

**HAZARDOUS BUILDING MATERIALS
SURVEY REPORT
FOR
EAST COUNTY REGIONAL CENTER
EL CAJON, CALIFORNIA**



**PREPARED FOR
JUDICIAL COUNCIL OF CALIFORNIA
SAN FRANCISCO, CALIFORNIA
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PREPARED BY



AMEC FOSTER WHEELER



**HAZARDOUS BUILDING MATERIALS SURVEY REPORT
FOR
EAST COUNTY REGIONAL CENTER
EL CAJON, CA**

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REVIEW AND APPROVAL

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1 INTRODUCTION

The Judicial Council of California (JCC) contracted Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) to perform a limited hazardous building materials survey at the East County Regional Center (ECRC) in El Cajon, California. The survey is to support planned renovations and upgrades of the elevator system within the building.

This Hazardous Building Materials Survey Report summarizes the work conducted; discusses findings regarding the location, quantity, and condition of hazardous building materials; and includes recommendations for addressing identified or potential hazards through abatement or management practices.

1.1 SITE LOCATION AND DESCRIPTION

The ECRC is located at 250 East Main Street in the City of El Cajon in San Diego County. The building is a nine-story building constructed in 1980. The building as a facility is operated by JCC. It houses the east county location for the Superior Court of San Diego as well as facilities for the San Diego County Sheriff's Office, San Diego County District Attorney's Office, Revenue and Recovery Office, and offices for the San Diego Board of Supervisors. The lower floors of the building are occupied by offices, courtrooms, and facility operation spaces. The uppermost floors formerly contained a jail, but those spaces have been renovated or gutted and are now vacant.

1.2 PROJECT OBJECTIVE AND SCOPE

The objective of the hazardous building material survey is to identify building materials that will require abatement, removal, or special handling, or have unique disposal requirements. If not addressed properly, these materials may expose workers and building occupants to health hazards if disturbed during renovation or demolition activities. In addition, not addressing hazardous building materials properly may invoke fines, citations, penalties from regulatory agencies or litigation from those potentially exposed to hazardous conditions.

This survey is limited to areas of the building that will be impacted by the planned renovation/upgrade of the elevators and related systems in the ECRC. These areas include elevator shafts 1, 2, 3, 4, 5, 6, 7, 8 (Judge's elevator), and 10 (service elevator), their associated elevator cabs, mechanical rooms 6, 8, and 9 (penthouse and lower), and elevator lobbies on the 1st, 6th, 7th and 9th floors. This survey report cannot be used to apply to other areas of the building that are not under this project scope.

1.3 DEFINITIONS

Definitions of certain terms used in this report are as generally defined in Title 40 of the *Code of Federal Regulations* (CFR), Part 763.83 (Definitions) and California Code of Regulations (CCR):

- **Asbestos** is defined as the asbestiform varieties of chrysotile (serpentine), crocidolite (riebeckite), amosite (cummingtonite or grunerite), anthophyllite, tremolite, and actinolite. Asbestos is a naturally occurring silicate mineral with long, thin, fibrous crystals. It poses an environmental and health concern because the inhalation of asbestos fibers can cause serious illnesses, including malignant mesothelioma, lung cancer, and asbestosis (also called pneumoconiosis).

- **Friable** refers to material that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Friable material includes previously non-friable material that, after sustaining damage, can be crumbled, pulverized, or reduced to powder by hand pressure when dry.
- **Lead Based Paint** refers to paint that contains greater than 5,000 ppm of greater than or equal to 1.0 milligrams per square centimeter (mg/cm²).
- **Non-friable** refers to material that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- **Homogeneous material** is defined an area of surfacing material, thermal system insulation (TSI) material, or miscellaneous material that is uniform in color and texture.

2 REGULATORY OVERVIEW

The Occupational Safety and Health Administration (OSHA), the United States (U.S.) Environmental Protection Agency (EPA), the California Department of Occupational Safety and Health Administration (Cal/OSHA), the California Department of Public Health (CDPH), and the San Diego Air Pollution Control District (APCD) are the regulatory agencies that govern this project. The primary regulations enforced by agencies that govern various activities relating to asbestos-containing material (ACM), lead-based paint (LBP) (such as inspection, sampling, analysis, assessment, abatement, operation and maintenance, etc.), and other hazardous materials are as follows:

- Asbestos Hazardous and Emergency Response Act (AHERA) of 1986
- National Emission Standards for Hazardous Air Pollutants (NESHAP)
- The Construction and General Industry Standards for Asbestos (as codified by Federal OSHA)
- Toxic Substance Control Act (TSCA) of 1976
- Title 8, California Code of Regulations (CCR)
- Title 17, CCR

The EPA regulations are included within the NESHAP and AHERA regulations, which are contained in 40 CFR Part 61, Subpart M, and 40 CFR Part 763, Subpart E, respectively.

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3 PROJECT PERSONNEL

The asbestos surveys at ECRC were conducted by the following personnel:

- John Mitchell, Certified Asbestos Consultant (CAC) #97-2289, CDPH Lead Inspector/Risk Assessor #I-2933.

Appendix B provides copies of certifications and licenses held by Amec Foster Wheeler survey team personnel.

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4 HAZARDOUS BUILDING MATERIALS SURVEY PROCEDURES AND ANALYSIS

Amec Foster Wheeler conducted the hazardous building material survey on January 4, 2018. The survey consisted of three components: an asbestos survey, an LBP survey, and a survey for other hazardous building materials.

Section 4.1 discusses asbestos survey and sampling procedures, Section 4.2 discusses LBP survey procedures, and Section 4.3 discusses the procedures for the survey of other hazardous building materials. Table 1 provides a summary of all hazardous building materials identified during the survey.

4.1 ASBESTOS SURVEY AND SAMPLING PROCEDURES, METHODS, AND ANALYSIS

The following information summarizes the asbestos survey and sampling methods used during this survey

- A visual walk-through survey of the interior and exterior of each building was conducted to assess the presence, location, and condition of suspected ACM.
- Each homogeneous material suspected of containing ACM was assigned a consecutive number starting from "001."
- The quantity of suspected ACM for each sampled homogeneous material was calculated on the basis of the measured dimensions of the area.
- Bulk building material samples were collected for laboratory analysis to confirm the presence of ACM in accordance with the AHERA random sampling scheme (40 CFR Part 763.86). The collection of bulk samples per AHERA was based on the type of material and size of the homogeneous sampling area (HSA). For surfacing materials, the 3-5-7 Rule was followed. The 3-5-7 Rule, as defined by AHERA, dictates that three samples are collected for suspected materials with an area less than 1,000 square feet (ft²), five samples for materials between 1,000 ft² and 5,000 ft², and seven samples for materials greater than 5,000 ft². For miscellaneous materials, the inspector collected a sufficient number of samples to determine whether a friable or non-friable miscellaneous material was an ACM (at a minimum, one sample collected for each HSA).
- Some materials were not sampled and were assumed to be ACM. These materials are noted as presumed asbestos containing material (PACM) in Table 2.
- Bulk building material samples were sent under chain of custody to Patriot Laboratories in Fullerton, California, for analysis. Patriot Laboratories is a licensed and accredited laboratory under the National Voluntary Laboratory Accreditation Program (NVLAP) administered by the National Institute of Standards and Technology (NIST).
- Bulk building material samples were analyzed for the presence of asbestos using the polarized light microscopy (PLM) method (EPA 600/R-93-116).

Results of asbestos surveys for each building are provided in the Asbestos Inventory (Table 2). The Patriot Laboratories report is provided as Attachment 1.

4.2 LEAD BASED PAINT SURVEY AND SAMPLING PROCEDURES AND METHODS

The following information summarizes the asbestos survey and sampling methods used during this survey.

- A lead inspection was conducted in accordance with the protocols outlined in Chapter 7 of the U.S. Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing (HUD 2012).
- In each room evaluated, each side was designated a label. The room side with the main entrance was designated "Side A." Side B, C, and D were assigned moving clockwise from Side A.
- Each painted building component per side was then analyzed for lead content using a handheld X-Ray Fluorescence (XRF) analyzer (Innov-x Alpha XRF Analyzer). The XRF analyzer analyzes paint *in situ* and gives an immediate result (eliminating the need to collect samples or for laboratory analysis). It is capable of analyzing through multiple layers of paint (over 30). XRF technology is an approved method by the U.S. EPA, HUD, and CDPH to perform LBP surveys.
- At the conclusion of each test, the building component, side, color, substrate type (metal, wood, concrete, plaster, drywall, or brick) and the test result were recorded.
- In addition, each building component was evaluated for the condition of its painted surfaces. Intact condition indicated no to minimal damage, Damaged condition indicated 1% to 10% damaged, and Significantly Damaged indicated more than 10% damage (across the entire building component).
- Per CCR Title 17, any building component with an XRF test result of 1.0 mg/cm² was considered to contain LBP.

4.3 OTHER HAZARDOUS MATERIALS SURVEY PROCEDURES AND METHODS

Other than ACM and LBP, the primary potential hazardous building materials of concern include mercury and polychlorinated biphenyls (PCBs). Mercury can be found in electrical switches and balances. PCBs can be found in hydraulic and lubricating oils and ballasts on fluorescent light bulbs.

Building components that may contain these hazardous materials were visually assessed for their presence. In addition, Safety Data Sheets (SDS) of materials used (such as lubricating oils) were evaluated for the presence of hazardous materials.

5 HAZARDOUS BUILDING MATERIAL SURVEY RESULTS

This section presents the results for the hazardous building material survey. Section 5.1 provides results for the asbestos survey conducted. Section 5.2 provides results for the LBP survey conducted. Section 5.3 presents results of the other hazardous building materials survey. A summary of all hazardous building materials is provided in Table 1.

5.1 ASBESTOS SURVEY RESULTS

During the survey, eleven (11) homogeneous materials suspected of containing asbestos were identified. From those materials, the survey team collected thirty-eight (38) bulk samples and submitted them to the laboratory for analysis. The laboratory identified no samples as containing asbestos. However, a fire door in the 6th floor lobby of elevator #10 (service elevator) was not sampled because it would have caused irreparable damage, and the fire door was a functional building component. Fire doors are likely to contain asbestos. Therefore, it is assumed that the fire door is ACM.

A complete inventory of asbestos samples collected is provided in Table 2.

5.2 LEAD BASED PAINT SURVEY RESULTS

During the LBP survey, five (5) building components had an XRF result greater than or equal to 1.0 mg/cm², and thus were identified as containing LBP. All of the identified LBP building components were located in the penthouse (upstairs) section of mechanical room #9. The LBP building components identified are as follows:

- Red metal stairs on staircase leading to the mechanical room #9 penthouse had an XRF result of 1.68 mg/cm² (approximately 90 square feet).
- Red metal hand rail on staircase leading to mechanical room #9 penthouse had an XRF result of 2.07 mg/cm² (approximately 20 square feet).
- Red metal stair stringer on staircase leading to mechanical room #9 had an XRF of 3.05 mg/cm² (approximately 30 square feet).
- Green metal housing for the gear to the side of elevator engine #7 had a result of greater than 1.0 mg/cm² (approximately 6 square feet).
- Green metal housing for the gear to the side of elevator engine #10 had a result of greater than 1.0 mg/cm² (approximately 6 square feet).

All identified LBP building materials had intact painted surfaces. The complete XRF results are provided in Table 3.

5.3 OTHER HAZARDOUS MATERIALS SURVEY RESULTS

Other than ACM and LBP, the primary potential hazardous building materials of concern include mercury and polychlorinated biphenyls (PCBs). Mercury can be found in electrical switches and balances. PCBs can be found in hydraulic and lubricating oils and ballasts on fluorescent light bulbs.

During visual inspection of electrical panels and circuit boards associated with the elevator and mechanical systems, no mercury-containing electrical switches or balances were identified.

The elevator systems use only mechanical “belt and pulley” systems. These systems are not hydraulic and contain no hydraulic fluid. The label and Safety Data Sheet (SDS) for the transmission fluid used to lubricate the elevator engines was examined and verified as “PCB Free.” ECRC personnel confirmed that the same transmission oil is used in all engines. In addition, ECRC personnel indicated that the elevator systems, including all engines, were manufactured and installed in the 1980s, which is after PCBs were banned in the U.S. as part of the Toxic Substance Control Act in 1976. Given this information, it is not likely that PCBs are present in the elevator systems that will be impacted by the planned renovations.

6 CONCLUSIONS AND RECOMMENDATIONS

The red metal stairs, handrail, and stair stringer that lead from the lower section of mechanical room #9 to the penthouse were identified as containing LBP. In addition, the housing for the stand-alone gears adjacent to elevator engines #7 and #10 were identified as containing LBP. The painted surfaces of these building components were found to be intact. These building components were each installed as a single piece, and appear to be able to be uninstalled in one piece. The building components do not require abatement if removed under the following conditions:

- They are removed by personnel that have received lead-safe Renovation, Repair, and Painting (RRP) training.
- LBP building components are removed in whole pieces.
- Painted surfaces are not sanded, cut, ground, or otherwise damaged.
- Building components are wrapped in 10-millimeter polyethylene sheeting prior to disposal.

The fire door installed outside of the door for elevator #10 (service elevator) on the 6th floor lobby is assumed to contain ACM. Because of the nature of the fire door, it will be difficult to conduct further testing to confirm the presence of ACM. Therefore, it is recommended that the fire door be treated as ACM during renovation activities. Similar to LBP building components, abatement is not necessary if the fire door is removed in one whole piece and it is not damaged when removed. Because it is non-friable, it may be wrapped in 10-millimeter polyethylene sheeting and disposed of in a landfill permitted to accept non-friable ACM waste.

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7 LIMITATIONS

This hazardous building materials survey evaluated accessible materials located within the scoped renovation areas. Survey results, findings, and conclusions apply only to building conditions observed at the time of the survey. Observations are based on the qualified opinions of Amec Foster Wheeler site personnel and interpretation of analytical data.

This report cannot be used to infer conclusions on the presence of hazardous materials in any other building materials not specifically evaluated during this survey, including similarly appearing building materials located outside of scoped project areas. In addition, it may be possible that concealed materials may be uncovered during the course of the planned renovation and upgrades. These materials, if they are encountered, were not evaluated by this survey. Therefore, no conclusions may be made regarding their hazardous material content based on the findings of this report. These materials must be tested by qualified personnel or must be assumed to be hazardous and treated as such.

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8 REFERENCES

United States Department of Housing and Urban Development (HUD). 2012. "The Guidelines for the Evaluation and Control of Lead Based Paint Hazards in Housing" November.

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TABLES

- Table 1 Summary of Identified Hazardous Building Materials Survey Report
- Table 2 Asbestos Survey Inventory
- Table 3 XRF Survey Table

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Table 1
Summary of Identified Hazardous Building Materials Survey Report
East County Regional Center, El Cajon, CA

Room	Building Component	Hazard	Analytical Result	Quantity
9 (Penthouse)	Stairs	LBP	1.68 mg/cm ²	90 ft ²
9 (Penthouse)	Stair Handrail	LBP	2.07 mg/cm ²	20 ft ²
9 (Penthouse)	Stair Stringer	LBP	3.05 mg/cm ²	30 ft ²
9 (Penthouse)	Gear Housing #7	LBP	>1.00 mg/cm ²	6 ft ²
9 (Penthouse)	Gear Housing #10	LBP	>1.00 mg/cm ²	6 ft ²
6 th Floor Lobby- Elevator #10	Fire Door	ACM	Assumed	20 ft ²

Notes:

> greater than
ACM asbestos-containing material
Ft² square feet
LBP lead-based paint
mg/cm² milligrams per square centimeter

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Table 2
Asbestos Survey Inventory

Hazardous Building Materials Survey Report, East County Regional Center, El Cajon, CA

Homogeneous Material No.	Sample Description	Condition	Friability	Sample ID	Location	Sample Layers	Asbestos Content
1	Interior Plaster Rough Coat	Good	NF	0104-1	9th Floor-Lobby	1	NAD
				0104-2	9th Floor-Lobby	1	NAD
				0104-3	9th Floor-Lobby	1	NAD
2	Textured Drywall and Joint Compound	Good	F	0104-4	9th Floor East corridor	1	NAD
				0104-5	9th Floor West Corridor	1	NAD
				0104-6	9th Flor upper platform	1	NAD
3	Concrete Slab	Good	NF	0104-7	9th Floor Upper Platform	1	NAD
				0104-8	9th Floor Upper Platform	1	NAD
				0104-9	9th Floor Upper Platform	1	NAD
4	Drywall (Greenboard)	Good	NF	0104-10	Elevator #3 Shaft	1	NAD
				0104-11	Elevator #3 Shaft	1	NAD
				0104-12	Elevator #3 Shaft	1	NAD
5	Drywall Tape/Mud	Good	NF	0104-13	Elevator #3 Shaft	1	NAD
				0104-14	Elevator #3 Shaft	1	NAD
				0104-15	Elevator #3 Shaft	1	NAD
6	12"x12" Tan Vinyl Floor Tile With Streaks and Mastic	Good	NF	0104-16	Elevator #3	1	NAD
				0104-17	Elevator #3	1	NAD
				0104-18	Elevator #9	1	NAD

**Table 2 (continued)
Asbestos Survey Inventory**

Homogeneous Material No.	Sample Description	Condition	Friability	Sample ID	Location	Sample Layers	Asbestos Content
7	Drywall and Joint Compound	Good	NF	0104-19	9th Floor upper platform	1	NAD
				0104-20	9th Floor upper platform	1	NAD
				0104-21	9th Floor Lower Platform	1	NAD
				0104-22	9th Floor Penthouse-South	1	NAD
				0104-23	9th Floor Penthouse-North	1	NAD
				0104-24	7th Floor Lobby	1	NAD
				0104-25	7th Floor Lobby	1	NAD
				0104-26	6th Floor Elevator Equipment Room	1	NAD
8	Fireproofing Material	Good	F	0104-27	7th Floor Elevator Equipment Room	1	NAD
				0104-28	Elevator #8 Shaft	1	NAD
				0104-29	Elevator #8 Shaft	1	NAD
				0104-30	Elevator #8 Shaft	1	NAD
				0104-31	6th Floor Equipment Room	1	NAD
9	Carpet Adhesive	Good	NF	0104-32	6th Floor Equipment Room	1	NAD
				0104-33	Elevator 8 Cab	1	NAD
				0104-34	Elevator 8 Cab	1	NAD
				0104-35	Elevator 8 Cab	1	NAD

**Table 2 (continued)
Asbestos Survey Inventory**

Homogeneous Material No.	Sample Description	Condition	Friability	Sample ID	Location	Sample Layers	Asbestos Content
10	12"x12" Off White Vinyl Floor Tile with gray streaks and mastic	Good	NF	0104-36	Elevator 10 Cab	1	NAD
				0104-37	Elevator 10 Cab	1	NAD
				0104-38	Elevator 10 Cab	1	NAD
11	Fire Door	Good	NF	N/A	Outside elevator #10-6 th floor lobby	N/A	Assumed ACM

Notes:

% percent

ft² square feet

F friable

N/A not applicable

NAD no asbestos detected

NF non-friable

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Table 3
XRF Survey Table

Hazardous Building Materials Survey Report, East County Regional Center, El Cajon, CA

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
*	Calibration Check	___	Standard	_____	_____	_____	0.00	No
*	Calibration Check	___	Standard	_____	_____	_____	0.00	No
*	Calibration Check	___	Standard	_____	_____	_____	0.00	No
Elevator 9	Door (Floor 1)	___	Metal	Red	Intact	_____	0.08	No
Elevator 9	Security Gate	___	Metal	Red	Intact	_____	0.00	No
Elevator 7	Door (Floor 1)	___	Metal	Blue	Intact	_____	0.06	No
Elevator 7	Gate	___	Metal	Red	Intact	_____	0.00	No
Elevator 7	Ceiling	___	Metal	Yellow	Intact	_____	0.01	No
Elevator 10	Door (Floor 1)	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 6	Platform floor	___	Concrete	Gray	Intact	_____	0.00	No
Mechanical Room 6	Shop floor	___	Concrete	Gray	Intact	_____	0.00	No
Mechanical Room 6	Cabinet 2/3	A	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Door	A	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 6	Door Frame	A	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 6	Wall	A	Plaster	White	Intact	_____	0.00	No
Mechanical Room 6	Wall	B	Plaster	White	Intact	_____	0.00	No
Mechanical Room 6	Wall	C	Plaster	White	Intact	_____	0.00	No
Mechanical Room 6	Wall	D	Plaster	White	Intact	_____	0.00	No
Mechanical Room 6	Handrail	A	Metal	Red	Intact	_____	0.01	No
Mechanical Room 6	Beam	A	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Riser Siding	___	Plaster	Green	Intact	_____	0.10	No
Mechanical Room 6	Stair	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 6	Stair Handrail	___	Metal	Red	Intact	_____	0.03	No
Mechanical Room 6	Stair Stringer	___	Metal	Red	Intact	_____	0.18	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 6	Cabinet 1	A	Metal	green	Intact	_____	0.00	No
Mechanical Room 6	Bookcase	A	Wood	Brown	Intact	_____	0.00	No
Mechanical Room 6	Motor	B	Metal	Green	Intact	_____	0.01	No
Mechanical Room 6	Circuit Box	B	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Motor	C	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Motor	C	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 6	Gear Housing #1	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Gear Housing #1	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 6	Gear #1	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Engine #1	___	Metal	Green	Intact	_____	0.17	No
Mechanical Room 6	Engine #1 Base	___	Metal	Green	Intact	_____	0.48	No
Mechanical Room 6	Floor Grate	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 6	Vertical Support Beam	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Engine #2	___	Metal	Green	Intact	_____	0.22	No
Mechanical Room 6	Engine #2 Base	___	Metal	Green	Intact	_____	0.25	No
Mechanical Room 6	Gear Housing #2	___	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 6	Gear #2	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Engine #3	___	Metal	Green	Intact	_____	0.20	No
Mechanical Room 6	Engine #3 Base	___	Metal	Green	Intact	_____	0.69	No
Mechanical Room 6	Gear Housing #3	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Gear Housing #3	___	Metal	Red	Intact	_____	0.02	No
Mechanical Room 6	Gear #3	___	Metal	Green	Intact	_____	0.02	No
Mechanical Room 6	Support	D	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Com Box 1	B	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 6	Com Conduit	C	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 6	Com Box 2/3	C	Metal	Silver	Intact	_____	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 6	Breaker Panel	D	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 6	Circuit Protector Plate	D	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Circuit Box	D	Metal	Green	Intact	_____	0.00	No
Mechanical Room 6	Conduit	D	Metal	White	Intact	_____	0.00	No
Mechanical Room 6	Conduit	B	Metal	White	Intact	_____	0.00	No
6th Floor Lobby	Fire Door Near Elevator 10	___	Metal	Yellow	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Wall	A	Drywall	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Wall	B	Drywall	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Wall	C	Drywall	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Wall	D	Drywall	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Floor	___	Concrete	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Stair	___	Metal	Red	Intact	90 ft²	1.68	Yes
Mechanical Room 9-Penthouse	Stair Handrail	___	Metal	Red	Intact	20 ft²	2.07	Yes
Mechanical Room 9-Penthouse	Stair Stringer	___	Metal	Red	Intact	30 ft²	3.05	Yes
Mechanical Room 9-Penthouse	Vertical Support Beam	A	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Vertical Support Beam	A	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Vertical Support Beam	A	Metal	Beige	Intact	_____	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 9-Penthouse	Crossbeam	A	Metal	Beige	Intact	_____	0.03	No
Mechanical Room 9-Penthouse	Crossbeam	A	Metal	Beige	Intact	_____	0.03	No
Mechanical Room 9-Penthouse	Door	A	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Door Frame	A	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Fire Riser	D	Metal	Beige	Intact	_____	0.02	No
Mechanical Room 9-Penthouse	Conduit	D	Metal	Beige	Intact	_____	0.02	No
Mechanical Room 9-Penthouse	Crossbeam	D	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Crossbeam	D	Metal	Beige	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Window Frame	A	Metal	Black	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Window Slat	A	Metal	Black	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Platform #7 Floor	___	Concrete	Gray	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Platform #7 Handrail	___	Metal	Red	Intact	_____	0.02	No
Mechanical Room 9-Penthouse	Platform #7 Stair	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Platform #7 Stair Rail	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Platform #7 Stair Stringer	___	Metal	Red	Intact	_____	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 9-Penthouse	Crossbeam	B	Metal	Beige	Intact	_____	0.03	No
Mechanical Room 9-Penthouse	Crossbeam	B	Metal	Beige	Intact	_____	0.02	No
Mechanical Room 9-Penthouse	Engine #7	___	Metal	Green	Intact	_____	0.23	No
Mechanical Room 9-Penthouse	Engine #7 Base	___	Metal	Green	Intact	_____	0.43	No
Mechanical Room 9-Penthouse	Gear Housing #7	___	Metal	Green	Intact	6 ft²	1.00	Yes
Mechanical Room 9-Penthouse	Gear #7	___	Metal	Green	Intact	_____	0.12	No
Mechanical Room 9-Penthouse	Engine #7 Circuit Cabinet	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Engine #7 Circuit Cabinet Conduit	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Engine #7 Platform Floor	___	Concrete	Red	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Engine #7 Motor	___	Metal	Green	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Crossbeam	C	Metal	Beige	Intact	_____	0.02	No
Mechanical Room 9-Penthouse	Cossbeam	C	Metal	Beige	Intact	_____	0.03	No
Mechanical Room 9-Penthouse	Engine #7 Breaker Panel	___	Metal	Gray	Intact	_____	0.01	No
Mechanical Room 9-Penthouse	Engine #9 Motor	___	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Penthouse	Engine #9 Circuit Cabinet	___	Metal	Green	Intact	_____	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 9-Penthouse	Engine #9/#10 Platform Floor	___	Concrete	Gray	Intact	___	0.01	No
Mechanical Room 9-Penthouse	Engine #9/#10 Platform Stair	___	Metal	Red	Intact	___	0.00	No
Mechanical Room 9-Penthouse	Engine #9/#10 Platform Stair Handrail	___	Metal	Red	Intact	___	0.00	No
Mechanical Room 9-Penthouse	Engine #9/#10 Platform Stair Stringer	___	Metal	Red	Intact	___	0.01	No
Mechanical Room 9-Penthouse	Engine #9/#10 Platform Handrail	___	Metal	Red	Intact	___	0.02	No
Mechanical Room 9-Penthouse	Conduit	C	Metal	Green	Intact	___	0.00	No
Mechanical Room 9-Penthouse	Engine #9	___	Metal	Green	Intact	___	0.2	No
Mechanical Room 9-Penthouse	Engine #9 Base	___	Metal	Green	Intact	___	0.36	No
Mechanical Room 9-Penthouse	Engine #9 Gear Housing	___	Metal	Green	Intact	___	0.19	No
Mechanical Room 9-Penthouse	Engine #9 Gear	___	Metal	Yellow	Intact	___	0.13	No
Mechanical Room 9-Penthouse	Engine #10	___	Metal	Green	Intact	___	0.27	No
Mechanical Room 9-Penthouse	Engine #10 Base	___	Metal	Green	Intact	___	0.00	No
Mechanical Room 9-Penthouse	Engine #10 Gear Housing	___	Metal	Green	Intact	6 ft²	1.00	Yes
Mechanical Room 9-Penthouse	Engine #10 Gear	___	Metal	Yellow	Intact	___	0.17	No
Mechanical Room 9-Penthouse	Engine #10 Conduit	___	Metal	Green	Intact	___	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 9-Penthouse	Engine #10 Breaker Panel	___	Metal	Gray	Intact	___	0.00	No
Mechanical Room 9-Penthouse	Engine #10 Motor	___	Metal	Gray	Intact	___	0	No
Mechanical Room 9-Penthouse	Vertical Support Beam	C	Metal	Beige	Intact	___	0.02	No
Mechanical Room 9-Penthouse	Vertical Support Beam	C	Metal	Beige	Intact	___	0.02	No
Mechanical Room 9-Penthouse	Roof Beam	D	Metal	Beige	Intact	___	0.02	No
Mechanical Room 9-Penthouse	Ceiling Beam	___	Metal	Beige	Intact	___	0.02	No
Mechanical Room 9-Penthouse	Ceiling	___	Metal	Beige	Intact	___	0.02	No
Mechanical Room 9-Penthouse	Utility Box (Ceiling)	___	Metal	Beige	Intact	___	0.00	No
Mechanical Room 9-Downstairs	Floor	___	Concrete	Gray	Intact	___	0.00	No
Mechanical Room 9-Downstairs	Stucco Stairwell Wall	A	Plaster	Beige	Intact	___	0.00	No
Mechanical Room 9-Downstairs	Wall	B	Plaster	Beige	Intact	___	0.00	No
Mechanical Room 9-Downstairs	Wall	C	Plaster	Beige	Intact	___	0.00	No
Mechanical Room 9-Downstairs	Wall	D	Plaster	Beige	Intact	___	0.00	No
Mechanical Room 9-Downstairs	Wall Board	A	Metal	Beige	Intact	___	0.00	No
Mechanical Room 9-Downstairs	Stair	___	Metal	Red	Intact	___	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 9-Downstairs	Stair Handrail	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Stair support	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Stair Stringer	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Stair Landing	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Platform Floor	___	Concrete	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Platform Riser	___	Concrete	Beige	Intact	_____	0.00	No
9th Floor Lobby	Cutout wall	A	Drywall	Beige	Intact	_____	0.00	No
9th Floor Lobby	Cutout wall	B	Drywall	Beige	Intact	_____	0.00	No
9th Floor Lobby	Cutout wall	C	Drywall	Beige	Intact	_____	0.00	No
9th Floor Lobby	Cutout Pipe	B	Metal	Beige	Intact	_____	0.00	No
9th Floor Lobby	Lobby Wall	A	Drywall	Beige	Intact	_____	0.00	No
9th Floor Lobby	Lobby Ceiling	___	Drywall	Beige	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Gate Frame	A	Metal	Gray	Intact	_____	0.12	No
Mechanical Room 9-Downstairs	Platform Handrail		Metal	Red	Intact	_____	0.01	No
Mechanical Room 9-Downstairs	Breaker Panel 5/6	A	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Storage Cabinet	D	Metal	Tan	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Mechanical Cabinet 5	D	Metal	Gray	Intact	_____	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 9-Downstairs	Exhaust Cabinet 5	D	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Conduit	D	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Conduit	D	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Mechanical Cabinet 6	D	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Exhaust Cabinet 6	D	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Circuit Cabinet	C	Metal	Gray	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Desk	B	Metal	Dark Gray	Intact	_____	0.00	No
*	Calibration Check	___	Standard	_____	_____	_____	0.00	No
*	Calibration Check	___	Standard	_____	_____	_____	0.00	No
*	Calibration Check	___	Standard	_____	_____	_____	0.00	No
9th Floor Lobby	Elevator Door	B	Metal	Red	Intact	_____	0.05	No
Mechanical Room 9-Downstairs	Elevator Door	B	Metal	Red	Intact	_____	0.06	No
Mechanical Room 9-Downstairs	Elevator Door	D	Metal	Red	Intact	_____	0.08	No
Mechanical Room 9-Downstairs	Roof Crossbeam	B	Metal	Yellow	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Engine #5	___	Metal	Green	Intact	_____	0.18	No
Mechanical Room 9-Downstairs	Engine #5 Base	___	Metal	Green	Intact	_____	0.08	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 9-Downstairs	Gear Housing #5	___	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Gear #5	___	Metal	Yellow	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Gear Housing #6	___	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 9-Downstairs	Gear #6	___	Metal	Yellow	Intact	_____	0.00	No
Elevator 10	Outside Cab Wall	___	Drywall	Green	Intact	_____	0.03	No
Elevator 10	Crosshead	___	Metal	Red	Intact	_____	0.02	No
Elevator 10	Gutter Run	___	Metal	Red	Intact	_____	0.02	No
Elevator 3-Pit	Plunger	___	Metal	Red	Intact	_____	0.01	No
Elevator 3-Pit	Access Ladder	___	Metal	Red	Intact	_____	0.00	No
Elevator 3-Pit	Plunger Base	___	Metal	Red	Intact	_____	0.00	No
Elevator 3-Pit	Small Pulley	___	Metal	Red	Intact	_____	0.00	No
Elevator 3-Pit	Large Pulley	___	Metal	Red	Intact	_____	0.00	No
Elevator 3	Wall Panel	___	Metal	White	Intact	_____	0.00	No
Elevator 5	Wall Panel	___	Metal	Red	Intact	_____	0.00	No
Elevator 7	Door	___	Metal	Beige	Intact	_____	0.00	No
Elevator 7	Door Back	___	Metal	Red	Intact	_____	0.00	No
Judge's Elevator	Door	___	Metal	Red	Intact	_____	0.00	No
Judge's Elevator	Wall Panel	___	Metal	Red	Intact	_____	0.00	No
Judge's Elevator	Crosshead	___	Metal	Red	Intact	_____	0.00	No
Judge's Elevator	Door Back	___	Metal	Red	Intact	_____	0.00	No
Mechanical Room 8	Door Frame	A	Metal	Red	Intact	_____	0.00	No
Mechanical Room 9	Door	A	Metal	Red	Intact	_____	0.00	No
9th Floor Lobby	Wall Between Elevator 9/10	B	Plaster	Beige	Intact	_____	0.00	No

**Table 3 (continued)
XRF Survey Table**

Room	Component	Side	Substrate	Color	Condition	Quantity (if LBP)	Reading (mg/cm ²)	LBP (Y/N)
Mechanical Room 8	Wall	A	Plaster	Tan	Intact	_____	0.00	No
Mechanical Room 8	Wall	B	Plaster	Tan	Intact	_____	0.00	No
Mechanical Room 8	Wall	C	Plaster	Tan	Intact	_____	0.00	No
Mechanical Room 8	Wall	D	Plaster	Tan	Intact	_____	0.00	No
Mechanical Room 9	Electrical Box	B	Metal	Tan	Intact	_____	0.00	No
Mechanical Room 10	Conduit	B	Metal	Tan	Intact	_____	0.00	No
Mechanical Room 11	Conduit	C	Metal	Tan	Intact	_____	0.00	No
Mechanical Room 12	Motor #8	B	Metal	Gray	Intact	_____	0.04	No
Mechanical Room 13	Engine #8	___	Metal	Green	Intact	_____	0.08	No
Mechanical Room 14	Engine #8 Base	___	Metal	Green	Intact	_____	0.34	No
Mechanical Room 15	Gear Housing #8	___	Metal	Silver	Intact	_____	0.00	No
Mechanical Room 16	Gear #8	___	Metal	Yellow	Intact	_____	0.00	No
Mechanical Room 17	Conduit	D	Metal	Tan	Intact	_____	0.00	No
Mechanical Room 18	Window Frame	C	Metal	Tan	Intact	_____	0.00	No
Mechanical Room 19	Circuit Cabinet	C	Metal	Gray	Intact	_____	0.00	No

Notes:

ft² square feet

LBP lead-based paint

mg/cm² milligrams per square centimeter

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Appendix A Certifications

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State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

John Carlos Mitchell



Name

97-2289

Certification No.

12/08/18

Expires on

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Inspector/Assessor

07/26/2018

Project Monitor

07/26/2018



John C. Mitchell

ID #: 2933

Appendix B Laboratory Report

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Certificate of Analysis
PLM Asbestos Identification

tel - 714-899-8900
 free - 888-743-0998
 fax - 714-899-1188
 PatriotLab.com
 1041 S. Placentia Avenue, Fullerton, CA 92831



AMEC Froster Wheeler
 Scott Brown
 9177 Sky Park Court
 San Deigo, CA 92123

Report Number: 695661
 Project Number:
 Project Name: JCC- ECRC
 Project Location: East County Regional Center

Date Collected: 1/4/2018
 Date Received: 1/8/2018
 Date Analyzed: 1/12/2018
 Date Reported: 1/12/2018

Collected By: John Mitchell
 Claim Number:
 PO Number:
 Number of Samples: 38

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-001 0104-1	Room 9	Int Plaster Rough Coat	White	80% Minerals 15% Carbonate 5% Paint
Total Asbestos	None Detected			
695661-002 0104-2	Room 9	Int Plaster Rough Coat	White	80% Minerals 15% Carbonate 5% Paint
Total Asbestos	None Detected			
695661-003 0104-3	Room 9	Int Plaster Rough Coat	White	80% Minerals 15% Carbonate 5% Paint
Total Asbestos	None Detected			
695661-004 0104-4	Floor 9 E Corridor	Textured Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-005 0104-5	Floor 9 W Corridor	Textured Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			

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 Claim Number:
 PO Number:
 Number of Samples: 38

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-006 0104-6	9th Floor Corridor Ceiling	Textured Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-007 0104-7	9th Floor Upper Platform	Concrete Slab	White	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-008 0104-8	9th Floor Upper Platform	Concrete Slab	White	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-009 0104-9	9th Floor Upper Platform	Concrete Slab	White	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-010 0104-10	Elevator 3 Shaft	Drywall Board	White	85% Sulfate 8% Cellulose 7% Glass Fibers
Total Asbestos	None Detected			
695661-011 0104-11	Elevator 3 Shaft	Drywall Board	White	85% Sulfate 8% Cellulose 7% Glass Fibers
Total Asbestos	None Detected			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-012 0104-12	Elevator 3 Shaft	Drywall Board	White	85% Sulfate 8% Cellulose 7% Glass Fibers
Total Asbestos	None Detected			
695661-013 0104-13	Elevator 3 Shaft	Drywall Tape and Mud	White	85% Sulfate 6% Carbonate 5% Cellulose 2% Glass Fibers 2% Paint
Total Asbestos	None Detected			
695661-014 0104-14	Elevator 3 Shaft	Drywall Tape and Mud	White	85% Sulfate 6% Carbonate 5% Cellulose 2% Glass Fibers 2% Paint
Total Asbestos	None Detected			
695661-015 0104-15	Elevator 3 Shaft	Drywall Tape and Mud	White	85% Sulfate 6% Carbonate 5% Cellulose 2% Glass Fibers 2% Paint
Total Asbestos	None Detected			
695661-016 0104-16	Elevator 3	12x12 VFT with Streaks	Tan	100% Non-Fibrous Material
Total Asbestos	None Detected			

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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-017 0104-17	Elevator 3	12x12 VFT with Streaks	Tan	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-018 0104-18	Elevator 3	12x12 VFT with Streaks	Tan	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-019 0104-19	9th Floor Upper Platform	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-020 0104-20	9th Floor Upper Platform	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-021 0104-21	9th Floor Lower Platform	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			

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Collected By: John Mitchell
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Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-022 0104-22	Penthouse South	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-023 0104-23	Penthouse North	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-024 0104-4	7th Floor Lobby	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-025 0104-25	7th Floor Lobby	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-026 0104-26	6th Floor Mech Room	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			

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 Date Analyzed: 1/12/2018
 Date Reported: 1/12/2018

Collected By: John Mitchell
 Claim Number:
 PO Number:
 Number of Samples: 38

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-027 0104-27	6th Floor Mech Room	Drywall and Joint Compound	White	85% Sulfate 6% Carbonate 5% Cellulose 4% Paint
Total Asbestos	None Detected			
695661-028 0104-28	Elevator Shaft 8	Fireproofing	Brown	80% Non-Fibrous Material 15% Vermiculite 5% Cellulose
Total Asbestos	None Detected			
695661-029 0104-29	Elevator Shaft 8	Fireproofing	Brown	80% Non-Fibrous Material 15% Vermiculite 5% Cellulose
Total Asbestos	None Detected			
695661-030 0104-30	Elevator Shaft 8	Fireproofing	Brown	80% Non-Fibrous Material 15% Vermiculite 5% Cellulose
Total Asbestos	None Detected			
695661-031 0104-31	6th Floor Mech Room	Fireproofing	White	80% Non-Fibrous Material 15% Cellulose 5% Glass Fibers
Total Asbestos	None Detected			

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Date Collected: 1/4/2018
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 Date Analyzed: 1/12/2018
 Date Reported: 1/12/2018

Collected By: John Mitchell
 Claim Number:
 PO Number:
 Number of Samples: 38

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-032 0104-32	6th Floor Mech Room	Fireproofing	White	80% Non-Fibrous Material 15% Cellulose 5% Glass Fibers
Total Asbestos	None Detected			
695661-033 0104-33	Elevator 8 Cab	Carpet Adhesive	Yellow	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-034 0104-34	Elevator 8 Cab	Carpet Adhesive	Yellow	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-035 0104-35	Elevator 8 Cab	Carpet Adhesive	Yellow	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-036 0104-36	Elevator 10 Cab	12x12 VFT with Streak	White	100% Non-Fibrous Material
Total Asbestos	None Detected			
695661-037 0104-37	Elevator 10 Cab	12x12 VFT with Streak	White	100% Non-Fibrous Material
Total Asbestos	None Detected			

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PLM Asbestos Identification

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 free - 888-743-0998
 fax - 714-899-1188
 PatriotLab.com
 1041 S. Placentia Avenue, Fullerton, CA 92831

AMEC Froster Wheeler
 Scott Brown
 9177 Sky Park Court
 San Deigo, CA 92123

Report Number: 695661
 Project Number:
 Project Name: JCC- ECRC
 Project Location: East County Regional Center

Date Collected: 1/4/2018
 Date Received: 1/8/2018
 Date Analyzed: 1/12/2018
 Date Reported: 1/12/2018

Collected By: John Mitchell
 Claim Number:
 PO Number:
 Number of Samples: 38

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
695661-038 0104-38	Elevator 10 Cab	12x12 VFT with Streak	White	100% Non- Fibrous Material
Total Asbestos	None Detected			



Raul Lanuza - Analyst



Kwin Legaspi - Approved By

Bulk sample(s) submitted was (were) analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR 763, Subpart F, Appendix A; EPA-600/R-93/116 (Method for Determination of Asbestos in Building Materials), and EPA-600/M4-82-020 (US EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples). Samples were analyzed using Calibrated Visual Estimations (CVES); therefore, results may not be reliable for samples of low asbestos concentration levels. Samples of wall systems containing discrete and separable layers are analyzed separately and reported as composite unless specifically requested by the customer to report analytical results for individual layers. This report applies only to the items tested. Results are representative of the samples submitted and may not represent the entire material from which the samples were collected. "None Detected" means that no asbestos was observed in the sample. "<1%" (less than one percent) means that asbestos was observed in the sample but the concentration is below the quantifiable level of 1%. This report was issued by a NIST/NVLAP (Lab Code 200358-0) and CADOHS- ELAP (Cert. No. 2540) accredited laboratory and may not be reproduced, except in full without the expressed written consent of Patriot Environmental Laboratory Services, Inc. This report may not be used to claim product certification, approval or endorsement by NIST, NVLAP, ELAP or any government agency.



Anniversary

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Report Number: 10951061

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1/11/18 9:10 AM

CHAIN OF CUSTODY

Client: ~~ISB Scott Brown~~ AMECC Project No.:
 Contact Person: Scott Brown Project Name: JCC- ECRC
 Client Address: 9177 Sky Park Ct Project Location: East County Regional Center
 San Diego, CA 92123
 Contact Phone: 858-514-7724 Sample(s) Collected By: John Mitchell
 Contact Fax: Authorized by: Claim #: PO #:
 How do you want your report? (Circle) Mail Fax Web E-mail: Scott.brown@woodplc.com
 Special Instructions:

Analysis Requested

Turnaround Time (business hours/days)
 RUSH (4 hours) | RUSH (8 hours) | 24 Hr | 48 Hr | 72 Hr | Other (specify) _____
Notes: 4HR TAT available until 1PM. Viable fungi samples require 5-7 days turnaround minimum. Bacterial cultures require minimum 30hr TAT. STLC/CAL-WET and TCLP minimum TAT are 72hrs.
Asbestos PCM (fiber count) NIOSH 7400A PLM (bulk asbestos) EPA 600/R-93/116 Point Count 400
 CARB 435 Point Count 1000
 Gravimetric Reduction (Gravimetric Reduction Requires Minimum 10hr TAT)

Microbiology

Fungi
 Non-Viable Air Spore Trap, SOP IV.4.1m/2m Viable (Colony ID & Enumeration) Air Swab/Bulk
 Non-Viable Surface Tape Lift/Swab/Bulk, SOP IV.4.3m/4m

Bacteria (Samples must be received by the laboratory within 24hrs of collection or results may be invalid)
 Total Coliform and E. coli - Surfaces, Swabs, and Bulk Solids, Liquids (non-potable, non-wastewater) - Presence / Absence

Chemistry

Lead by Flame AA - EPA 3050B/7420mod, NIOSH 7082mod: Paint Air Dust Wipe Water (non-potable) Soils/Solids
Lead Waste Profile (by Flame AA)
 1: TTLC Total Threshold by EPA 3050B mod 2: STLC/CAL WET Title 22 CCR Ch11 Article 5 App 2 3: TCLP EPA 1311
Note: Please provide at approx. 200 grams (approx. 1/2 lb.) of sample for complete profile. Check here to perform all test necessary for disposal

Rotometer Calibration pH testing (soils, misc. solids, & liquids) EPA 9045

Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc)	Start Time	Stop Time	Avg. (LPM)	Total Min.	Total Vol (Flow x Tot. Min)
0104-1	Bulk	1/04/18	Room 9	Int plaster Rough coat	X				
0104-2			Room 9	Int Plaster Rough coat					
0104-3			Room 9	Int Plaster Rough coat					
0104-4			Room 9 E. corridor	Textured Drywall / SC					
0104-5			Room 9 W corridor	Textured Drywall / SC					

Relinquished By: (Print) John Mitchell Sign: *John Mitchell* Date: 1/4/18 Time:
 Received By: (Print) Scott Brown Sign: *Scott Brown* Date: 1/4/18 Time:
 Relinquished By: (Print) Scott Brown Sign: *Scott Brown* Date: 1/5/18 Time:
 Received By: (Print) J Mitchell Sign: *J Mitchell* Date: 1/6/18 Time: 11:10 AM

Method of Shipment / Preservation During Shipment: Condition of Samples: Acceptable: YES / NO *FC/EX*
 Comments:

Note: Patriot's holding time for all samples submitted is 30 days for solid samples, 7 days for digests, and immediate for lead in air after analytical results are reported. Unless customer provides written instructions to extend holding time, samples will be disposed of in accordance with local, state and federal laws.

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Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc)	Start Time	Stop Time	Avg. (LPM)	Total Min.	Total Vol (Flow x Tot. Min)
0104-6	Belt	1/6/18	9th Floor Corridor ceiling	Textured Drywall / SC					
0104-7			9th Floor upper platform	Concrete slab					
0104-8			9th Floor upper platform	Concrete slab					
0104-9			9th Floor upper platform	Concrete slab					
0104-10			Elevator 3 shaft	Drywall (green board)					
0104-11			Elevator 3 shaft	Drywall (green board)					
0104-12			Elevator 3 shaft	Drywall (green board)					
0104-13			Elevator 3 shaft	Drywall Tape / Mud					
0104-14			Elevator 3 shaft	Drywall Tape / Mud					
0104-15			Elevator 3 shaft	Drywall Tape / Mud					
0104-16			Elevator 3	12x12 UFT Tan w/ streaks					
0104-17			Elevator 3	12x12 UFT Tan w/ streaks					
0104-18			Elevator 3	12x12 UFT Tan w/ streaks					
0104-19			9th Floor upper platform	Drywall / SC					
0104-20			9th Floor upper platform	Drywall / SC					
0104-21			9th Floor lower platform	Drywall / SC					
0104-22			Penthouse - south	Drywall / SC					
0104-23			Penthouse - north	Drywall / SC					
0104-24			7th floor lobby	Drywall / SC					
0104-25			7th Floor lobby	Drywall / SC					
0104-26			6th Floor Mech Room	Drywall / SC					
0104-27			6th Floor Mech Room	Drywall / SC					

Relinquished By: (Print) John Mitchem Sign: [Signature] Date: 1/4/18 Time: _____
 Received By: (Print) Scott Brown Sign: [Signature] Date: 1/4/18 Time: _____
 Relinquished By: (Print) Scott Brown Sign: [Signature] Date: 1/5/18 Time: _____
 Received By: (Print) Jay [Signature] Sign: [Signature] Date: 1/9/18 Time: 11:10 am

Note: Patriot's holding time for all samples submitted is 30 days for solid samples, 7 days for digests, and immediate for lead in air after analytical results are reported. Unless customer provides written instructions to extend holding time, samples will be disposed of in accordance with local, state and federal laws.

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Client Sample ID	Sample Type	Date Sampled	Location Sampled	Description of Sample (Material type, dimensions, etc)	Start Time	Stop Time	Avg. (LPM)	Total Min.	Total Vol (Flow x Tot. Min)
0104-28	Bulk	1/14/18	Elevator shaft 8	Fireproofing	X				
0104-29			Elevator shaft 8	Fireproofing					
0104-30			Elevator shaft 8	Fireproofing					
0104-31			6th Floor Mech Room	Fireproofing					
0104-32			6th Floor Mech Room	Fireproofing					
0104-33			Elevator 8 cab	Carpet adhesive					
0104-34			Elevator 8 cab	Carpet adhesive					
0104-35			Elevator 8 cab	Carpet adhesive					
0104-36			Elevator 10 cab	12x12 VFT off wht w/ gray streak					
0104-37			Elevator 10 cab	12x12 VFT off wht w/ gray streak					
0104-38			Elevator 10 cab	12x12 VFT off wht w/ gray streak					
X									

Relinquished By: (Print) John Motelur Sign: [Signature] Date: 1/14/18 Time: _____
 Received By: (Print) Scott Brown Sign: [Signature] Date: 1/14/18 Time: _____
 Relinquished By: (Print) Scott Brown Sign: [Signature] Date: 1/15/18 Time: _____
 Received By: (Print) Juliana Sign: [Signature] Date: 1/18/18 Time: 11:10am

Note: Patriot's holding time for all samples submitted is 30 days for solid samples, 7 days for digests, and immediate for lead in air after analytical results are reported. Unless customer provides written instructions to extend holding time, samples will be disposed of in accordance with local, state and federal laws.

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