0.02

SAMPLE NAME / ELEMENT	WEIGHT (mg)
BLANK	
LEAD	<0.02

METHOD: EPA 7420/3050B

SAMPLE NAME / ELEMENT	WEIGHT (mg)	CONCENTRATION (percent)
DH12/18-02	BULK WEIGHT 2.5152 grams	
LEAD	<0.02	<0.0007

CHEMIST FSL

SUBMITTAL FORM/*Laboratory Services*

PAGE 1 OF

TURNAROUND TIME: STD ___ 48 HR. X 24 HR. ___
<8 HR. ___ WKND ___ OTHER: ___

RELINQUISHED BY Don E. Harman
TIME / DATE 12/18

CLIENT MACTEC
ADDRESS
TELEPHONE (323) 889-5378 / 949-861-1097
CONTACT Rick Hamalon / Don Harman

DATE OF SHIPMENT ___ CARRIER ___
CLIENT P.O. NO.
CLIENT JOB/PROJECT ID NO(S). 4952042862/04
PACKAGE SHIPPED FROM

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒
(NOTE: Complete written reports will follow all analyses, in addition to any prior transmitted verbal or fax results.)

CLIENT FAX NO (323) 721-6700

DATE/TIME OF SAMPLE COLLECTION 12/13
SAMPLE PRESERVATIVES ___ HOLDING TIMES ___
NO. OF SAMPLES SENT 1 SAMPLER'S NAME Don E. Harman (SIGNATURE) / Don E. Harman (PRINTED)
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS		VOLUME TIME/WEIGHT (IF APPLICABLE)
97783-2	DH12/18-02	% Lead.		
		0.4" of paper.		

15 lines

Laboratory No. # 97783
Received By [signature] Time 8
Date of Package Delivery 12-20-04
Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt OK
Condition of Custody Seal
(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 1
Chain-of-Custody Signature
Date of Acceptance into Sample Bank 12-20-04
Misc. Info.
Disposition of Samples [illegible]

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

DATE: December 30, 2004

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.

A. J. Kolk Jr.
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 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.

CLIENT: MACTEC LABORATORY NUMBER: 97854.1

ELEMENT	DETECTION LIMIT (mg)
LEAD	<0.007

SAMPLE NAME / ELEMENT	WEIGHT (mg)
BLANK	
LEAD	<0.007

METHOD: EPA 3050M/7420.

ppm = parts per million

SAMPLE NAME / ELEMENT	WEIGHT (mg)	CONCENTRATION (ppm)
SC-12-22-01	BULK WEIGHT .7742 grams	
LEAD	<0.007	< 9
SC-12-22-02	BULK WEIGHT .7684 grams	
LEAD	1.15	1500

CHEMIST FAL

SUBMITTAL FORM/Laboratory Services 97854.1

PAGE 1 OF 1

TURNAROUND TIME: STD ____ 48 HR. ____ 24 HR. ____
<8 HR. ____ WKND ____ OTHER: ASAP

RELINQUISHED BY SCOTT CAMPBELL
TIME / DATE WEDNESDAY 12-22-04

CLIENT MACTEC
ADDRESS
TELEPHONE 323-889-5378
CONTACT DON HARMAN

DATE OF SHIPMENT ____ CARRIER ____
CLIENT P.O. NO. ____
CLIENT JOB/PROJECT ID NO(S). 4952-04-2862 HOJ
PACKAGE SHIPPED FROM ____

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒
CLIENT FAX NO. 323-721-6700
(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 ____ SAMPLER'S NAME Scott Campbell (SIGNATURE) / SCOTT CAMPBELL (PRINTED)
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☐ OTHER ____

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS	VOLUME/ TIME/WEIGHT (IF APPLICABLE)
9785422-1	SC-12-22-01	4TH FL - AT N-O & 9-10 BATHROOM- CERAMIC GREEN FLOOR TILE	BULK LEAD
2	SC-12-22-02	4TH - BATHROOM - N-O - 9-10 - CERAMIC WALL TILE GREYISH	BULK LEAD
3	SC-12-22-03	ELEVATOR LOBBY - ENTRANCE TO THE ELEVATORE 12X12 FLOOR TILE - BLACK - ON LINE I BETWEEN 6-7	BULK PLM
4	SC-12-22-04	ELEVATOR LOBBY - AT THE ELEVATOR ENTRANCE - 12X12 FLOOR TILE BROWN MASTIC ON LINE I BETWEEN 6-7	BULK PLM

15 lines

FOR EMS ONLY

Laboratory No. 97854 ____ Received By ____ Time ____
Date of Package Delivery ____ Shipping Bill Retained: YES ☐ NONE ☐
Condition of Package on Receipt ____ Condition of Custody Seal ____
(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 ____ Chain-of-Custody Signature ____
Date of Acceptance into Sample Bank ____ Misc. Info. ____
Disposition of Samples ____

(SF 5/00)

DATE: December 30, 2004

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.

A. J. Kolk Jr.
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 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.

CLIENT: MACTEC LABORATORY NUMBER: 97905

ELEMENT	DETECTION LIMIT (mg)
LEAD	<0.008

SAMPLE NAME ELEMENT	WEIGHT (mg)
BLANK	
LEAD	<0.008

SAMPLES NO SHOULD BE PRECEDED BY L-SC-12-29-.METHOD: EPA 7420/3050M

ppm = parts per million

SAMPLE NAME ELEMENT	WEIGHT (mg)	CONCENTRATION (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

CHEMIST _____

CLIENT: MACTEC LABORATORY NUMBER: 97905

SAMPLE NAME ELEMENT	WEIGHT (mg)	CONCENTRATION (ppm)
QL-20	BULK WEIGHT .1566 grams	
LEAD	0.39	2500

CHEMIST _____

SUBMITTAL FORM/*Laboratory Services*

97905

PAGE 1 OF 2

TURNAROUND TIME: STD ☐ 48 HR. ☐ 24 HR. ☐
<8 HR. ☐ WKND ☐ OTHER: ASAP

RELINQUISHED BY: Scott CAMPBELL
TIME / DATE: WEDNESDAY 12-29-04

CLIENT: MACTEC
ADDRESS:
TELEPHONE: 323-889-5378
CONTACT: DON HARMAN

DATE OF SHIPMENT: ____ CARRIER: ____
CLIENT P.O. NO.: ____
CLIENT JOB/PROJECT ID NO(S): 4952-04-2862-02 H O J
PACKAGE SHIPPED FROM: ____

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒
CLIENT FAX NO.: 323-721-6700
(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: 15 SAMPLER'S NAME: ____ / SIGNATURE / PRINTED
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☐ OTHER ____

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION LOCATION ANALYSIS	VOLUME, TIME WEIGHT (IF APPLICABLE)
97905-3	L-SC-12-29-03	1ST FL - DRIVEWAY INTERIOR RAMP- N-O-7 = EAST WALL	LEAD BULK SAMPLES
5	L-SC-12-29-QC-05	15TH FL - EAST WALL- BEIGE LINE-11.8 - G-H	
6	L-SC-12-29-QC-06	15TH FL - WEST WALL- BEIGE- LINE=1.2 - D-E	
7	L-SC-12-29-QC-07	14TH FL - WEST WALL TAN- 0-0.8 AT 1,2	
8	L-SC-12-29-QC-08	14TH FL- WALL TAN- 6-6.5 AT = M	
9	L-SC-12-29-QC-09	14TH FL-SOUTH WALL BLUE- 11-12 - E-5	
10	L-SC-12-29-QC-10	12TH FL GREY CELL BAR- FAR NORTH EAST CORNER - 0 - 0.8	
11	L-SC-12-29-QC-11	12TH FL - METAL CELL WALL BEIGE 11 - 11.8 - I-J	
12	L-SC-12-29-QC-12	11TH FL -SHOWER CERAMIC TILE WHITE 5.5-7.5- 6-H	
13	L-SC-12-29-QC-13	11TH FL -METAL CELL GREY WALL 1.2 - 2 - A,2 - B	
14	L-SC-12-29-QC-14	11TH FL METAL STAIRWELL DOOR GREY- 10.8- 11 - A - A,0.5	
15	L-SC-12-29-QC-15	10TH FL RM 1077- EAST WALL TAN 5-6 - A,2 - B	
16	L-SC-12-29-QC-16	10TH FL-RM1077-SOUTH WALL GREEN 4-4.5 - A - A,2	
17	L-SC-12-29-QC-17	10TH FL CEILING BEIGE- H-I - 1-3	
18	L-SC-12-29-QC-18	9TH FL NORTH WALL WHITE - 1-2 - O-P	

15 lines

(SP-3/00)

FOR EMS ONLY

Laboratory No.: 97905
Date of Package Delivery: 12-29-04
Received By: [signature] Time: 1420
Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt: OK
Condition of Custody Seal: ____
(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: 17
Chain-of-Custody Signature: ____
Date of Acceptance into Sample Bank: 12-29-04 [signature]
Misc. Info.: ____
Disposition of Samples: ____

SUBMITTAL FORM/*Laboratory Services*

TURNAROUND TIME: STD ☐ 48 HR. ☐ 24 HR. ☐
<8 HR. ☐ WKND ☐ OTHER: ASAP

RELINQUISHED BY Scott CAMPBELL
TIME / DATE WEDNESDAY 12-29-04

CLIENT MACTEC
ADDRESS
TELEPHONE 323-889-5378
CONTACT DON HARMAN

DATE OF SHIPMENT ☐ CARRIER ☐
CLIENT P.O. NO. ☐
CLIENT JOB/PROJECT ID NO(S). 4952-04-2862-02 HOJ
PACKAGE SHIPPED FROM ☐

RESULTS REQUESTED VIA VERBAL ☐ FAX ☒
CLIENT FAX NO. 323-721-6700
(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 2 SAMPLER'S NAME ☐ (SIGNATURE / PRINTED)
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☐ OTHER ☐

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO.	DESCRIPTION LOCATION	ANALYSIS	VOLUME TIME WEIGHT (IF APPLICABLE)
97905-19	L-SC-12-29-QC-19	9TH FL - SOUTH WALL BEIGE - 6-7 - B.4 - C	LEAD BULK SAMPLES	
20	L-SC-12-29-QC-20	8TH FL - RM 815 - SOUTH WALL WHITE - 11-12 - 14 - L		

15 lines

FOR EMS ONLY

Laboratory No. 97905
Received By ☐ Time ☐
Date of Package Delivery ☐ Shipping Bill Retained: YES ☐ NONE ☐
Condition of Package on Receipt ☐ Condition of Custody Seal ☐
(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 ☐ Chain-of-Custody Signature
Date of Acceptance into Sample Bank ☐ Misc. Info. ☐
Disposition of Samples ☐

APPENDIX F

LABORATORY RESULTS, PCB, SECTION 4.3

AMERICAN SCIENTIFIC LABORATORIES, LLC
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

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

Page: 6
Project ID: 4952-04-2862/18
Project Name: Hall of Justice

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		
Date Sampled		12/15/2004	12/13/2004	12/14/2004		
Date Extracted		12/21/2004	12/21/2004	12/21/2004		
Preparation Method						
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**		
Aroclor-1016 (PCB-1016)	990	ND	ND	ND		
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		

Our Lab I.D.		141121	141122	141123		
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery						
Decachlorobiphenyl	43-169	94	84	88		

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS %REC	LCS DUP %REC	LCS RPD %REC	LCS/LCSD % Limit	LCS RPD % Limit					
Aroclor-1260 (PCB-1260)	72	70	2.8	39-150						

APPENDIX G

LABORATORY RESULTS, MERCURY, SECTION 4.4

DATE: December 22, 2004

CLIENT: MACTEC
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

Lei Wang, Ph.D.

SUBMITTAL FORM/*Laboratory Services* 97739.1

PAGE ___ OF ___

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. ___ <8 HR. ___ WKND ___ OTHER: ___

CLIENT MACTEC	RELINQUISHED BY [illegible]
ADDRESS	TIME / DATE 12/16/04
	DATE OF SHIPMENT ___ CARRIER ___
TELEPHONE 323 889 5378	CLIENT P.O. NO.
CONTACT Don Harman	CLIENT JOB/PROJECT ID NO(S). 4952042862/06
	PACKAGE SHIPPED FROM

RESULTS REQUESTED VIA VERBAL ☐ FAX ☑ 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 12/13

SAMPLE PRESERVATIVES ___ HOLDING TIMES ___

NO. OF SAMPLES SENT 2 + 2 SAMPLER'S NAME ___ SIGNATURE ___ PRINTED ___

TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☑ OTHER

EMS Sample No. (FOR EMS ONLY)	CLIENT SAMPLE NO.	DESCRIPTION/LOCATION/ANALYSIS		VOLUME TIME/WEIGHT (IF APPLICABLE)
97739.-16	SC 12/13-6	Mercury & PLM		
8	SC 12/13-8			

15 lines

Laboratory No. 97739.1	Received By [signature] Time 730
Date of Package Delivery 12-16-04	Shipping Bill Retained: YES ☐ NONE ☐
Condition of Package on Receipt [illegible]	Condition of Custody Seal

(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 [signature]
Date of Acceptance into Sample Bank 12-16-04	Misc. Info.
Disposition of Samples [illegible]	

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

DATE: January 19, 2005

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.

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:	98174
ANALYTE:	Hg
METHOD:	EPA 7471
DATE RECEIVED:	01-17-05
DATE ANALYZED:	01-18-05

DETECTION LIMIT= 2.0 (ppm)

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

Chemist

Simona Fish

SUBMITTAL FORM/Laboratory Services

98174

PAGE ___ OF ___

TURNAROUND TIME: STD ___ 48 HR. ___ 24 HR. X
<8 HR. ___ WKND ___ OTHER: ___

RELINQUISHED BY Scott Campbell
TIME / DATE 1N
CLIENT MACTEC
DATE OF SHIPMENT ___ CARRIER HOUSE
ADDRESS ___
CLIENT P.O. NO. ___
CLIENT JOB/PROJECT ID NO(S). 4952-04-2862/06
TELEPHONE (323) 889-5378
CONTACT Don Harman
PACKAGE SHIPPED FROM ___
RESULTS REQUESTED VIA VERBAL ☐ FAX ☒
CLIENT FAX NO. (323) 721-6700
(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 5 SAMPLER'S NAME ___
SIGNATURE PRINTED
TYPE: ☐ WATER ☐ WASTE WATER ☐ SOIL ☐ FILTER ☐ SORBENT TUBE ☐ IMPINGER ☒ OTHER Mercury

(FOR EMS ONLY) EMS Sample No.	CLIENT SAMPLE NO	DESCRIPTION LOCATION ANALYSIS
98174- 3	SC 122003 (EMS 97854)	Hg concentrations
7	SC 121507 (EMS 97738)	
5	SC 121515 (EMS 97738)	
1	SC 121421 (EMS 97738)	
4	SC 121444 (EMS 97738)	
	~~SC 121366~~	

(SF 5/00)

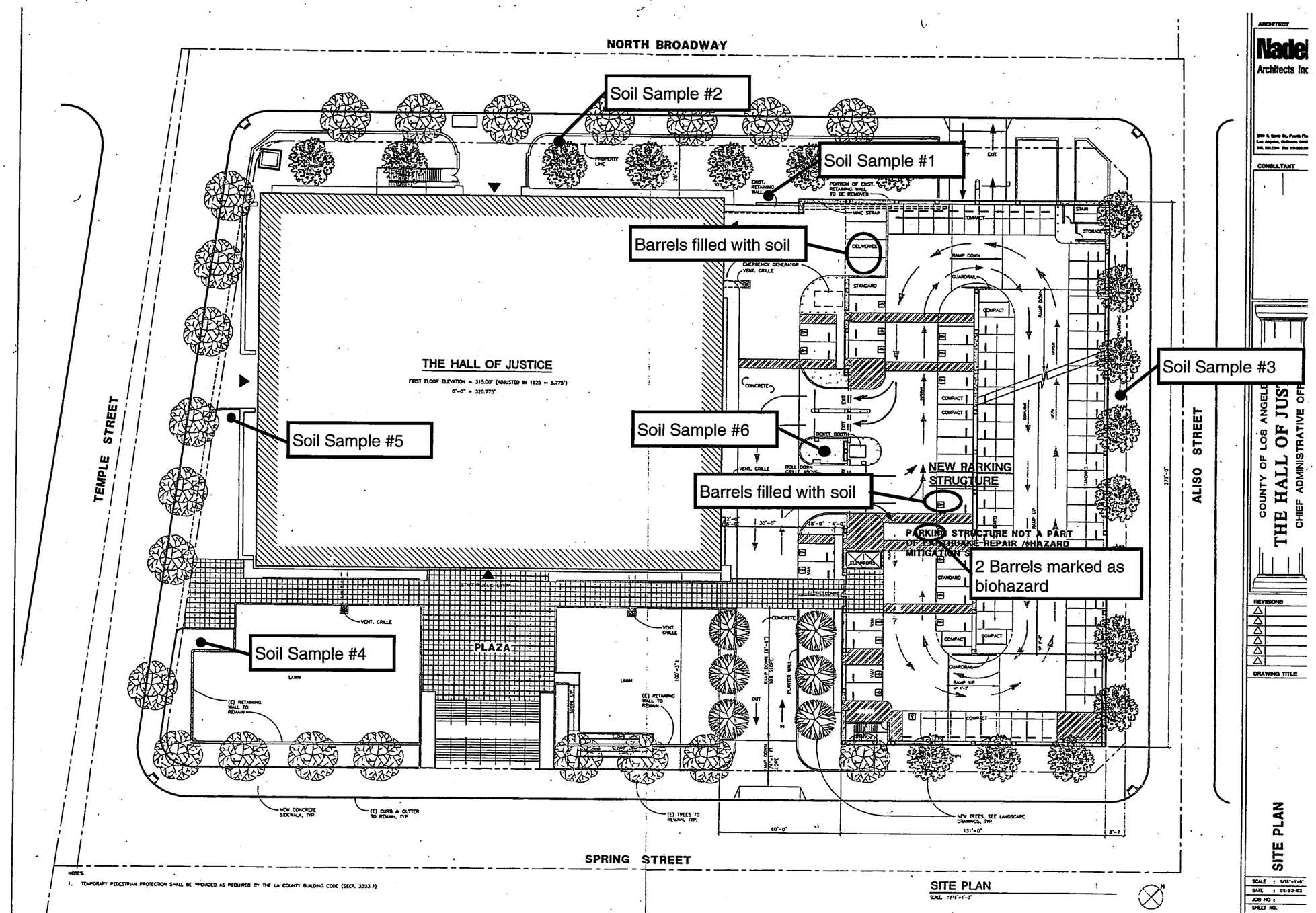
FOR EMS ONLY

Laboratory No. 98174
Received By ___ Time 10:45
Date of Package Delivery 1-17-05
Shipping Bill Retained: YES ☐ NONE ☒
Condition of Package on Receipt ___
Condition of Custody Seal ___
(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 5
Chain-of-Custody Signature ___
Date of Acceptance into Sample Bank 1-17-05
Misc. Info. ___
Disposition of Samples FED EX

EMS LABORATORIES 117 West Bellevue Drive / Pasadena CA 91105-2503 / 626-568-4065

APPENDIX H

FIGURE WITH EXTERIOR SOIL SAMPLE LOCATIONS



ARCHITECT
Nadel Architects Inc
CONSULTANT
COUNTY OF LOS ANGELES
THE HALL OF JUSTICE
CHIEF ADMINISTRATIVE OFFICE
REVISIONS
DRAWING TITLE
SITE PLAN
SCALE : 1/16"=1'-0"
DATE : 06-03-03
JOB NO :
SHEET NO.
A1.01

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 Pages 5
Date Received 10/15/2004
Date Reported 10/22/2004

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
Environmental Testing Services
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Page 1 Of 1

COC# Nº 25675 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 23528

CHAIN OF CUSTODY RECORD

Company: MACTEC		Report To: Don Haarman	ANALYSIS REQUESTED
Address: 200 Citadel	Project Name: Hall of Justice	Address: 200 Citadel	
LA CA 90040	Site Address: Spring St	Invoice To:	
Telephone: (323) 889-5378	LA CA	Address:	
Fax: (323) 721-6200			
Special Instruction:	Project ID: 4952-04-2862.18		
	Project Manager: Don Haarman	P.O.#:	

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	8015 full range	CAM 17	Remarks
	137711	#1	10/14	AM		4oz jar			✓	✓	
	137712	#2	10/14	AM					✓	✓	
	137713	#3	10/14	AM					✓	✓	
	137714	#4	10/14	AM					✓	✓	

Collected By: Don Haarman	Date 10/14	Time AM	Relinquished By: Date Time
Relinquished By:	Date	Time	Received For Laboratory: Date 10.15.04 Time 11:20
Condition of Sample:			TAT ☑ Normal ☐ Rush

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

AMERICAN SCIENTIFIC LABORATORIES, LLC
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
L.A. CA

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

Page: 2
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	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH DRO (C13-C22)	10	ND	ND	ND	ND	
TPH ORO (C22+)	50	ND	ND	ND	ND	

Our Lab I.D.		137711	137712	137713	137714	
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
Chlorobenzene	70-120	77	84	78	78	

QUALITY CONTROL REPORT

Batch No: 101804-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	110	101	8.5	75-120	15					

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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

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

Method: 8015M/DHSLUFT, TPH as Gasoline

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	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH as Gasoline (C4-C12)	0.5	ND	ND	ND	ND	

Our Lab I.D.		137711	137712	137713	137714	
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery						
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					
Benzene	108	100	7.7	75-125	15					
Toluene (Methyl benzene)	105	99	5.9	75-125	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
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
L.A., CA

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

Page: 4
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)

Batch No:

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		10/19/2004	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	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals						
Mercury	0.20	ND	ND	ND	ND	
ICP Metals						
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:

Analytes	LCS % REC	LCS/LCSD % Limit								

AMERICAN SCIENTIFIC LABORATORIES, LLC
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:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	92	80-120								
ICP Metals										
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 Inc
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

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

CHAIN OF CUSTODY RECORD

COC# № 25676 GLOBAL ID ____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 24065

Company: MACTEC
Address: 200 Citadel Dr, LA 90040
Telephone: 323 889-5378
Fax: 323 721-6200
Special Instruction: fax results

Project Name: Hall of Justice
Site Address: Spring St
Project ID: 4952-04-2862/18
Project Manager: Don Harman

Report To: DON HARMON
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: 8015 DHS LUFT TPH x OR; 8015M GAS; Title 22 (24hr)

ITEM	Lab ID	Sample ID	Date	Time	#	Type	Matrix	Preservation	8015 DHS LUFT TPH x OR	8015M GAS	Title 22	Remarks
	140408	#5@6"	12/8/04	930	1	JAR	SOIL	Cooler	X	X	X	

Collected By: MIKE EAGEN Date 12/8/04 Time 1100
Relinquished By: Don E. Harman Date 12-9 Time 1415
Condition of Sample:

Relinquished By: Date Time
Received For Laboratory: [signature] Date 12-9-04 Time 1415

TAT: ☐ Normal ☒ Rush

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
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

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

Page: 2
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				
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**				
AA Metals						
Mercury	0.20	ND				
ICP Metals						
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:

Analytes	LCS % REC	LCS/LCSD % Limit									

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Page: 3
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)

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	107	80-120								
ICP Metals										
Antimony	87	80-120								
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								
Lead	85	80-120								
Molybdenum	86	80-120								
Nickel	95	80-120								
Selenium	91	80-120								
Silver	90	80-120								
Thallium	81	80-120								
Vanadium	89	80-120								
Zinc	92	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

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: 4
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 I.D.		140408				
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**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	ND				

Our Lab I.D.		140408				
Surrogates	**Con. Limit**	**% Rec.**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	99				

QUALITY CONTROL REPORT

Batch No: 121004-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	104	111	6.5	75-120	15					

AMERICAN SCIENTIFIC LABORATORIES, LLC
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

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

Page: 5
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.		140408				
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**				
TPH as Gasoline (C4-C12)	0.5	ND				

Our Lab I.D.		140408				
Surrogates	**Con. Limit**	**% Rec**				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	96				

QUALITY CONTROL REPORT

Batch No: 121004-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	85	84	1.2	75-125	15					
Toluene (Methyl benzene)	94	93	1.1	75-125	15					

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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 Rick Hamaken

Number of Pages 6
Date Received 12/20/2004
Date Reported 12/22/2004

Job Number	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

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

CHAIN OF CUSTODY RECORD

COC# № 25680 GLOBAL ID ______ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 24177

Company:	M ACTEZ
Address:	200 CITADEL 90040
Telephone:	(323) 889-5378
Fax:	(323) 721-6700
Special Instruction:	fax results to Rick Hamaker @
Project Name:	Hall of Justice
Site Address:	Spring Street
Project ID:	4952-04-2862/18
Project Manager:	Don Havman
Report To:	Rick Hamaker
Address:	cell 949-861-1097
Invoice To:	
Address:	
P.O.#:	

ANALYSIS REQUESTED

ITEM	Lab ID (LAB USE ONLY)	Sample ID	Date	Time	#	Type	Matrix	Preservation	8015 DHS LUST TPH/foro	8015 M Gas	Title 22	~~Barite~~	PCB 2 EPA 8082A	Remarks
	141120	#6@6"	12/14/04	0800	1	Jar	Soil		✓	✓	✓			
	141121	SC12/15-18	12/15/04	—	1	Jar	Wipe						✓	log. ft.
	141122	SC12/13-5	12/13/04	—	1	Jar	Wipe					[illegible]	✓	log. ft.
	141123	SC12/14-31	12/14/04	—	1	Jar	Wipe					[illegible]	✓	log. ft.

Collected By: Mike Eagan Date 12/14 Time 800

Relinquished By: Andrew B. Harris Date 12/20 Time 1:25pm

Relinquished By: ______ Date ______ Time ______

Received For Laboratory: [signature] Date 12/20/04 Time 1623

Condition of Sample:

TAT: ☐ Normal ☒ Rush 48 hr.

White - Report, Yellow - Laboratory, Pink - Client

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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: Rick Hamaken
Page: 4
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 DRO AND ORO

Batch No: 122104-1

Our Lab I.D.		141120				
Sample ID		#6@6"				
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**				
TPH DRO (C13-C22)	10	ND				
TPH ORO (C22+)	50	ND				

Our Lab I.D.		141120				
Surrogates	**Con Limit**	**% Rec**				
Surrogate Percent Recovery						
Chlorobenzene	70-120	118				

QUALITY CONTROL REPORT

Batch No: 122104-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	103	103	<1	75-120	15					

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ANALYTICAL RESULTS

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Los Angeles, CA 90040-

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Spring Street

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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				
Sample ID		#6@6"				
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**				
TPH as Gasoline (C4-C12)	0.5	ND				

Our Lab I.D.		141120				
Surrogates	**Con Limit**	**% Rec**				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	91				

QUALITY CONTROL REPORT

Batch No: 122104-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	90	88	2.2	75-125	15					
Toluene (Methyl benzene)	99	97	2.0	75-125	15					

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Los Angeles, CA 90040-

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Spring Street

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Attn: Rick Hamaken

Page: 2
Project ID: 4952-04-2862/18
Project Name: Hall of Justice

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

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

Batch No:

Our Lab I.D.		141120				
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 Multiplier		1				
Analytes	**PQL**	**Results**				
AA Metals						
Mercury	0.20	ND				
ICP Metals						
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

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								

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ANALYTICAL RESULTS

Page: 3
Project ID: 4952-04-2862/18
Project Name: Hall of Justice

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

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

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	94	80-120								
ICP Metals										
Antimony	98	80-120								
Arsenic	102	80-120								
Barium	104	80-120								
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								

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Ordered By

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

Telephone (323)889-5300
Attn Don Harman

Number of Pages 8
Date Received 12/09/2004
Date Reported 12/10/2004

Job Number	Ordered	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

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CHAIN OF CUSTODY RECORD

COC# № 25678 GLOBAL ID ______ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 24064

Company: MACTEC
Address: 200 N. Citadel DR, LA CA
Telephone/Fax: 323-8895300
Special Instruction: (323) 721-6200 Fax results

Project Name: HALL JUSTICE
Site Address: SPRING St
Project ID: 4952-04-2862/18
Project Manager: Don Harman

Report To: DON HARMON
Address:
Invoice To:
Address:
P.O.#:

ANALYSIS REQUESTED: TPH 8260; Title 22 Metals; 24 hr

ITEM	Lab ID (LAB USE ONLY)	Sample ID	Date	Time	#	Type	Matrix	Preservation	TPH	8260	Title 22 Metals	Remarks
1	140403	BARREL #1	12/8/04	745	1	JAR	SOIL	Cooler				Composite
		#2		750					X	X	X	1-2-3
		#3		755								
2	140404	#4		800					X	X	X	Composite
		#5		805								4-5-6
		#6		810								
3	140405	#7		815								Composite
		#8		830					X	X	X	7-8-9-10
		#9		835								
		#10		840								

Collected By: [signature] Date 12/8/04 Time
Relinquished By: Don E. Harman [signature] Date 12-9 Time 1415
Relinquished By: Date Time
Received For Laboratory: [signature] Date 12/9/04 Time 1418
Condition of Sample:

TAT: ☐ Normal ☒ Rush 24 HR

White - Report, Yellow - Laboratory, Pink - Client

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CHAIN OF CUSTODY RECORD

COC# № 25679 GLOBAL ID _____ ELECTRONIC REPORT: ☐ EDF ☐ EDD ASL JOB# 24064

Company: MACTEC		Report To: DON HARMON
Address: 200 N Citrus	Project Name: HALL JUSTICE	Address:
LA CA	Site Address: SPRING ST.	Invoice To:
Telephone: 323 889 5378		Address:
Fax: 323 721 6700		
Special Instruction:	Project ID: 4952-04-2862/18	
fax results	Project Manager: Don Harmon	P.O.#:

ANALYSIS REQUESTED: TPH 8260, Title 22 metals

ITEM	LAB USE ONLY Lab ID	SAMPLE DESCRIPTION Sample ID	Date	Time	Container(s) #	Type	Matrix	Preservation	24hr	Remarks
4	140406	BARREL 11	12/8/04	845	1	JAR	SOIL	COOLER		
		12		850	1				XXX	Composite 11-12-13-14
		13		900	1					
		14		905	1					
5	140407	15		910	1					
		16		915	1				XXX	Composite 15-16-17
		17		920	1					

Collected By:	Date 12/8/04 Time	Relinquished By:	Date Time
Relinquished By: Don E. Harmon	Date 12/9 Time 1415	Received For Laboratory	Date 12-9-04 Time 1415
Condition of Sample:			TAT ☐ Normal ☒ Rush 24 hr

White - *Report*, Yellow - *Laboratory*, Pink - *Client*

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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: 2
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)

Batch No:

Our Lab I.D.		140403	140404	140405	140406	140407
Sample ID		Barrel #(1,2,3)	Barrel #(4,5,6)	Barrel #(7,8,9,10)	Barrel #(11,12,13,14	Barrel #(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						
Mercury	0.20	ND	ND	ND	ND	ND
ICP Metals						
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

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ANALYTICAL RESULTS

Page: 3
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

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	107	80-120								
ICP Metals										
Antimony	87	80-120								
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								
Lead	85	80-120								
Molybdenum	86	80-120								
Nickel	95	80-120								
Selenium	91	80-120								
Silver	90	80-120								
Thallium	81	80-120								
Vanadium	89	80-120								
Zinc	92	80-120								

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ANALYTICAL RESULTS

Ordered By

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200 Citadel Dr.
Los Angeles, CA 90040-

Site

Spring Street

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

Page: 4
Project ID: 4952-04-2862/18
Project Name: 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	140407
Sample ID		Barrel #(1,2,3)	Barrel #(4,5,6)	Barrel #(7,8,9,10)	Barrel #(11,12,13,14	Barrel #(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**
TPH DRO (C13-C22)	10	ND	ND	ND	ND	ND
TPH ORO (C22+)	50	ND	ND	ND	ND	ND

Our Lab I.D.		140403	140404	140405	140406	140407
Surrogates	**Con Limit**	**% Rec.**	**% Rec**	**% Rec**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
Chlorobenzene	70-120	89	90	88	119	120

QUALITY CONTROL REPORT

Batch No: 121004-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Diesel	104	111	6.5	75-120	15					

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ANALYTICAL RESULTS

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Page: 5
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 #(1,2,3)	Barrel #(4,5,6)	Barrel #(7,8,9,10)	Barrel #(11,12,13,14	Barrel #(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

Page: 6
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 #(1,2,3)	Barrel #(4,5,6)	Barrel #(7,8,9,10)	Barrel #(11,12,13,14	Barrel #(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	ND	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	ND	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	ND	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

AMERICAN SCIENTIFIC LABORATORIES, LLC
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 #(1,2,3)	Barrel #(4,5,6)	Barrel #(7,8,9,10)	Barrel #(11,12,13,14	Barrel #(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.		140403	140404	140405	140406	140407
Surrogates	**Con.Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
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

Batch No: 121004-1C

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

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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: 8
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.		140403	140404	140405	140406	140407
Sample ID		Barrel #(1,2,3)	Barrel #(4,5,6)	Barrel #(7,8,9,10)	Barrel #(11,12,13,14	Barrel #(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**
TPH as Gasoline (C4-C12)	500	ND	ND	ND	ND	ND

Our Lab I.D.		140403	140404	140405	140406	140407
Surrogates	**Con. Limit**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**
Surrogate Percent Recovery						
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

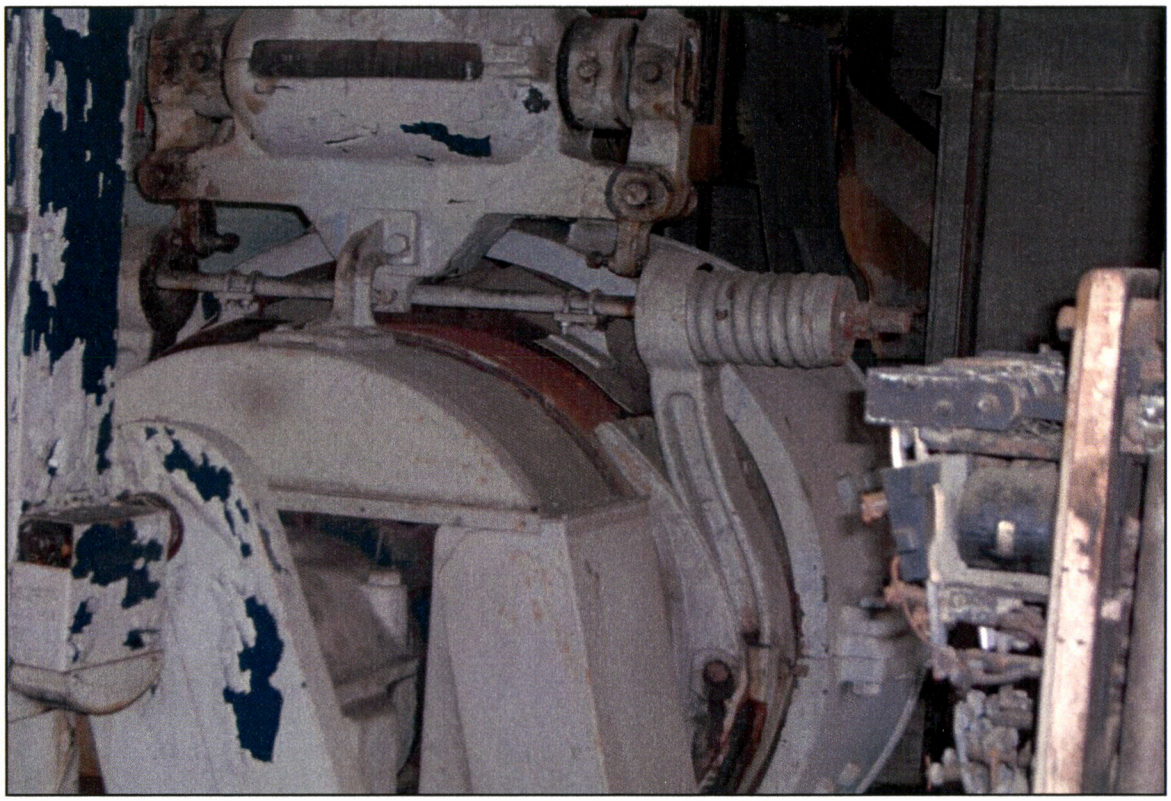
QUALITY CONTROL REPORT

Batch No: 121004-1C

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	119	119	<1	75-120	15					
Chlorobenzene	112	106	5.5	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	119	104	13.5	75-120	15					
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

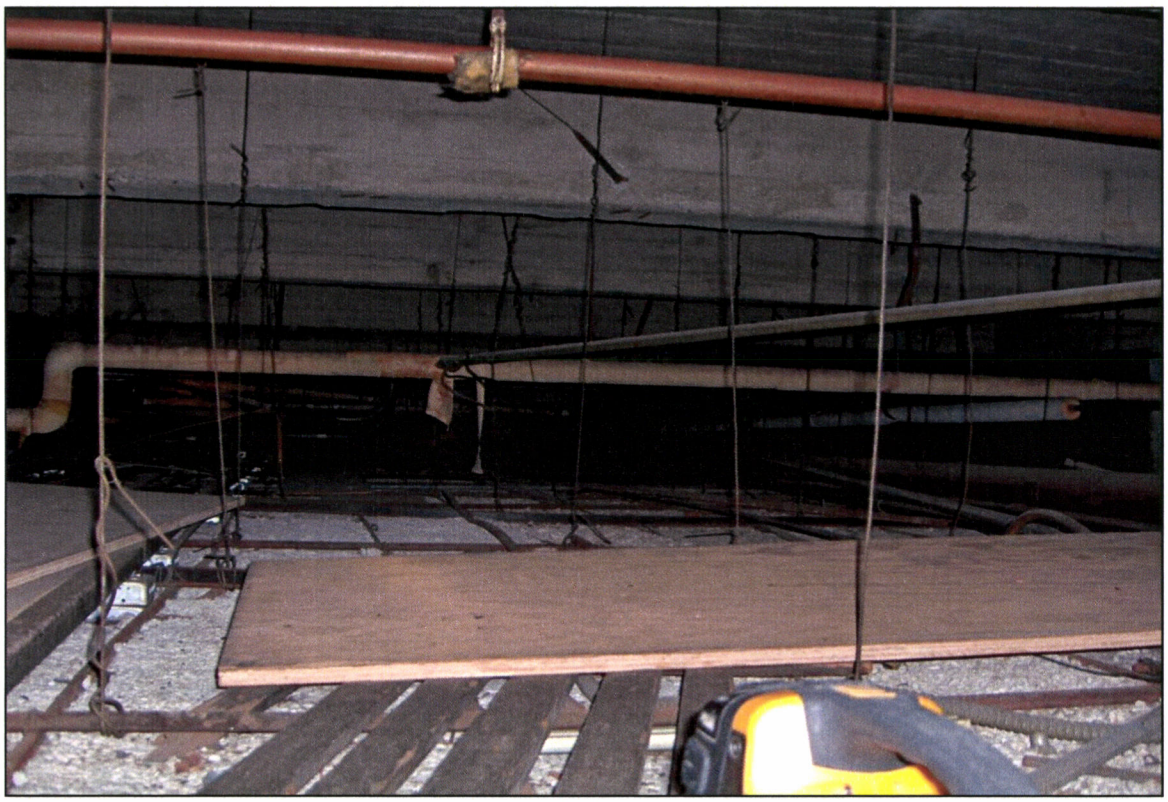


Photograph 1: Elevator equipment with asbestos brake pads

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



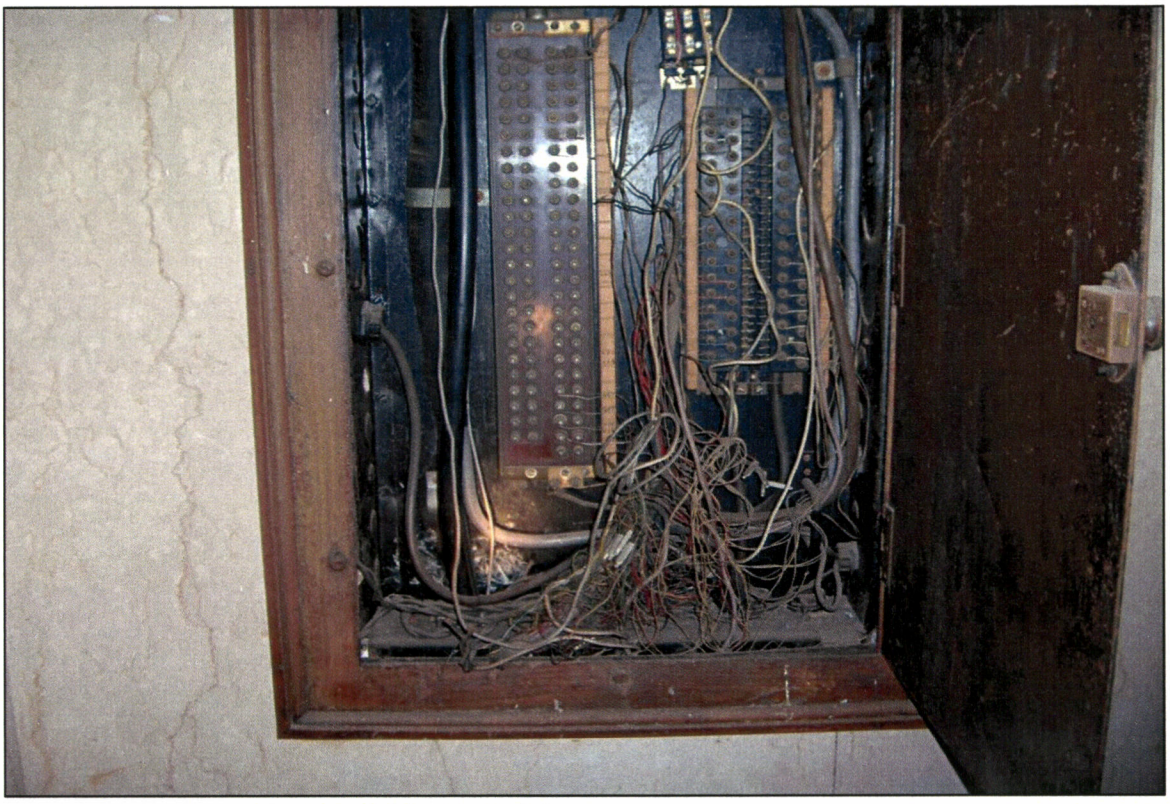
Photograph 5: Interstitial space above courtroom showing piping with asbestos containing insulation

Photograph 6: Typical vertical piping with asbestos containing insulation

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

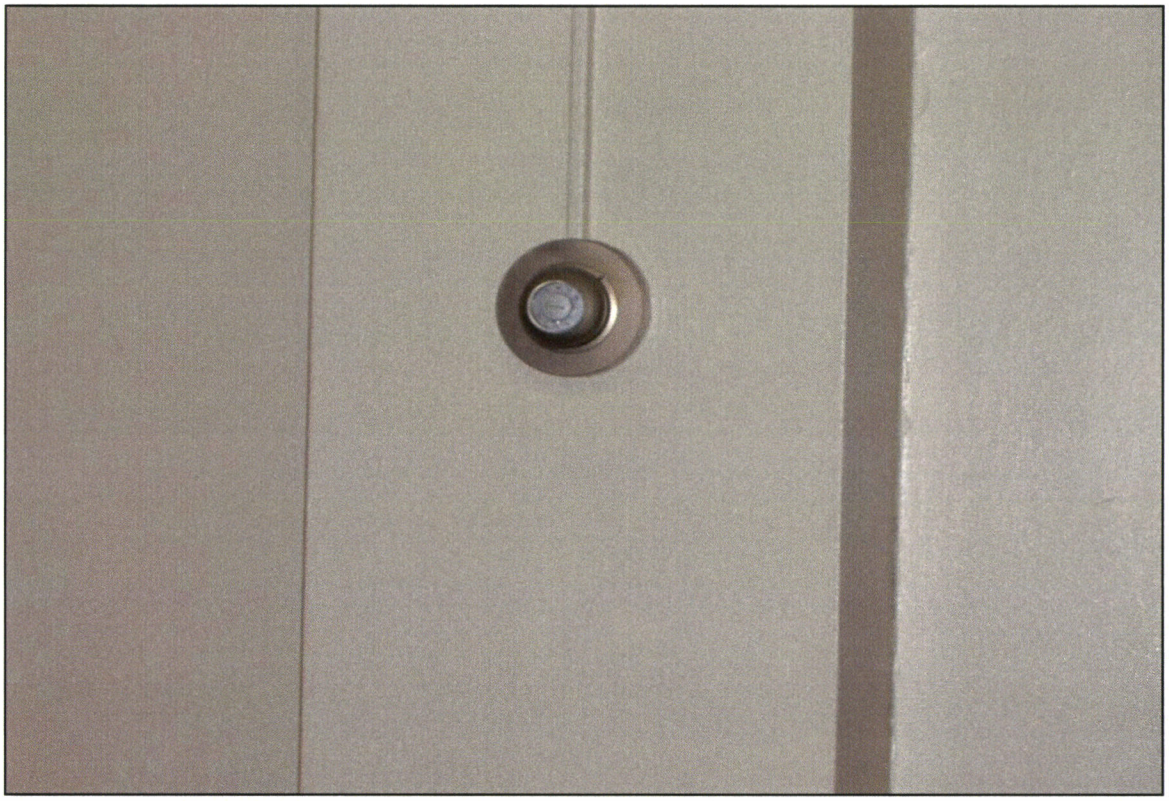
Photograph 8: Typical flaking lead-based paint

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