

**LEAD-BASED PAINT INVESTIGATION
REPORT**

**USC SOUTH TOWER RESIDENCE
HALL
COLUMBIA, SOUTH CAROLINA 29201**



**UNIVERSITY OF
SOUTH CAROLINA**

REPORT PREPARED FOR:

**UNIVERSITY OF SOUTH CAROLINA
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January 27, 2012

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I. EXECUTIVE SUMMARY

As requested, F&ME Consultants has completed a Lead-Based Paint (LBP) investigation of the USC South Tower Residence Hall located at 614 Bull Street in Columbia, South Carolina. This investigation was performed due to planned mechanical renovations to the existing building structure, and was limited to the sub-basement, basement, first floor, the central core areas of floors 2-18, and the penthouse. A visual evaluation of the roof was also performed. The actual dormitory rooms on floors 2 to 18 were not included in this investigation. The field investigation was conducted and phased to correspond with time periods that would be least burdensome to the students' living environment. Phase A was conducted during winter break on December 19th and 20th, 2011, and Phase B was conducted on January 3rd and 4th, 2012.

The results, conclusions and recommendations from this investigation are representative of the conditions observed at the site on the dates of the field inspections. F&ME does not assume responsibility for any changes in conditions or circumstances that occur after the inspections.

It is our understanding that the scope of the planned renovations consists of the removal and replacement of the existing two pipe fan coil unit system and the roof. We also understand that due to the magnitude of these renovations and the requirement that they occur while the building is unoccupied, the renovations will need to be sequenced over two summer breaks. Initial renovations will include the installation of hot and chilled water lines for the new four pipe system in the corridors of the typical repeating dormitory floors and will occur in the summer of 2012. Subsequent renovations will include the installation of new fan coils in the dormitory rooms and tying them into the lines installed during the initial renovations and will occur in the summer of 2013.

The scope of this investigation was to identify, analyze and assess the condition of lead-based painted or coated materials that are located in the interior areas associated with the initial renovations. This scope includes both a visual evaluation of the physical condition of painted materials as well as quantitative testing of random surfaces using a Thermo Scientific Niton X-Ray Fluorescence (XRF) Portable Analyzer. The XRF documents the concentration of lead, if any, in the overall paint or coating. Positive results indicate that LBP is present in concentrations that exceed the threshold of 0.7 mg/cm². This threshold is based on the South Carolina Department of Health and Environmental Control's (SCDHEC) requirement to use specialized waste disposal sites for the disposal of lead painted and/or coated building materials containing lead at concentrations equal to or exceeding 0.7 mg/cm².



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The results from our LBP investigation indicate that LBP is present in the subject building at or above the threshold. The materials which tested positive included ceramic tiles in bathrooms and custodial closets; metal handrails on interior and exterior stairways; a black decorative trim (1st floor only); a blue air compressor in the sub-basement; and paint on concrete walls and columns in specific locations within the basement.

The results, conclusions, and recommendations of this investigation are representative of the conditions observed at the site on the dates of the field investigation. F&ME does not assume responsibility for any changes in conditions or circumstances that occur after the investigation. No other environmental concern is addressed in this report.

We sincerely appreciate the opportunity to assist you with this project. If you have any questions or require any additional information, please do not hesitate to contact our office at (803) 254-4540.

Sincerely,

F&ME CONSULTANTS



Jeffrey S. Leary
Environmental Professional
EPA Certified S.C. Lead-Based Paint Inspector
EPA Certification No. SC-I-18721-1
Expiration Date 07/29/2012



Glynn M. Ellen
Senior Environmental Professional
Project Manager

II. BACKGROUND INFORMATION

Housing and Urban Development (HUD) defines “lead-based paint” as any coating that has a lead concentration of 1.0 milligrams of lead per square centimeter (1.0 mg/cm²) or greater, or if the lead concentration is greater than 0.5% by weight. The Consumer Product Safety Commission (CPSC) currently considers paint to be lead-containing if the concentration of lead exceeds 600 ppm (0.06% by weight). In 1978, the CPSC banned the sale of lead-based paint to consumers, and banned its application in areas where consumers have direct access to painted surfaces. Both the CPSC and HUD definitions of lead-containing paint are aimed at protecting the general population from exposure to lead in the residential setting.

In contrast, the mission of the Occupational Safety and Health Administration (OSHA) with respect to lead-containing paint is to protect workers during construction activities that may generate elevated airborne lead concentrations. OSHA states that construction work (including renovation, maintenance, and demolition) carried-out on structures coated with paint having lead concentrations lower than the HUD or CPSC can still result in airborne lead concentrations in excess of regulatory limits. For this reason, OSHA has not defined lead-containing paint, but states that paint having **any** measurable level of lead may pose a substantial exposure hazard during construction work, depending upon the work performed. Therefore, in these situations, OSHA guidelines and safety procedures should be followed.

Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) requires the use of specialized waste disposal sites if materials contain lead concentrations at or exceeding 0.7 mg/cm². It is imperative that these regulations be considered if any present or future renovations and/or demolition activities will impact LBP-containing building materials or equipment. Due to the anticipated impact on these building materials from planned renovation activities associated with the South Tower Residence Hall, the SCDHEC lead disposal requirement was used as our project threshold.

III. INTRODUCTION

As requested, F&ME Consultants has completed a Lead-Based Paint (LBP) investigation of the South Tower Dormitory located at 614 Bull Street in Columbia, South Carolina. This investigation was performed due to planned mechanical renovations to the building structures associated with the removal and replacement of the existing two pipe fan coil system with a new four pipe system. The field investigation was phased and conducted during winter break on December 19th and 20th, 2011 and January 3rd and 4th, 2012.

We understand that the South Tower was constructed in the late 1960’s. Our field investigation revealed evidence of renovations and alterations that have occurred over the years, including floor tile removal and replacement; carpet installation and installation of suspended ceiling systems. A review of plans provided by the University after completion of our field investigation indicated that the original floor plan in the first floor lobby areas was altered to include the security entrance at the front of the building. Plans indicate this construction occurred in 1998.

The results, conclusions and recommendations from this investigation are representative of the conditions observed at the site on the dates of the field inspection. F&ME does not assume responsibility for any changes in conditions or circumstances that occur after the inspection. Use of this document for bidding purposes is not recommended without prior consultation with F&ME. No other environmental concerns were addressed in this report.

IV. INVESTIGATION RESULTS

Our LBP investigation protocol consisted of randomly selecting building components and scanning them with our Thermo Scientific Niton X-Ray Fluorescence (XRF) Portable Analyzer (Model XLp300A, Serial #18185, Isotope 1: Cd109, 40mCi, source date 11/15/2011) using the threshold of 0.7 mg/cm². The building components that were scanned included such items as walls, windows, trims, doors, door casings and jambs, floors, ceilings, bathroom stalls, bathroom showers, toilets, tubs, sinks, stairs and handrails, etc.; these were located within the sub-basement, the basement, the entire 1st floor, the core portion of floors 2 through 18, the penthouse, and the roof.

The results from this investigation indicate that there are eight (8) types of building components that are painted or coated with lead-based materials; these items include the following:

- 4.5"x 4.5" white ceramic wall tiles located on the shower stalls in the community bathrooms of each the dormitory floors (floors 2-18);
- 1.25"x 1.25" white ceramic wall tiles located on the community bathrooms walls of floors 1-18, as well as in the bathrooms in rooms 006, 007A, and 008 on the basement floor level;
- Ceramic tile baseboards located in the custodial closets on floors 1-18;
- Metal handrails located in the stairways throughout the building and on the stairway to the penthouse/ roof access;
- Metal stair stringers and handrail on the exterior steps located on the roof level;
- Black decorative trim strips located around the doors and tops of walls throughout the first floor lobby area of the building;
- A blue air compressor located in the sub-basement; and
- Painted concrete walls and columns in basement rooms 003 and 005 which are part of the resident hall director's apartment.

Wall paint throughout the areas included in this investigation indicated negative results for lead content with the exception of the specified rooms. For more information regarding the specific descriptions and locations of the items that were tested, refer to the XRF Data (Table I). For more information on the items that tested positive for lead content, refer to the XRF Data (Table I), Positive Lead-Based Paint Items & Locations (Table II), and the photographs located in Appendix A.

The appendices include a Site Vicinity Map (Figure 1), General Site Plans (Figures 2 thru 6), XRF Data (Table I), Positive Lead-Based Paint Items and Locations (Table II), Photographs of Positive Lead-Based Paint Items, Personnel Certification, and SCDHEC Lead-Based Paint Disposal Fact Sheets.

V. RECOMMENDATIONS

As previously stated, this LBP investigation included the analysis of randomly-selected painted or coated building components associated with the specified areas of the subject structure. **Due to the random project design, there may be items with lead-based paint or coating(s) that were not tested.** For the purposes of this investigation, untested components that are similar to tested components in material, age, color, and use will be assumed positive or negative based upon the XRF results and should be handled in accordance with EPA and SCDHEC guidelines. Therefore, the items that tested positive for lead should be handled as lead-based paint containing materials to ensure compliance with regulatory requirements. However, in the event that untested structural members and/or equipment are to be directly affected by renovation activities, direct testing must be performed to determine definitively whether or not LBP is present.

In building components that are to remain intact, LBP must be monitored for visible changes in its condition. If noticeable deterioration (i.e. cracking, peeling, and/or chipping) to the LBP occurs, then appropriate repairs are necessary to maintain or establish an intact condition. Any repairs to LBP should be performed using lead-safe work practices to prevent the creation of lead dust. However, maintenance and monitoring of LBP painted surfaces is a short term response to known lead.

Renovation activities which include the disturbance of LBP-painted surfaces (i.e. scraping, sanding, or cutting) must be performed in accordance with all applicable federal, state and local regulations and guidelines. All removal should be performed by certified personnel experienced in removing, handling and properly disposing of LBP. All lead waste must be deposited in a SCDHEC-approved landfill.

This report has been prepared exclusively for the University of South Carolina and shall not be disseminated in whole or part to other parties without prior consent from the University of South Carolina, or F&ME Consultants, Inc. No other environmental issues are addressed in this report.

APPENDIX A

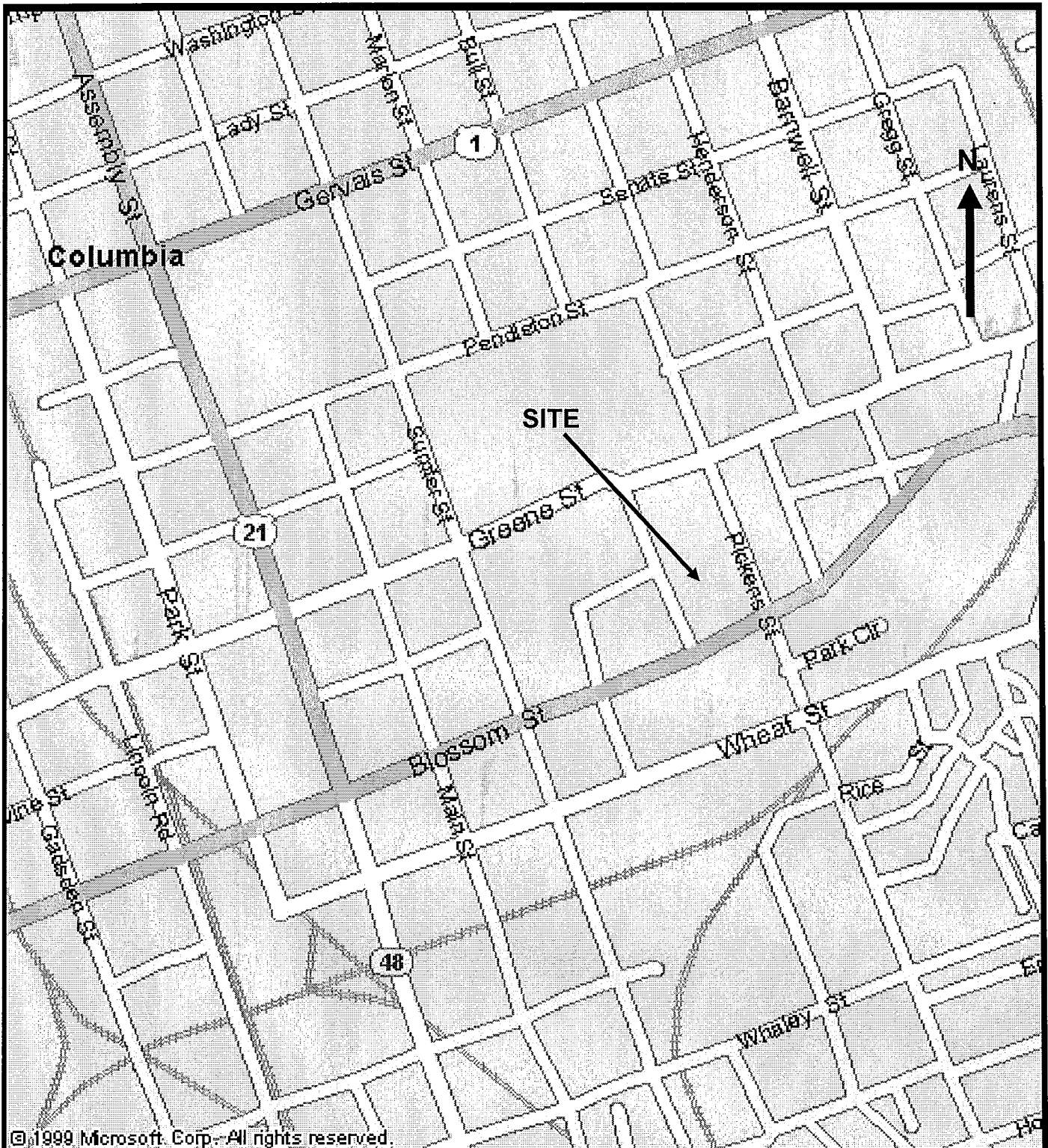
Site Vicinity Map (Figure 1)

General Site Plans (Figures 2 thru 6)

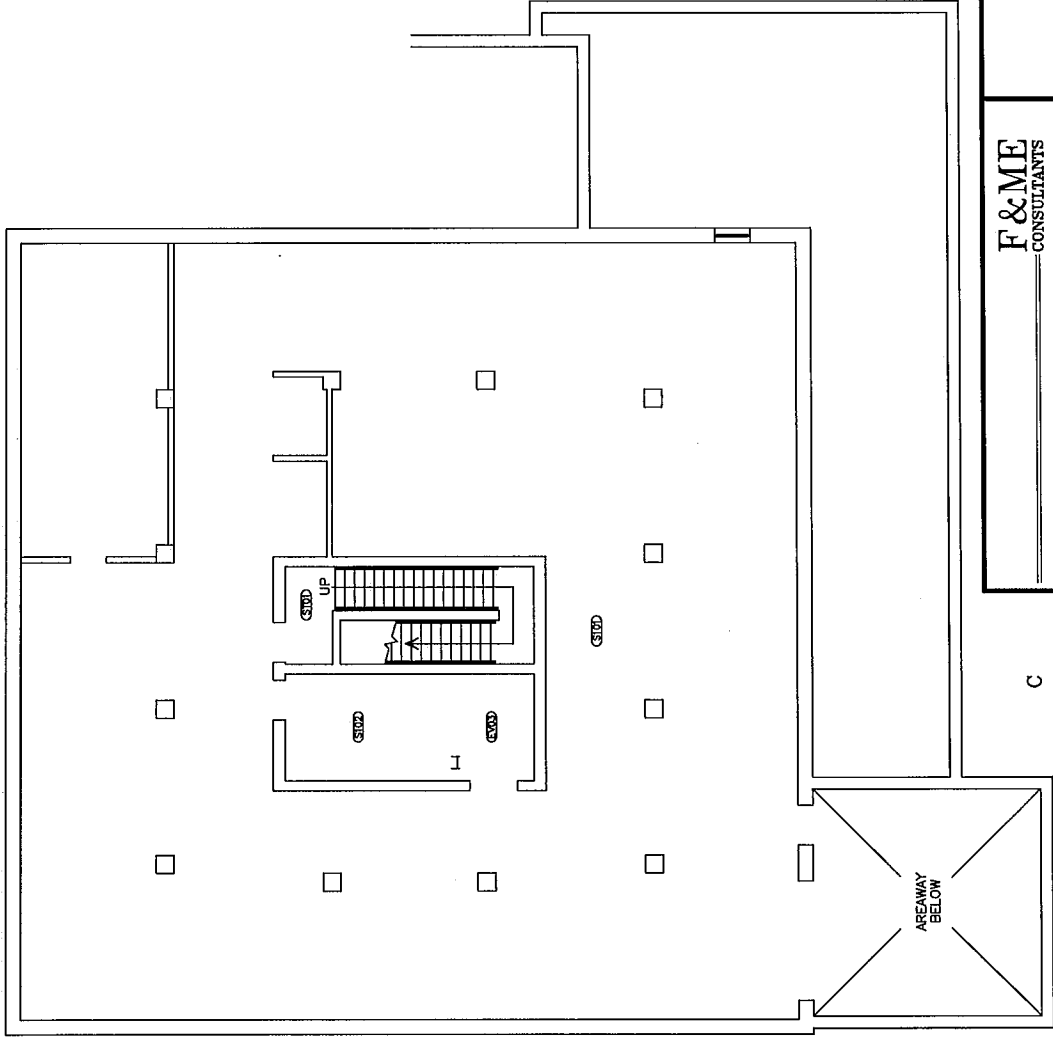
XRF Test Results (Table I)

Positive Lead-Based Paint Items & Locations (Table II)

Photographs of Positive Lead-Based Paint Items



<p align="center">F&ME CONSULTANTS</p>	<p align="center">SITE VICINITY MAP South Tower Dormitory Columbia, South Carolina</p>		
	<p align="center">University of South Carolina</p>	<p>Drawn By: N/A Checked By: N/A Approved By: N/A</p>	<p>Scale: N.T.S. Project: E5200.040 Figure: 1</p>

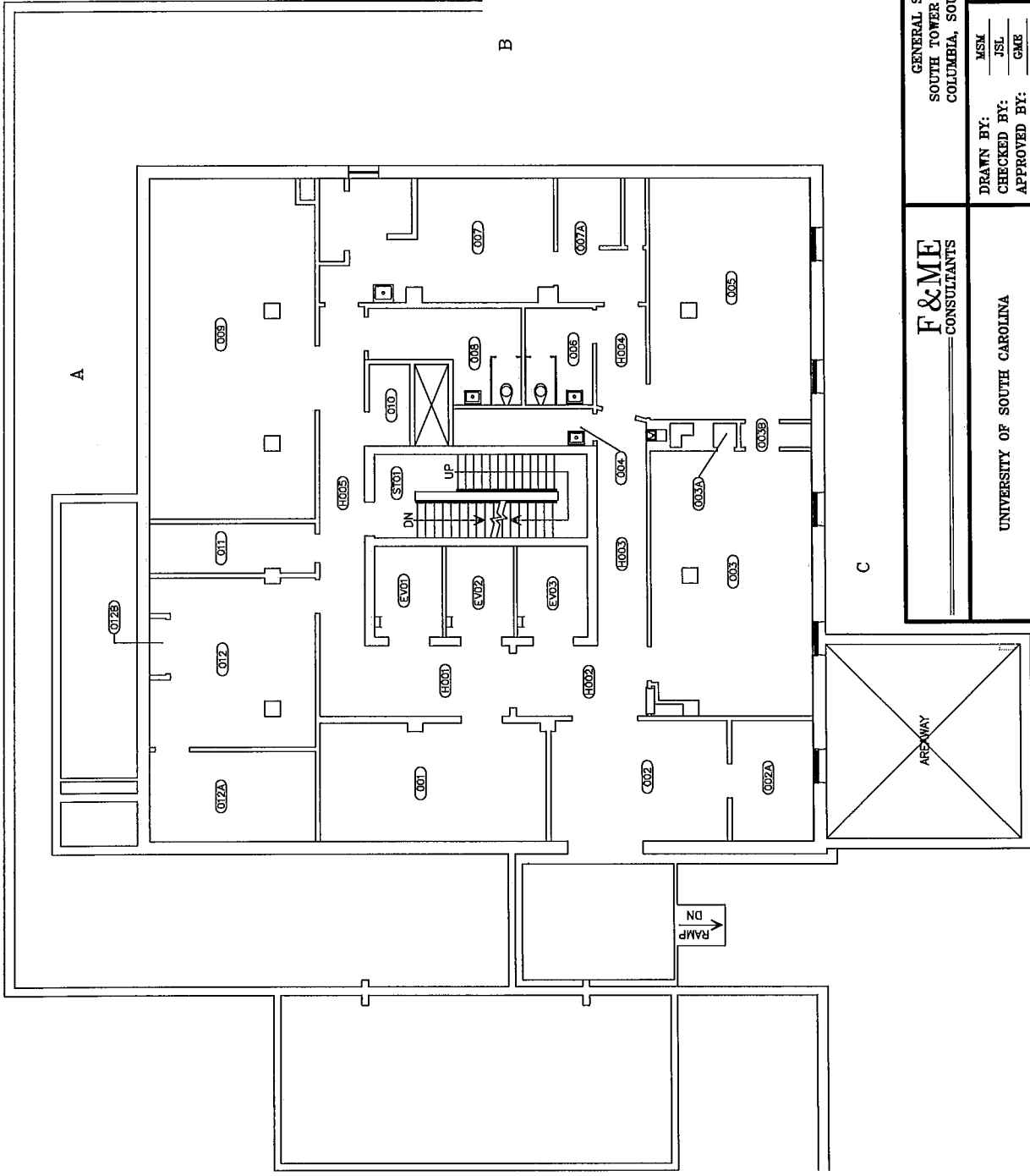


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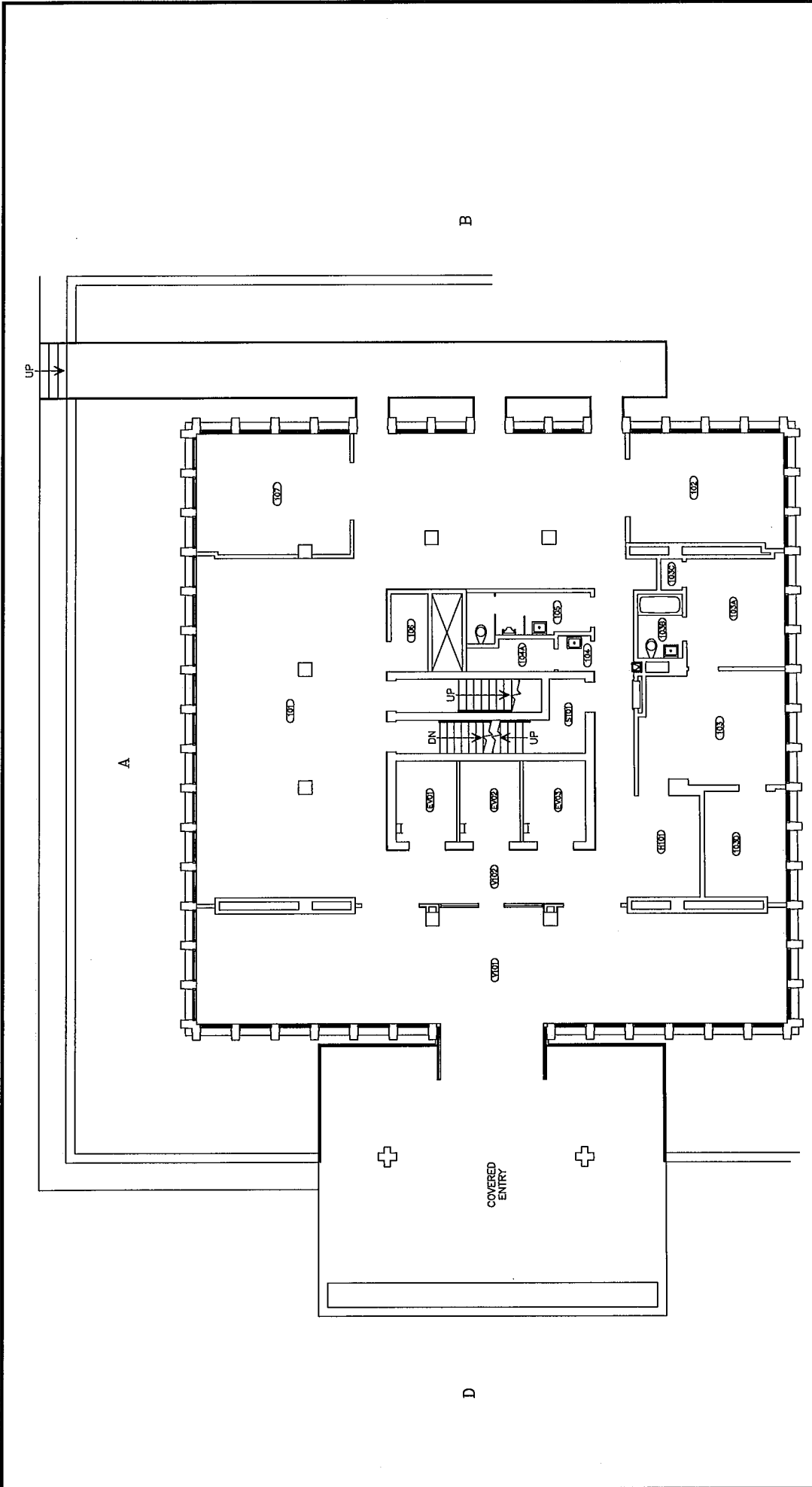
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GENERAL SITE PLAN
SOUTH TOWER - SUB-BASEMENT
COLUMBIA, SOUTH CAROLINA

DRAWN BY:	MSM	SCALE:	1"=10'
CHECKED BY:	JSI	PROJECT:	ES200.04
APPROVED BY:	GME	FIGURE:	2



GENERAL SITE PLAN SOUTH TOWER - BASEMENT COLUMBIA, SOUTH CAROLINA		SCALE: 1"=10'
MSM	JSL	PROJECT: E5200.04
MSM	JSL	FIGURE: 3
DRAWN BY: MSM		
CHECKED BY: JSL		
APPROVED BY: GME		
F&ME CONSULTANTS		
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GENERAL SITE PLAN
 SOUTH TOWER - FIRST FLOOR
 COLUMBIA, SOUTH CAROLINA

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C

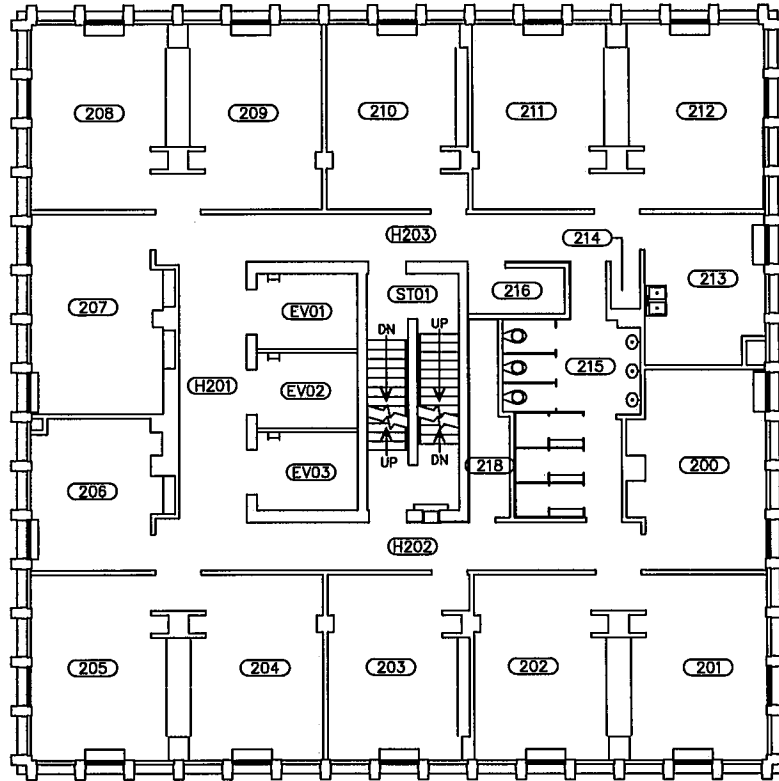
DRAWN BY: MSK
 CHECKED BY: JSL
 APPROVED BY: GME

SCALE: 1"=10'
 PROJECT: ES200.04
 FIGURE: 4

A

D

B



C

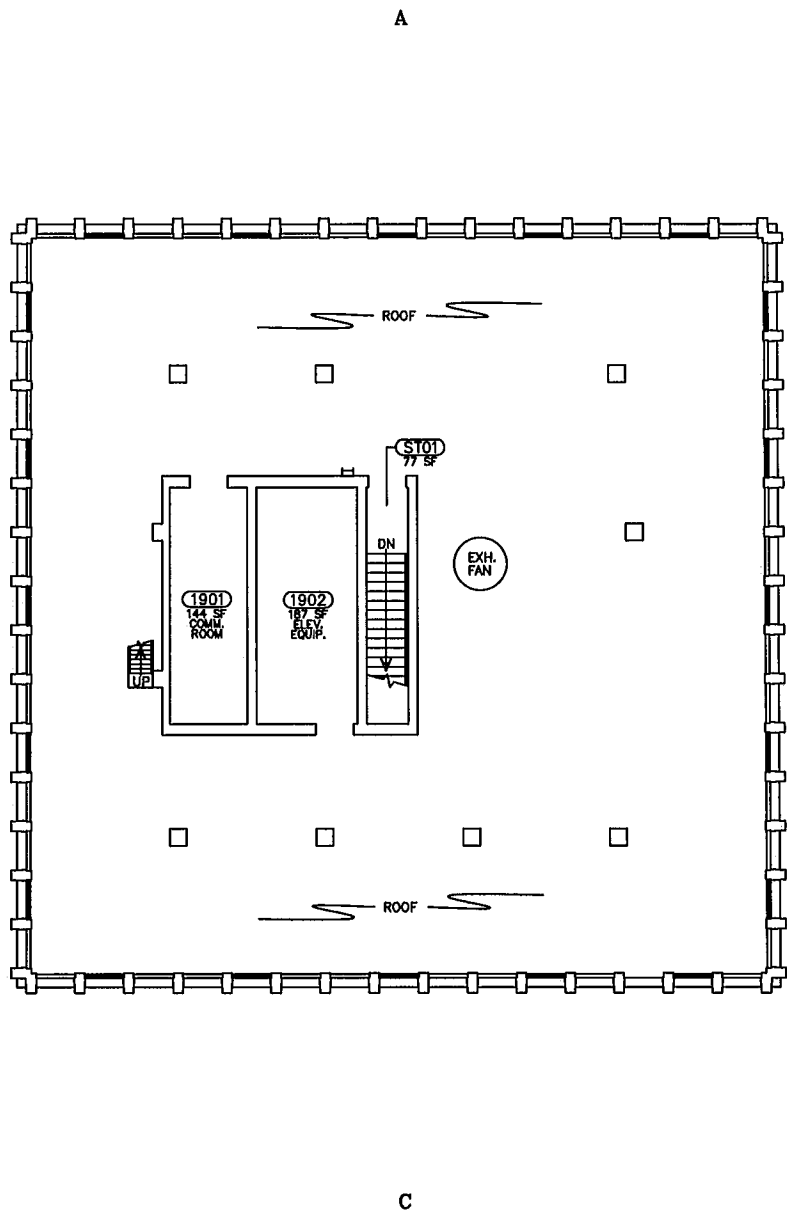
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GENERAL SITE PLAN
SOUTH TOWER - SECOND FLOOR
COLUMBIA, SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

DRAWN BY: MSM
CHECKED BY: JSL
APPROVED BY: GME

SCALE: 1"=16'
PROJECT: E5200.04
FIGURE: 5



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GENERAL SITE PLAN
SOUTH TOWER - NINETEENTH FLOOR (PH-ROOF)
COLUMBIA, SOUTH CAROLINA

UNIVERSITY OF SOUTH CAROLINA

DRAWN BY: MSM
CHECKED BY: JSL
APPROVED BY: GME

SCALE: 1"=16'
PROJECT: E5200.04
FIGURE: 8

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
1			SHUTTER_CAL								8.27
2			CALIBRATE						Positive	0.7	0.7
3			CALIBRATE						Positive	0.7	0.7
4			CALIBRATE						Positive	0.7	0.7
5	Bulletin brd. frame	WOOD	D	FAIR	BLUE	S. TOWER	18	H1801	Negative	0.7	< LOD
6	WALL	DRYWALL	D	FAIR	WHITE	S. TOWER	18	H1801	Null	0.7	< LOD
7	WALL	DRYWALL	D	FAIR	WHITE	S. TOWER	18	H1801	Negative	0.7	< LOD
8	Fire hose box	METAL	D	FAIR	WHITE	S. TOWER	18	H1801	Negative	0.7	< LOD
9	WALL	PLASTER	A	FAIR	WHITE	S. TOWER	18	H1801	Null	0.7	< LOD
10	WALL	PLASTER	A	FAIR	WHITE	S. TOWER	18	H1801	Negative	0.7	< LOD
11	Elevator casing	METAL	B	INTACT	BLACK	S. TOWER	18	H1801	Negative	0.7	< LOD
12	Elevator door	METAL	B	INTACT	BLACK	S. TOWER	18	H1801	Negative	0.7	< LOD
13	Ceiling track	METAL	B	INTACT	WHITE	S. TOWER	18	H1801	Negative	0.7	< LOD
14	Door case	METAL	D	INTACT	WHITE	S. TOWER	18	1807	Negative	0.7	< LOD
15	Door jamb	METAL	D	INTACT	WHITE	S. TOWER	18	1807	Negative	0.7	< LOD
16	Door	METAL	D	INTACT	WHITE	S. TOWER	18	1807	Negative	0.7	< LOD
17	Door	METAL	D	INTACT	WHITE	S. TOWER	18	stairs S.	Negative	0.7	< LOD
18	Door	METAL	A	INTACT	BLACK	S. TOWER	18	stairs S.	Negative	0.7	< LOD
19	Door case	METAL	A	INTACT	WHITE	S. TOWER	18	stairs S.	Negative	0.7	< LOD
20	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	18	stairs S.	Negative	0.7	< LOD
21	Door case	METAL	A	INTACT	TAN	S. TOWER	18	stairs S.	Negative	0.7	< LOD
22	Handrail	METAL	B	INTACT	TAN	S. TOWER	18	stairs S.	Negative	0.7	0.5
23	TREAD	CONCRETE	B	INTACT	GREY	S. TOWER	18	stairs S.	Negative	0.7	< LOD
24	RISER	CONCRETE	B	INTACT	TAN	S. TOWER	18	stairs S.	Negative	0.7	< LOD
25	WALL	CONCRETE	B	INTACT	WHITE	S. TOWER	18	stairs S.	Negative	0.7	0.09
26	WALL	CONCRETE	D	INTACT	WHITE	S. TOWER	18	stairs S.	Negative	0.7	0.11
27	CEILING	CONCRETE	D	INTACT	WHITE	S. TOWER	18	stairs S.	Negative	0.7	< LOD
28	Water fnt.	PORCELAIN	D	INTACT	WHITE	S. TOWER	18	H1802	Negative	0.7	< LOD
29	Sink	COMPOSITE	B	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
30	TOILET	PORCELAIN	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
31	TOILET Stall	COMPOSITE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
32	Shower wall	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Positive	0.7	1.6

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	Pbc mg / cm ²
33	Shower wall	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Positive	0.7	2
34	Shower wall	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Positive	0.7	1.8
35	Shower wall	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Positive	0.7	1.5
36	Shower floor	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
37	Shower basebrd.	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
38	Shower dress rm. Flr.	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
39	WALL	TILE	C	INTACT	WHITE	S. TOWER	18	BATHROOM	Positive	0.7	6.1
40	WALL	TILE	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Positive	0.7	5.4
41	FLOOR	TILE	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
42	CEILING	DRYWALL	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Null	0.7	< LOD
43	CEILING	DRYWALL	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Null	0.7	< LOD
44	CEILING	DRYWALL	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Null	0.7	< LOD
45	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Null	0.7	< LOD
46	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Null	0.7	< LOD
47	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Null	0.7	< LOD
48	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
49	BASEBOARD	TILE	D	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
50	Handdryer	METAL	B	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
51	Handdryer	METAL	B	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
52	Sink	PORCELAIN	B	INTACT	WHITE	S. TOWER	18	BATHROOM	Negative	0.7	< LOD
53	Sink	porc	B	INTACT	WHITE	S. TOWER	18	custodial	Negative	0.7	< LOD
54	FLOOR	TILE	B	INTACT	TAN	S. TOWER	18	custodial	Negative	0.7	< LOD
55	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	18	custodial	Negative	0.7	< LOD
56	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	18	custodial	Positive	0.7	5.3
57	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	18	custodial	Positive	0.7	2.5
58	CEILING	CONCRETE	B	INTACT	WHITE	S. TOWER	18	custodial	Negative	0.7	< LOD
59	Bulletin brd.	WOOD	D	INTACT	WHITE	S. TOWER	17	HI701	Negative	0.7	< LOD
60	Fire hose box	METAL	D	INTACT	WHITE	S. TOWER	17	HI701	Negative	0.7	< LOD
61	Fire hose box	METAL	D	INTACT	WHITE	S. TOWER	17	HI701	Negative	0.7	< LOD
62	Fire hose box	METAL	D	INTACT	RED	S. TOWER	17	HI701	Negative	0.7	0.23
63	Elevator casing	METAL	B	INTACT	BLACK	S. TOWER	17	HI701	Negative	0.7	< LOD
64	Elevator door	METAL	B	INTACT	BLACK	S. TOWER	17	HI701	Negative	0.7	< LOD

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
65	WALL	DRYWALL	A	INTACT	WHITE	S. TOWER	17	H1702	Negative	0.7	< LOD
66	WALL	PLASTER	C	INTACT	WHITE	S. TOWER	17	H1702	Negative	0.7	< LOD
67	Door	METAL	B	INTACT	WHITE	S. TOWER	17	1712	Negative	0.7	< LOD
68	Door jamb	METAL	B	INTACT	WHITE	S. TOWER	17	1712	Negative	0.7	< LOD
69	Door case	METAL	B	INTACT	WHITE	S. TOWER	17	1712	Negative	0.7	< LOD
70	Door jamb	METAL	A	INTACT	TAN	S. TOWER	17	custodial	Negative	0.7	< LOD
71	Door case	METAL	A	INTACT	WHITE	S. TOWER	17	custodial	Negative	0.7	< LOD
72	Door case	METAL	A	INTACT	WHITE	S. TOWER	17	custodial	Negative	0.7	< LOD
73	Door	WOOD	A	INTACT	WHITE	S. TOWER	17	custodial	Negative	0.7	< LOD
74	Door	WOOD	A	INTACT	BLUE	S. TOWER	17	custodial	Negative	0.7	< LOD
75	Door	WOOD	A	INTACT	blk.	S. TOWER	17	custodial	Negative	0.7	< LOD
76	Sink	PORCELAIN	B	INTACT	WHITE	S. TOWER	17	custodial	Negative	0.7	< LOD
77	FLOOR	TILE	B	INTACT	TAN	S. TOWER	17	custodial	Null	0.7	< LOD
78	FLOOR	TILE	B	INTACT	TAN	S. TOWER	17	custodial	Negative	0.7	< LOD
79	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	17	custodial	Null	0.7	< LOD
80	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	17	custodial	Positive	0.7	4.9
81	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	17	custodial	Negative	0.7	< LOD
82	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	17	custodial	Null	0.7	< LOD
83	WALL	TILE	B	INTACT	WHITE	S. TOWER	17	BATHROOM	Positive	0.7	2.2
84	WALL	TILE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Positive	0.7	2.6
85	WALL	TILE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Null	0.7	< LOD
86	FLOOR	TILE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Null	0.7	< LOD
87	FLOOR	TILE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
88	Shower wall	TILE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Positive	0.7	2.4
89	Shower Stall	COMPOSITE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
90	Shower floor	TILE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
91	Shower dressing rm.	TILE	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
92	CEILING	PLASTER	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Null	0.7	< LOD
93	CEILING	PLASTER	C	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
94	Sink	COMPOSITE	B	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
95	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
96	BASEBOARD	TILE	D	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD

Side A = North, B = East, C = South, D = West

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg/cm ²
97	Door	WOOD	A	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
98	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
99	Door case	METAL	A	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
100	Door case	METAL	A	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
101	Door case	METAL	A	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
102	Sink shelf	WOOD	B	INTACT	WHITE	S. TOWER	17	BATHROOM	Negative	0.7	< LOD
103	Water fountain	PORCELAIN	B	INTACT	WHITE	S. TOWER	17	H1702	Negative	0.7	< LOD
104	Door	METAL	B	INTACT	WHITE	S. TOWER	17	S.stairs	Null	0.7	< LOD
105	Door	METAL	B	INTACT	WHITE	S. TOWER	17	S.stairs	Negative	0.7	< LOD
106	Door	METAL	C	INTACT	BLACK	S. TOWER	17	S.stairs	Negative	0.7	< LOD
107	Door jamb	METAL	C	INTACT	WHITE	S. TOWER	17	S.stairs	Null	0.7	< LOD
108	Door jamb	METAL	C	INTACT	WHITE	S. TOWER	17	S.stairs	Negative	0.7	< LOD
109	Door case	METAL	C	INTACT	WHITE	S. TOWER	17	S.stairs	Negative	0.7	< LOD
110	Door case	METAL	C	INTACT	BEIGE	S. TOWER	17	S.stairs	Negative	0.7	< LOD
111	Pipe	METAL	C	INTACT	WHITE	S. TOWER	17	S.stairs	Null	0.7	< LOD
112	Pipe	METAL	C	INTACT	WHITE	S. TOWER	17	S.stairs	Negative	0.7	< LOD
113	Handrail	METAL	B	INTACT	TAN	S. TOWER	17	S.stairs	Positive	0.7	1.7
114	Handrail	METAL	B	INTACT	TAN	S. TOWER	17	S.stairs	Positive	0.7	1.3
115	Handrail	METAL	B	INTACT	TAN	S. TOWER	17	S.stairs	Positive	0.7	2.4
116	TREAD	CONCRETE	B	INTACT	GREY	S. TOWER	17	S.stairs	Negative	0.7	< LOD
117	TREAD	CONCRETE	B	INTACT	GREY	S. TOWER	17	S.stairs	Negative	0.7	< LOD
118	RISER	CONCRETE	B	INTACT	TAN	S. TOWER	17	S.stairs	Null	0.7	< LOD
119	RISER	CONCRETE	B	INTACT	TAN	S. TOWER	17	S.stairs	Negative	0.7	< LOD
120	WALL	CONCRETE	B	INTACT	WHITE	S. TOWER	17	S.stairs	Negative	0.7	0.08
121	Ceiling track	METAL	B	INTACT	WHITE	S. TOWER	17	S.stairs	Negative	0.7	< LOD
122	Ceiling track	METAL	B	INTACT	WHITE	S. TOWER	17	S.stairs	Negative	0.7	< LOD
123	Door case	METAL	B	INTACT	BLUE	S. TOWER	17	1700	Negative	0.7	< LOD
124	Door case	METAL	B	INTACT	BLUE	S. TOWER	17	1700	Negative	0.7	< LOD
125	Door case	METAL	A	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
126	Door case	METAL	A	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
127	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
128	Door	WOOD	A	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
129	Door	WOOD	A	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
130	Door	WOOD	C	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
131	Door	WOOD	C	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
132	Door jamb	METAL	C	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
133	Door case	METAL	C	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
134	Door case	METAL	C	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
135	Shower wall	TILE	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Positive	0.7	1.9
136	Shower floor	TILE	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
137	Shower dress rm. flr.	TILE	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
138	Shower Stall	COMPOSITE	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
139	Sink	COMPOSITE	B	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
140	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
141	Stall Door	WOOD	B	INTACT	YELLOW	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
142	FLOOR	TILE	B	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
143	WALL	TILE	B	INTACT	WHITE	S. TOWER	15	BATHROOM	Positive	0.7	6.1
144	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	15	BATHROOM	Null	0.7	< LOD
145	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
146	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Null	0.7	< LOD
147	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
148	CEILING	PLASTER	D	INTACT	WHITE	S. TOWER	15	BATHROOM	Negative	0.7	< LOD
149	BASEBOARD	TILE	D	INTACT	WHITE	S. TOWER	15	custodial	Positive	0.7	1.4
150	FLOOR	TILE	D	INTACT	TAN	S. TOWER	15	custodial	Null	0.7	< LOD
151	FLOOR	TILE	D	INTACT	TAN	S. TOWER	15	custodial	Negative	0.7	< LOD
152	Sink	porc	B	INTACT	WHITE	S. TOWER	15	custodial	Negative	0.7	< LOD
153	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	15	custodial	Negative	0.7	< LOD
154	Door	WOOD	A	INTACT	BLACK	S. TOWER	15	custodial	Negative	0.7	< LOD
155	Door	WOOD	A	INTACT	WHITE	S. TOWER	15	custodial	Negative	0.7	< LOD
156	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	15	custodial	Negative	0.7	< LOD
157	Door case	METAL	A	INTACT	WHITE	S. TOWER	15	custodial	Negative	0.7	< LOD
158	Door case	METAL	A	INTACT	WHITE	S. TOWER	15	custodial	Negative	0.7	< LOD
159	Door	WOOD	A	INTACT	WHITE	S. TOWER	15	1506	Negative	0.7	< LOD
160	Door case	METAL	A	INTACT	WHITE	S. TOWER	15	1506	Negative	0.7	< LOD

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
161	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	15	1506	Negative	0.7	< LOD
162	WALL	DRYWALL	A	INTACT	WHITE	S. TOWER	15	H1501	Negative	0.7	< LOD
163	WALL	PLASTER	A	INTACT	WHITE	S. TOWER	15	H1501	Negative	0.7	< LOD
164	bulletin brd. frame	WOOD	A	INTACT	YELLOW	S. TOWER	15	H1501	Negative	0.7	< LOD
165	Elevator casing	METAL	B	INTACT	BLACK	S. TOWER	15	H1501	Negative	0.7	< LOD
166	Elevator door	METAL	B	INTACT	BLACK	S. TOWER	15	H1501	Negative	0.7	< LOD
167	Water fountain	PORCELAIN	A	INTACT	WHITE	S. TOWER	15	H1502	Null	0.7	< LOD
168	Water fountain	PORCELAIN	A	INTACT	WHITE	S. TOWER	15	H1502	Negative	0.7	< LOD
169	Handrail	METAL	A	INTACT	TAN	S. TOWER	15	N. stairs	Positive	0.7	1.4
170	RISER	CONCRETE	A	INTACT	TAN	S. TOWER	15	N. stairs	Null	0.7	< LOD
171	RISER	CONCRETE	A	INTACT	TAN	S. TOWER	15	N. stairs	Null	0.7	< LOD
172	RISER	CONCRETE	A	INTACT	TAN	S. TOWER	15	N. stairs	Negative	0.7	< LOD
173	TREAD	CONCRETE	A	INTACT	GREY	S. TOWER	15	N. stairs	Negative	0.7	< LOD
174	TREAD	CONCRETE	A	INTACT	GREY	S. TOWER	15	N. stairs	Negative	0.7	< LOD
175	WALL	CONCRETE	A	INTACT	WHITE	S. TOWER	15	N. stairs	Null	0.7	0.07
178	WALL	CONCRETE	A	INTACT	WHITE	S. TOWER	15	N. stairs	Negative	0.7	0.07
179	WALL	CONCRETE	A	INTACT	WHITE	S. TOWER	15	N. stairs	Null	0.7	0.05
180	WALL	CONCRETE	A	INTACT	WHITE	S. TOWER	15	N. stairs	Negative	0.7	0.07
181	Door	METAL	A	INTACT	BLACK	S. TOWER	15	N. stairs	Negative	0.7	< LOD
182	Door	METAL	A	INTACT	WHITE	S. TOWER	15	N. stairs	Negative	0.7	< LOD
183	Door case	METAL	A	INTACT	WHITE	S. TOWER	15	N. stairs	Negative	0.7	< LOD
184	Door case	METAL	A	INTACT	BEIGE	S. TOWER	15	N. stairs	Negative	0.7	< LOD
185	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	15	N. stairs	Negative	0.7	< LOD
186		SHUTTER_CAL									8.56
187		CALIBRATE							Positive	0.7	0.7
188		CALIBRATE							Positive	0.7	0.8
189		CALIBRATE							Positive	0.7	0.8
190		SHUTTER_CAL									8.03
191		CALIBRATE							Positive	0.7	0.7
192		CALIBRATE							Positive	0.7	0.7
193		CALIBRATE							Positive	0.7	0.7
194	Door Stall	WOOD	D	INTACT	blk.	S. TOWER	13	BATHROOM	Negative	0.7	0.07

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
194	Door Stall	WOOD	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.04
195	Stall	COMPOSITE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0
196	Sink	COMPOSITE	B	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0
197	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Null	0.7	0.03
198	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.06
199	WALL	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Positive	0.7	6.3
200	WALL	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Positive	0.7	2.4
201	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Null	0.7	0.16
202	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.08
203	CEILING	PLASTER	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.1
204	FLOOR	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.01
205	BASEBOARD	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.03
206	Shower wall	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Positive	0.7	1.5
207	Shower floor	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0
208	Soapdish	PORCELAIN	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.04
209	Shower dress rm. flr.	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Null	0.7	0.01
210	Shower dress rm. flr.	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.09
211	Shower dress rm. flr.	TILE	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0
212	Door	WOOD	D	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.02
213	Door	WOOD	C	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.17
214	Doorjamb	METAL	C	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.1
215	Doorcase	METAL	C	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.02
216	Doorcase	METAL	C	INTACT	WHITE	S. TOWER	12	BATHROOM	Negative	0.7	0.07
217	Doorcase	METAL	A	INTACT	WHITE	S. TOWER	12	custodial	Negative	0.7	0.1
218	Doorcase	METAL	A	INTACT	WHITE	S. TOWER	12	custodial	Negative	0.7	0.01
219	Doorjamb	METAL	A	INTACT	TAN	S. TOWER	12	custodial	Negative	0.7	0.07
220	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	12	custodial	Negative	0.7	0.01
221	FLOOR	TILE	D	INTACT	BEIGE	S. TOWER	12	custodial	Negative	0.7	0.03
222	BASEBOARD	TILE	D	INTACT	WHITE	S. TOWER	12	custodial	Positive	0.7	2.1
223	Sink	PORCELAIN	B	INTACT	WHITE	S. TOWER	12	custodial	Negative	0.7	0.19
224	Sink	PORCELAIN	B	INTACT	WHITE	S. TOWER	12	custodial	Negative	0.7	0.01
225	Door	METAL	A	INTACT	BLACK	S. TOWER	12	electr.	Null	0.7	0.05

Table I. XRF Data
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Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
226	Door	METAL	A	INTACT	BLACK	S. TOWER	12	electr.	Negative	0.7	0.07
227	Elect.wire board	WOOD	A	INTACT	BIU-GRY	S. TOWER	12	electr.	Negative	0.7	0
228	Door case	METAL	A	INTACT	TAN	S. TOWER	12	electr.	Null	0.7	0
229	Door case	METAL	A	INTACT	TAN	S. TOWER	12	electr.	Negative	0.7	0.04
230	Door case	METAL	A	INTACT	TAN	S. TOWER	12	electr.	Negative	0.7	0
231	Door case	METAL	A	INTACT	TAN	S. TOWER	12	electr.	Negative	0.7	0.01
232	Door	METAL	A	INTACT	WHITE	S. TOWER	12	electr.	Negative	0.7	0.02
233	Door	METAL	A	INTACT	WHITE	S. TOWER	12	electr.	Null	0.7	0.04
234	Elevator casing	METAL	A	INTACT	BLACK	S. TOWER	12	H1201	Negative	0.7	0.01
235	Elevator door	METAL	A	INTACT	BLACK	S. TOWER	12	H1201	Negative	0.7	0
236	Bulletin brd. frame	WOOD	D	INTACT	WHITE	S. TOWER	12	H1201	Negative	0.7	0
237	WALL	DRYWALL	D	INTACT	WHITE	S. TOWER	12	H1201	Negative	0.7	0
238	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	12	H1201	Null	0.7	0
239	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	12	H1201	Negative	0.7	0
240	Door	WOOD	D	INTACT	WHITE	S. TOWER	12	1207	Negative	0.7	0.03
241	Door case	METAL	D	INTACT	WHITE	S. TOWER	12	1207	Negative	0.7	0.09
242	Door jamb	METAL	D	INTACT	WHITE	S. TOWER	12	1207	Negative	0.7	0.12
243	Ceiling track	METAL	D	INTACT	WHITE	S. TOWER	12	1207	Negative	0.7	0
244	Water fountain	PORCELAIN	A	INTACT	WHITE	S. TOWER	12	H1202	Negative	0.7	0.01
245	Handrail	METAL	C	INTACT	TAN	S. TOWER	12	S.stairs	Positive	0.7	1.3
246	RISER	CONCRETE	C	INTACT	TAN	S. TOWER	12	S.stairs	Null	0.7	0
247	RISER	CONCRETE	C	INTACT	TAN	S. TOWER	12	S.stairs	Negative	0.7	0
248	TREAD	CONCRETE	C	INTACT	GREY	S. TOWER	12	S.stairs	Negative	0.7	0
249	Heater	METAL	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.07
250	Heater	METAL	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.25
251	Heater	METAL	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.1
252	WALL	CONCRETE	B	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.1
253	Door	METAL	C	INTACT	BLACK	S. TOWER	12	S.stairs	Negative	0.7	0.08
254	Door	METAL	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.04
255	Door case	METAL	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.05
256	Door jamb	METAL	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.09
257	Door jamb	METAL	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.1

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg/cm ²
258	CEILING	CONCRETE	C	INTACT	WHITE	S. TOWER	12	S.stairs	Null	0.7	0.01
259	CEILING	CONCRETE	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0
260	CEILING	CONCRETE	C	INTACT	WHITE	S. TOWER	12	S.stairs	Negative	0.7	0.02
261	Bulletin brd. frame	WOOD	D	INTACT	BLACK	S. TOWER	12	H1001	Negative	0.7	0
262	Handrail	METAL	D	INTACT	TAN	S. TOWER	9	S.stairs	Negative	0.7	0.5
263	Handrail	METAL	D	INTACT	TAN	S. TOWER	9	S.stairs	Positive	0.7	0.9
264	Handrail	METAL	D	INTACT	TAN	S. TOWER	9	S.stairs	Positive	0.7	1.7
265	RISER	CONCRETE	D	INTACT	TAN	S. TOWER	9	S.stairs	Negative	0.7	0.01
266	TREAD	CONCRETE	D	INTACT	GREY	S. TOWER	9	S.stairs	Negative	0.7	0.01
267	WALL	CONCRETE	D	INTACT	WHITE	S. TOWER	9	S.stairs	Negative	0.7	0.06
268	WALL	CONCRETE	B	INTACT	WHITE	S. TOWER	9	S.stairs	Negative	0.7	0.07
269	Door	METAL	A	INTACT	blk	S. TOWER	9	S.stairs	Negative	0.7	0.03
270	Door	METAL	A	INTACT	WHITE	S. TOWER	9	S.stairs	Negative	0.7	0.01
271	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	9	S.stairs	Negative	0.7	0.05
272	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	9	S.stairs	Negative	0.7	0.04
273	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	9	S.stairs	Negative	0.7	0.16
274	Door	WOOD	A	INTACT	WHITE	S. TOWER	9	custodial	Negative	0.7	0.08
275	Door	WOOD	A	INTACT	BLACK	S. TOWER	9	custodial	Negative	0.7	0.03
276	Sink	PORCELAIN	B	INTACT	WHITE	S. TOWER	9	custodial	Negative	0.7	0.01
277	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	9	custodial	Negative	0.7	0
278	FLOOR	TILE	B	INTACT	TAN	S. TOWER	9	custodial	Negative	0.7	0.01
279	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	9	custodial	Positive	0.7	5.6
280	Door	WOOD	A	INTACT	WHITE	S. TOWER	9	911	Negative	0.7	0.11
281	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	9	911	Negative	0.7	0.02
282	Door case	METAL	A	INTACT	WHITE	S. TOWER	9	911	Negative	0.7	0.02
283	WALL	DRYWALL	A	INTACT	WHITE	S. TOWER	9	H903	Negative	0.7	0
284	WALL	PLASTER	A	INTACT	WHITE	S. TOWER	9	H903	Negative	0.7	0
285	WALL	TILE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Positive	0.7	2.2
286	BASEBOARD	TILE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0.01
287	FLOOR	TILE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0.01
288	Sink	COMPOSITE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0.01
289	TOILET	PORCELAIN	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0.01

Side A = North, B = East, C = South, D = West

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
290	Stall Door	WOOD	A	INTACT	BLUE	S. TOWER	9	BATHROOM	Negative	0.7	0.05
291	Stall Door	WOOD	A	INTACT	BLUE	S. TOWER	9	BATHROOM	Negative	0.7	0.03
292	CEILING	PLASTER	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0.03
293	Shower Stall	COMPOSITE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Null	0.7	0
294	Shower Stall	COMPOSITE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0
295	Shower wall	TILE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Positive	0.7	1.9
296	Shower floor	TILE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0.02
297	Shower dressing rm.	TILE	A	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0.02
298	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0
299	WALL	TILE	B	INTACT	WHITE	S. TOWER	9	BATHROOM	Positive	0.7	2.1
300	WALL	TILE	B	INTACT	WHITE	S. TOWER	9	BATHROOM	Negative	0.7	0
301	WALL	TILE	B	INTACT	WHITE	S. TOWER	9	BATHROOM	Positive	0.7	6.6
302	Elevator casing	METAL	B	INTACT	BLACK	S. TOWER	9	H901	Null	0.7	0.05
303	Elevator casing	METAL	B	INTACT	BLACK	S. TOWER	9	H901	Negative	0.7	0
304	Elevator door	METAL	B	INTACT	BLACK	S. TOWER	9	H901	Negative	0.7	0
305	Bulletin brd. frame	WOOD	C	INTACT	WHITE	S. TOWER	9	H901	Negative	0.7	0.01
306	Fire hose box	METAL	D	INTACT	WHITE	S. TOWER	9	H901	Negative	0.7	0.06
307	Fire hose box	METAL	D	INTACT	WHITE	S. TOWER	9	H901	Negative	0.7	0
308	Ceiling track	METAL	D	INTACT	WHITE	S. TOWER	9	H901	Negative	0.7	0
309	Ceiling track	METAL	D	INTACT	WHITE	S. TOWER	9	H901	Negative	0.7	0.02
310	WALL	DRYWALL	D	INTACT	WHITE	S. TOWER	9	H901	Negative	0.7	0
311	WALL	PLASTER	D	INTACT	WHITE	S. TOWER	9	H901	Negative	0.7	0
312	Door	WOOD	B	INTACT	WHITE	S. TOWER	3	300	Null	0.7	0
313	Door	WOOD	B	INTACT	WHITE	S. TOWER	3	302	Negative	0.7	0.02
314	Door jamb	METAL	B	INTACT	mint green	S. TOWER	3	302	Negative	0.7	0.12
315	Door case	METAL	B	INTACT	mint green	S. TOWER	3	302	Negative	0.7	0.07
316	Door case	METAL	B	INTACT	mint green	S. TOWER	3	S. stairs	Negative	0.7	0.04
317	Door jamb	METAL	B	INTACT	mint green	S. TOWER	3	S. stairs	Negative	0.7	0.14
318	Door	METAL	B	INTACT	WHITE	S. TOWER	3	S. stairs	Negative	0.7	0.09
319	Door	METAL	B	INTACT	BLACK	S. TOWER	3	S. stairs	Negative	0.7	0.05
320	Handrail	METAL	B	INTACT	TAN	S. TOWER	3	S. stairs	Positive	0.7	1.4
321	Tread	CONCRETE	B	INTACT	GREY	S. TOWER	3	S. stairs	Negative	0.7	0

Table 1. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
322	RISER	CONCRETE	B	INTACT	TAN	S. TOWER	3	S. stairs	Negative	0.7	0
323	WALL	CONCRETE	B	INTACT	WHITE	S. TOWER	3	S. stairs	Negative	0.7	0.13
324	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	3	custodial	Negative	0.7	0.01
325	FLOOR	TILE	B	INTACT	TAN	S. TOWER	3	custodial	Negative	0.7	0.01
326	BASEBOARD	TILE	B	INTACT	WHITE	S. TOWER	3	custodial	Positive	0.7	5.9
327	Door	WOOD	B	INTACT	WHITE	S. TOWER	3	custodial	Negative	0.7	0.03
328	Door	WOOD	B	INTACT	BLACK	S. TOWER	3	custodial	Negative	0.7	0.03
329	Door jamb	METAL	B	INTACT	TAN	S. TOWER	3	custodial	Negative	0.7	0.1
330	Door case	METAL	B	INTACT	mint green	S. TOWER	3	custodial	Negative	0.7	0.08
331	WALL	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Positive	0.7	2.5
332	TOILET	porc.	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.01
333	Sink	COMPOSITE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0
334	Shower wall	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.02
335	Shower wall	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Positive	0.7	1.5
336	Shower wall	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.01
337	Shower wall	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.01
338	Shower wall	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.01
339	Shower wall	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Positive	0.7	1.4
340	Shower basebrd.	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.01
341	Shower floor	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0
342	Shower dressing rm.	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.02
343	FLOOR	TILE	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.01
344	Stall Door	WOOD	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.02
345	BASEBOARD	WOOD	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.02
346	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0
347	WALL	DRYWALL	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Null	0.7	0
348	WALL	DRYWALL	B	INTACT	WHITE	S. TOWER	3	BATHROOM	Negative	0.7	0.01
349	Water fountain	PORCELAIN	B	INTACT	WHITE	S. TOWER	3	H303	Negative	0.7	0.01
350	Elevator casing	METAL	B	INTACT	BLACK	S. TOWER	3	H303	Negative	0.7	0
351	Elevator door	METAL	B	INTACT	BLACK	S. TOWER	3	H303	Negative	0.7	0.01
352		SHUTTER_CAL									8.44
353		CALIBRATE							Positive	0.7	0.7

Table 1. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	Pbc mg / cm ²
354			CALIBRATE						Positive	0.7	0.7
355			CALIBRATE						Positive	0.7	0.7
356			SHUTTER_CAL								7.74
357			CALIBRATE						Positive	0.7	0.7
358			CALIBRATE						Positive	0.7	0.7
359			CALIBRATE						Positive	0.7	0.7
360	WALL Shower	TILE	D	INTACT	WHITE	S.TOWER	5	BATHROOM	Positive	0.7	2.2
361	WALL Shower	TILE	D	INTACT	WHITE	S.TOWER	5	BATHROOM	Positive	0.7	1.6
362	WALL Shower	TILE	D	INTACT	WHITE	S.TOWER	2	BATHROOM	Positive	0.7	1.7
363	BASEBOARD	TILE	D	INTACT	WHITE	S.TOWER	2	custodial	Positive	0.7	1.4
364	WALL	CONCRETE	B	INTACT	WHITE	S.TOWER	1	lobby	Negative	0.7	0.06
365	COLUMN	CONCRETE	B	INTACT	WHITE	S.TOWER	1	lobby	Negative	0.7	< LOD
366	WALL	DRYWALL	C	INTACT	BEIGE	S.TOWER	1	lobby	Negative	0.7	< LOD
367	FLOOR	TERRAZO	C	INTACT	BEIGE	S.TOWER	1	lobby	Negative	0.7	< LOD
368	Door	WOOD	C	INTACT	STAIN	S.TOWER	1	lobby	Negative	0.7	< LOD
369	Door case	METAL	C	INTACT	BEIGE	S.TOWER	1	lobby	Negative	0.7	< LOD
370	Door case	METAL	C	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
371	Door case	METAL	C	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
372	Door jamb	METAL	C	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
373	WALL	PLASTER	D	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
374	WALL	TILE	D	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Positive	0.7	1.7
375	Sink	PORCELAIN	D	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
376	Urinal	PORCELAIN	D	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
377	TOILET	PORCELAIN	D	INTACT	WHITE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
378	BASEBOARD	TILE	D	INTACT	BEIGE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
379	FLOOR	TILE	D	INTACT	BEIGE	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
380	Stall	WOOD	D	INTACT	GREY	S.TOWER	1	BATHROOM-105	Negative	0.7	< LOD
381	Sink	PORCELAIN	B	INTACT	WHITE	S.TOWER	1	custodial	Negative	0.7	< LOD
382	Sink	PORCELAIN	B	INTACT	WHITE	S.TOWER	1	custodial	Negative	0.7	< LOD
383	WALL	WOOD	D	INTACT	STAIN	S.TOWER	1	lobby	Negative	0.7	< LOD
384	Elevator door	METAL	D	INTACT	BLACK	S.TOWER	1	lobby	Negative	0.7	< LOD
385	WALL	DRYWALL	D	INTACT	BEIGE	S.TOWER	1	lobby	Negative	0.7	< LOD

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
386	WALL	WOOD	D	INTACT	WHITE	S.TOWER	1	lobby	Negative	0.7	< LOD
387	Door	WOOD	A	INTACT	STAIN	S.TOWER	1	N.stairs	Negative	0.7	< LOD
388	Door	WOOD	A	INTACT	STAIN	S.TOWER	1	N.stairs	Negative	0.7	< LOD
389	Door jamb	METAL	A	INTACT	WHITE	S.TOWER	1	N.stairs	Negative	0.7	< LOD
390	Door case	METAL	A	INTACT	WHITE	S.TOWER	1	N.stairs	Negative	0.7	< LOD
391	Door case	METAL	A	INTACT	WHITE	S.TOWER	1	N.stairs	Negative	0.7	< LOD
392	WALL	CONCRETE	B	INTACT	WHITE	S.TOWER	1	N.stairs	Negative	0.7	0.15
393	CEILING	CONCRETE	B	INTACT	WHITE	S.TOWER	1	N.stairs	Null	0.7	< LOD
394	CEILING	CONCRETE	B	INTACT	WHITE	S.TOWER	1	N.stairs	Null	0.7	< LOD
395	CEILING	CONCRETE		INTACT	WHITE	S.TOWER	1	N.stairs	Null	0.7	0.15
396	CEILING	CONCRETE		INTACT	WHITE	S.TOWER	1	N.stairs	Null	0.7	0.19
397	CEILING	CONCRETE		INTACT	WHITE	S.TOWER	1	N.stairs	Negative	0.7	0.01
398	Handrail	METAL	D	INTACT	TAN	S.TOWER	1	N.stairs	Positive	0.7	2.4
399	RISER	CONCRETE	D	INTACT	TAN	S.TOWER	1	N.stairs	Null	0.7	0.01
400	RISER	CONCRETE	D	INTACT	TAN	S.TOWER	1	N.stairs	Negative	0.7	0.01
401	TREAD	CONCRETE	D	INTACT	GREY	S.TOWER	1	N.stairs	Negative	0.7	0
402	WALL	DRYWALL	D	INTACT	WHITE	S.TOWER	1	107	Negative	0.7	0
403	COLUMN	CONCRETE	D	INTACT	WHITE	S.TOWER	1	107	Null	0.7	0
404	COLUMN	CONCRETE	D	INTACT	WHITE	S.TOWER	1	107	Null	0.7	0
405	COLUMN	CONCRETE	D	INTACT	WHITE	S.TOWER	1	107	Negative	0.7	0
406	Door	WOOD	C	INTACT	STAIN	S.TOWER	1	107	Negative	0.7	0
407	Door	WOOD	C	INTACT	STAIN	S.TOWER	1	107	Negative	0.7	0
408	Door jamb	METAL	C	INTACT	BEIGE	S.TOWER	1	107	Negative	0.7	0
409	Door case	METAL	C	INTACT	BEIGE	S.TOWER	1	107	Negative	0.7	0
410	Door case	METAL	C	INTACT	WHITE	S.TOWER	1	107	Negative	0.7	0
411	WALL	DRYWALL	C	INTACT	WHITE	S.TOWER	1	107	Negative	0.7	0
412	WALL	DRYWALL	C	INTACT	WHITE	S.TOWER	1	103D	Negative	0.7	0
413	TRIM-Doorway	WOOD	C	INTACT	WHITE	S.TOWER	1	103D	Negative	0.7	0
414	TRIM-Doorway	WOOD	C	INTACT	WHITE	S.TOWER	1	103D	Negative	0.7	0.01
415	FLOOR	TILE	C	INTACT	BEIGE	S.TOWER	1	103D	Null	0.7	0.17
416	FLOOR	TILE	C	INTACT	BEIGE	S.TOWER	1	103D	Negative	0.7	0.04
417	CABINET	WOOD	A	INTACT	STAIN	S.TOWER	1	103D	Negative	0.7	0

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	Pbc mg/cm ²
418	CABINET	WOOD	A	INTACT	STAIN	S. TOWER	1	103D	Negative	0.7	0
419	Sink counter	WOOD	A	INTACT	WHITE	S. TOWER	1	103D	Negative	0.7	0
420	Sink	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Null	0.7	0.03
421	Sink	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0.01
422	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Null	0.7	0.01
423	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Null	0.7	0.01
424	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0.01
425	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Null	0.7	0.01
426	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0.01
427	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0.02
428	TUB	PORCELAIN	B	INTACT	WHITE	S. TOWER	1	103B	Null	0.7	0.01
429	TUB	PORCELAIN	B	INTACT	WHITE	S. TOWER	1	103B	Null	0.7	< LOD
430	TUB	PORCELAIN	B	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0.01
431	WALL	TILE	B	INTACT	WHITE	S. TOWER	1	103B	Positive	0.7	1.8
432	FLOOR	TILE	B	INTACT	TAN	S. TOWER	1	103B	Negative	0.7	0.02
433	Door	WOOD	C	INTACT	STAIN	S. TOWER	1	103B	Negative	0.7	0
434	Door jamb	METAL	C	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0.02
435	Door case	METAL	C	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0.01
436	Door case	METAL	C	INTACT	WHITE	S. TOWER	1	103B	Negative	0.7	0
437	WALL	CONCRETE	C	INTACT	WHITE	S. TOWER	1	103A	Negative	0.7	0.01
438	WALL	DRYWALL	A	INTACT	WHITE	S. TOWER	1	103A	Null	0.7	0.07
439	WALL	DRYWALL	A	INTACT	WHITE	S. TOWER	1	103A	Negative	0.7	0.1
440	WALL	DRYWALL	A	INTACT	WHITE	S. TOWER	1	103A	Null	0.7	0.1
441	WALL	DRYWALL	B	INTACT	WHITE	S. TOWER	1	V102	Negative	0.7	0.4
442	WALL	WOOD	B	INTACT	STAIN	S. TOWER	1	V102	Negative	0.7	0.01
443	FLOOR	TERRAZO	B	INTACT	TAN	S. TOWER	1	V102	Negative	0.7	0
444	Counter top	COMPOSITE	B	INTACT	TAN	S. TOWER	1	V102	Negative	0.7	0
445	Counter top	COMPOSITE	B	INTACT	TAN	S. TOWER	1	V102	Negative	0.7	0.01
446	Counter	WOOD	B	INTACT	TAN	S. TOWER	1	V102	Negative	0.7	0
447	Counter	WOOD	B	INTACT	TAN	S. TOWER	1	V102	Negative	0.7	0
448	WALL	DRYWALL	B	INTACT	BEIGE	S. TOWER	1	V102	Negative	0.7	0
449	Door	WOOD	B	INTACT	STAIN	S. TOWER	1	V102	Negative	0.7	0

Table I. XRF Data
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Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
450	WINDOW trim	METAL	B	INTACT	BEIGE	S. TOWER	1	V102	Negative	0.7	0
451	WINDOW case	METAL	B	INTACT	BEIGE	S. TOWER	1	V102	Negative	0.7	0
452	WALL	PLASTER	A	INTACT	WHITE	S. TOWER	1	HALL	Negative	0.7	0
453	WALL	PLASTER	C	INTACT	WHITE	S. TOWER	1	HALL	Negative	0.7	0
454	Door jamb	METAL	B	INTACT	BROWN	S. TOWER	1	stairs-basem.	Negative	0.7	0.14
455	Door case	METAL	B	INTACT	BROWN	S. TOWER	1	stairs-basem.	Negative	0.7	0.09
456	Door case	METAL	B	INTACT	WHITE	S. TOWER	1	stairs-basem.	Negative	0.7	0.06
457	Decor. Trim	VINYL	B	INTACT	BLACK	S. TOWER	1	stairs-Door.	Positive	0.7	2.6
458	Decor. Trim	VINYL	B	INTACT	BLACK	S. TOWER	1	101	Positive	0.7	1
459	BASEBOARD	VINYL	B	INTACT	BLACK	S. TOWER	1	101	Null	0.7	0.01
460	BASEBOARD	VINYL	B	INTACT	BLACK	S. TOWER	1	101	Negative	0.7	0
461	Decor. Trim	VINYL	D	INTACT	BLACK	S. TOWER	1	101	Positive	0.7	1.4
462	Decor. Trim	VINYL	D	INTACT	BLACK	S. TOWER	1	101	Positive	0.7	2.2
463	Decor. Trim	VINYL	D	INTACT	BLACK	S. TOWER	1	101	Positive	0.7	2.8
464	Decor. Trim	VINYL	D	INTACT	BLACK	S. TOWER	1	101	Null	0.7	0.2
465	Decor. Trim	VINYL	D	INTACT	BLACK	S. TOWER	1	101	Null	0.7	0.3
466	Decor. Trim	VINYL	B	INTACT	BLACK	S. TOWER	1	HALL	Positive	0.7	1.2
467	Decor. Trim	VINYL	B	INTACT	BLACK	S. TOWER	1	HALL	Positive	0.7	1.7
468	Decor. Trim	VINYL	B	INTACT	BLACK	S. TOWER	1	HALL	Positive	0.7	6.9
469	Decor. Trim	VINYL	B	INTACT	BLACK	S. TOWER	1	HALL	Positive	0.7	6.8
470	Decor. Trim	VINYL	B	INTACT	BLACK	S. TOWER	1	HALL	Positive	0.7	2.4
471	Door	METAL	B	INTACT	WHITE	S. TOWER	3	Pipe chase	Negative	0.7	0.07
472	Door	METAL	B	INTACT	BLACK	S. TOWER	3	Pipe chase	Negative	0.7	0.03
473	Pipe	METAL	B	INTACT	BLACK	S. TOWER	3	Pipe chase	Negative	0.7	0.03
474	Pipe	METAL	B	INTACT	BLACK	S. TOWER	3	Pipe chase	Negative	0.7	0.04
475	Pipe weld	METAL	B	INTACT	BLACK	S. TOWER	3	Pipe chase	Negative	0.7	0.01
476	Pipe weld	METAL	B	INTACT	BLACK	S. TOWER	3	Pipe chase	Negative	0.7	0.02
477	Pipe	METAL	B	INTACT	BLACK	S. TOWER	2	Pipe chase	Negative	0.7	0.02
478	Pipe	METAL	B	INTACT	BLACK	S. TOWER	2	Pipe chase	Null	0.7	0.01
479	Pipe	METAL	B	INTACT	BLACK	S. TOWER	2	Pipe chase	Null	0.7	0
480	Pipe	METAL	B	INTACT	BLACK	S. TOWER	2	Pipe chase	Null	0.7	0.06
481	Pipe	METAL	B	INTACT	BLACK	S. TOWER	2	Pipe chase	Negative	0.7	0

Table I. XRF Data
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Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg/cm ²
482	Pipe	METAL	B	INTACT	BLACK	S. TOWER	2	Pipe chase	Negative	0.7	0.05
483	Pipe	METAL	B	INTACT	BLACK	S. TOWER	2	Pipe chase	Negative	0.7	0.04
484			SHUTTER_CAL								8.19
485			CALIBRATE						Positive	0.7	0.7
486			CALIBRATE						Positive	0.7	0.7
487			CALIBRATE						Positive	0.7	0.7
488			SHUTTER_CAL								8.02
489			CALIBRATE						Positive	0.7	0.7
490			CALIBRATE						Positive	0.7	0.7
491			CALIBRATE						Positive	0.7	0.7
492	WALL	CONCRETE	D	INTACT	WHITE	S. TOWER	BASEMENT	1	Negative	0.7	0.09
493	COLUMN	CONCRETE	B	INTACT	WHITE	S. TOWER	BASEMENT	1	Negative	0.7	0.08
494	FLOOR	TILE	B	INTACT	RED	S. TOWER	BASEMENT	1	Negative	0.7	< LOD
495	BASEBOARD	TILE	B	INTACT	RED	S. TOWER	BASEMENT	1	Null	0.7	< LOD
496	BASEBOARD	TILE	B	INTACT	RED	S. TOWER	BASEMENT	1	Negative	0.7	< LOD
497	Door	METAL	B	INTACT	WHITE	S. TOWER	BASEMENT	1	Negative	0.7	< LOD
498	WALL	CONCRETE	B	INTACT	WHITE	S. TOWER	BASEMENT	H001	Null	0.7	< LOD
499	WALL	CONCRETE	B	INTACT	WHITE	S. TOWER	BASEMENT	H001	Negative	0.7	< LOD
500	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	BASEMENT	H001	Negative	0.7	< LOD
501	Door frame	METAL	B	INTACT	BLACK	S. TOWER	BASEMENT	H001	Negative	0.7	< LOD
502	Elevator door	METAL	B	INTACT	BLACK	S. TOWER	BASEMENT	H001	Negative	0.7	< LOD
503	Door	WOOD	C	INTACT	BLACK	S. TOWER	BASEMENT	H001	Negative	0.7	< LOD
504	Door frame	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	H001	Negative	0.7	< LOD
505	Door frame	METAL	C	PEELING	WHITE	S. TOWER	BASEMENT	4	Negative	0.7	< LOD
506	Door	WOOD	C	INTACT	BLACK	S. TOWER	BASEMENT	4	Negative	0.7	< LOD
507	Door	WOOD	C	INTACT	BLACK	S. TOWER	BASEMENT	4	Negative	0.7	< LOD
508	Door case	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	4	Negative	0.7	< LOD
509	Sink	PORCELAIN	D	INTACT	WHITE	S. TOWER	BASEMENT	4	Negative	0.7	< LOD
510	Sink	PORCELAIN	D	INTACT	WHITE	S. TOWER	BASEMENT	4	Negative	0.7	< LOD
511	WALL	DRYWALL	C	INTACT	WHITE	S. TOWER	BASEMENT	12	Negative	0.7	0.25
512	COLUMN	CONCRETE	C	INTACT	WHITE	S. TOWER	BASEMENT	12	Negative	0.7	0.06
513	Door	METAL	A	INTACT	BLACK	S. TOWER	BASEMENT	12	Negative	0.7	< LOD

Table 1. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
514	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	BASEMENT	12	Negative	0.7	0.3
515	Door case	METAL	A	INTACT	WHITE	S. TOWER	BASEMENT	12	Negative	0.7	< LOD
516	Door case	METAL	A	INTACT	BEIGE	S. TOWER	BASEMENT	12	Negative	0.7	0.4
517	COLUMN	CONCRETE	A	INTACT	WHITE	S. TOWER	BASEMENT	12	Negative	0.7	0.15
518	COLUMN	CONCRETE	A	INTACT	WHITE	S. TOWER	BASEMENT	9	Null	0.7	0.13
519	COLUMN	CONCRETE	A	INTACT	WHITE	S. TOWER	BASEMENT	9	Negative	0.7	0.12
520	WALL	DRYWALL	C	INTACT	BEIGE	S. TOWER	BASEMENT	9	Negative	0.7	0.08
521	WALL	PLASTER	A	INTACT	BEIGE	S. TOWER	BASEMENT	9	Negative	0.7	0.16
522	Door	METAL	C	INTACT	BLACK	S. TOWER	BASEMENT	9	Negative	0.7	< LOD
523	Door jamb	METAL	C	INTACT	BEIGE	S. TOWER	BASEMENT	9	Negative	0.7	< LOD
524	Door casing	METAL	C	INTACT	BEIGE	S. TOWER	BASEMENT	9	Negative	0.7	< LOD
525	Door casing	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	9	Negative	0.7	< LOD
526	WALL	TILE	D	INTACT	WHITE	S. TOWER	BASEMENT	8	Positive	0.7	2.9
527	WALL	TILE	D	INTACT	WHITE	S. TOWER	BASEMENT	8	Positive	0.7	2.4
528	FLOOR	TILE	D	INTACT	TAN	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
529	WALL	PLASTER	D	INTACT	TAN	S. TOWER	BASEMENT	8	Null	0.7	0.16
530	WALL	PLASTER	D	INTACT	TAN	S. TOWER	BASEMENT	8	Negative	0.7	0.11
531	WALL	PLASTER	C	INTACT	TAN	S. TOWER	BASEMENT	8	Negative	0.7	0.08
532	Sink	PORCELAIN	D	INTACT	WHITE	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
533	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
534	Stall	METAL	D	INTACT	TAN	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
535	Stall	METAL	D	INTACT	TAN	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
536	Ceiling track	METAL	D	INTACT	TAN	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
537	Door	WOOD	A	INTACT	BLACK	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
538	Door	WOOD	A	INTACT	BLACK	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
539	Door jamb	METAL	A	INTACT	WHITE	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
540	Door case	METAL	A	INTACT	WHITE	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
541	Door case	METAL	A	INTACT	TAN	S. TOWER	BASEMENT	8	Negative	0.7	< LOD
542	Pipe cover	WOOD	B	INTACT	RED	S. TOWER	BASEMENT	7	Negative	0.7	< LOD
543	WALL chase	WOOD	B	INTACT	WHITE	S. TOWER	BASEMENT	7	Negative	0.7	< LOD
544	Sink	PORCELAIN	B	INTACT	WHITE	S. TOWER	BASEMENT	7	Negative	0.7	< LOD
545	FLOOR	TILE	B	INTACT	TAN	S. TOWER	BASEMENT	7	Negative	0.7	< LOD

Table i. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	Pbc mg / cm ²
546	BASEBOARD	TILE	B	INTACT	TAN	S. TOWER	BASEMENT	7	Negative	0.7	< LOD
547	Ceiling track	METAL	B	INTACT	WHITE	S. TOWER	BASEMENT	7	Negative	0.7	< LOD
548	WALL	DRYWALL	D	INTACT	WHITE	S. TOWER	BASEMENT	7	Null	0.7	< LOD
549	WALL	DRYWALL	D	INTACT	WHITE	S. TOWER	BASEMENT	7	Negative	0.7	< LOD
550	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	BASEMENT	7	Null	0.7	< LOD
551	WALL	PLASTER	B	INTACT	WHITE	S. TOWER	BASEMENT	7	Negative	0.7	0.12
552	Door	METAL	A	INTACT	GREY	S. TOWER	subbasemnt	S102	Negative	0.7	< LOD
553	Door case	METAL	A	INTACT	GREY	S. TOWER	subbasemnt	S102	Negative	0.7	< LOD
554	Door case	METAL	A	INTACT	BEIGE	S. TOWER	subbasemnt	ST01	Negative	0.7	< LOD
555	Door jamb	METAL	A	INTACT	GREY	S. TOWER	subbasemnt	ST01	Negative	0.7	< LOD
556	Door	METAL	A	INTACT	GREY	S. TOWER	subbasemnt	ST01	Negative	0.7	< LOD
557	Door	METAL	A	INTACT	BLACK	S. TOWER	subbasemnt	ST01	Negative	0.7	< LOD
558	TANK	METAL	C	INTACT	BLACK	S. TOWER	subbasemnt	ST101	Negative	0.7	< LOD
559	TANK	METAL	C	INTACT	RED	S. TOWER	subbasemnt	ST101	Negative	0.7	< LOD
560	AIR COMPRESSOR	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Positive	0.7	1.6
561	AIR COMPRESSOR	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Negative	0.7	< LOD
562	AIR COMPRESSOR	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Null	0.7	< LOD
563	AIR COMPRESSOR	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Positive	0.7	3.8
564	AIR COMPRESSOR	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Positive	0.7	3.3
565	AIR COMPRESSOR	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Negative	0.7	< LOD
566	AIR COMPRESSOR	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Positive	0.7	2.7
567	AIR COMPRESSOR	METAL	D	INTACT	RED	S. TOWER	subbasemnt	ST101	Negative	0.7	< LOD
568	Machine	METAL	D	INTACT	RED	S. TOWER	subbasemnt	ST101	Negative	0.7	0.27
569	Machine	METAL	D	INTACT	BLUE	S. TOWER	subbasemnt	ST101	Negative	0.7	< LOD
570	Machine	METAL	D	INTACT	silver	S. TOWER	subbasemnt	ST101	Negative	0.7	< LOD
571	Machine-elevator	METAL	D	INTACT	BLUE	S. TOWER	penthouse	1902	Negative	0.7	< LOD
572	Machine-elevator	METAL	D	INTACT	YELLOW	S. TOWER	penthouse	1902	Negative	0.7	< LOD
573	Machine-elevator	METAL	D	INTACT	BLACK	S. TOWER	penthouse	1902	Negative	0.7	< LOD
574	Door	METAL	D	INTACT	GREY	S. TOWER	penthouse	1902	Negative	0.7	< LOD
575	Door case	METAL	D	INTACT	GREY	S. TOWER	penthouse	1902	Null	0.7	< LOD
576	Door case	METAL	D	INTACT	GREY	S. TOWER	penthouse	1902	Negative	0.7	< LOD
577	Door jamb	METAL	D	INTACT	GREY	S. TOWER	penthouse	1902	Negative	0.7	< LOD

Side A = North, B = East, C = South, D = West

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
578	FLOOR	CONCRETE	D	INTACT	GREY	S. TOWER	penthouse	1902	Negative	0.7	0.05
579	Stairs	CONCRETE	D	INTACT	GREY	S. TOWER	penthouse	ST01	Negative	0.7	0.04
580	Handrail	METAL	D	INTACT	BLACK	S. TOWER	penthouse	ST01	Positive	0.7	1.3
581	Former chiller base	METAL	D	INTACT	green	S. TOWER	roof		Negative	0.7	< LOD
582	Wall	PLASTER	D	INTACT	BEIGE	S. TOWER	roof		Negative	0.7	< LOD
583	Wall brace	PLASTER	D	INTACT	BEIGE	S. TOWER	roof		Negative	0.7	< LOD
584	Outside stairs	METAL	D	INTACT	BLACK	S. TOWER	roof		Negative	0.7	0.6
585	Outside stairs stringer	METAL	D	INTACT	BLACK	S. TOWER	roof		Positive	0.7	1.6
586	Outside stairs stringer	METAL	D	INTACT	BLACK	S. TOWER	roof		Positive	0.7	1.5
587	Outside stairs stringer	METAL	D	INTACT	BLACK	S. TOWER	roof		Positive	0.7	1
588	Flashing	METAL	D	INTACT	GREY	S. TOWER	roof		Negative	0.7	< LOD
589	Door	METAL	D	INTACT	BLACK	S. TOWER	roof		Negative	0.7	< LOD
590	Door frame	METAL	D	INTACT	BLACK	S. TOWER	roof		Negative	0.7	< LOD
591	Roof ladder	METAL	D	INTACT	RED	S. TOWER	roof		Negative	0.7	< LOD
592			CALIBRATE			S. TOWER			Negative	0.7	0.6
593			CALIBRATE			S. TOWER			Positive	0.7	0.7
594			CALIBRATE			S. TOWER			Positive	0.7	0.7
595			SHUTTER_CAL			S. TOWER					8.05
596			SHUTTER_CAL			S. TOWER					7.66
597			CALIBRATE			S. TOWER			Positive	0.7	0.7
598			CALIBRATE			S. TOWER			Positive	0.7	0.8
599			CALIBRATE			S. TOWER			Positive	0.7	0.7
600	Fire hose box	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	H002	Negative	0.7	< LOD
601	Fire hose box	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	H002	Negative	0.7	< LOD
602	Door	WOOD	C	INTACT	BLACK	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
603	Door casing	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	0.06
604	Door casing	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
605	Door	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
606	WALL	DRYWALL	A	INTACT	BEIGE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
607	WALL	CONCRETE	D	INTACT	BEIGE	S. TOWER	BASEMENT	3	Positive	0.7	1.2
608	WALL	CONCRETE	D	INTACT	BEIGE	S. TOWER	BASEMENT	3	Positive	0.7	0.7
609	WALL	CONCRETE	D	INTACT	BEIGE	S. TOWER	BASEMENT	3	Positive	0.7	1.2

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
610	WALL	CONCRETE	C	INTACT	BEIGE	S. TOWER	BASEMENT	3	Null	0.7	0.07
611	WALL	CONCRETE	C	INTACT	BEIGE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
612	WALL	DRYWALL	B	INTACT	BEIGE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
613	Door	WOOD	B	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
614	Door casing	WOOD	B	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
615	Door jamb	WOOD	B	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
616	WINDOW casing	WOOD	C	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
617	WINDOW casing	WOOD	C	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
618	WINDOW	MINIBLIND	C	INTACT	WHITE	S. TOWER	BASEMENT	3	Negative	0.7	< LOD
619	WALL	CONCRETE	C	INTACT	BEIGE	S. TOWER	BASEMENT	5	Positive	0.7	1.2
620	WALL	CONCRETE	C	INTACT	BEIGE	S. TOWER	BASEMENT	5	Positive	0.7	1.1
621	WALL	CONCRETE	C	INTACT	BEIGE	S. TOWER	BASEMENT	5	Positive	0.7	1.2
622	WALL	CONCRETE	B	INTACT	BEIGE	S. TOWER	BASEMENT	5	Positive	0.7	1.1
623	WALL	CONCRETE	B	INTACT	BEIGE	S. TOWER	BASEMENT	5	Positive	0.7	1.1
624	WALL	DRYWALL	A	INTACT	BEIGE	S. TOWER	BASEMENT	5	Negative	0.7	< LOD
625	WALL	DRYWALL	A	INTACT	BEIGE	S. TOWER	BASEMENT	5	Negative	0.7	0.5
626	WALL	TILE	D	INTACT	WHITE	S. TOWER	BASEMENT	6	Positive	0.7	2.3
627	BASEBOARD	TILE	D	INTACT	WHITE	S. TOWER	BASEMENT	6	Positive	0.7	6.2
628	Shower wall	TILE	D	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
629	Shower floor	TILE	D	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
630	FLOOR	TILE	D	INTACT	TAN	S. TOWER	BASEMENT	6	Null	0.7	< LOD
631	FLOOR	TILE	D	INTACT	TAN	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
632	TOILET	PORCELAIN	D	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
633	Sink	COMPOSITE	A	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
634	WALL	DRYWALL	A	INTACT	BEIGE	S. TOWER	BASEMENT	6	Negative	0.7	0.1
635	Door	WOOD	A	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
636	Door casing	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
637	Door jamb	METAL	C	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
638	WALL	TILE	C	INTACT	WHITE	S. TOWER	BASEMENT	6	Negative	0.7	< LOD
639	WALL	CONCRETE	B	INTACT	BEIGE	S. TOWER	BASEMENT	007A	Positive	0.7	2.2
640	WALL	DRYWALL	A	INTACT	BEIGE	S. TOWER	BASEMENT	007A	Null	0.7	< LOD
641	WALL	DRYWALL	A	INTACT	BEIGE	S. TOWER	BASEMENT	007A	Null	0.7	0.22
641	WALL	DRYWALL	A	INTACT	BEIGE	S. TOWER	BASEMENT	007A	Null	0.7	0.19

Table I. XRF Data
USC South Tower Dormitory

Reading No	Component	Substrate	Side	Condition	Color	Site	Floor	Room	Results	Action Level	PbC mg / cm ²
642	BASEBOARD	TILE	A	INTACT	WHITE	S. TOWER	BASEMENT	007A	Positive	0.7	4.9
643	Door	WOOD	A	INTACT	WHITE	S. TOWER	BASEMENT	007A	Negative	0.7	< LOD
644	Door casing	METAL	A	INTACT	WHITE	S. TOWER	BASEMENT	007A	Negative	0.7	< LOD
645	Door casing	WOOD	A	INTACT	WHITE	S. TOWER	BASEMENT	H004	Negative	0.7	< LOD
646	Door	WOOD	A	INTACT	WHITE	S. TOWER	BASEMENT	H004	Negative	0.7	< LOD
647	Door jamb	WOOD	A	INTACT	WHITE	S. TOWER	BASEMENT	H004	Negative	0.7	< LOD
648	WINDOW casing	WOOD	C	INTACT	WHITE	S. TOWER	BASEMENT	5	Negative	0.7	< LOD
649	WINDOW casing	WOOD	C	INTACT	WHITE	S. TOWER	BASEMENT	5	Negative	0.7	< LOD
650	WINDOW casing	WOOD	C	INTACT	WHITE	S. TOWER	BASEMENT	5	Negative	0.7	0.5
651	WINDOW casing	WOOD	C	INTACT	WHITE	S. TOWER	BASEMENT	5	Negative	0.7	0.6
652	COLUMN	CONCRETE	C	INTACT	BEIGE	S. TOWER	BASEMENT	3	Positive	0.7	2
653	WALL	CONCRETE	C	INTACT	WHITE	S. TOWER	penthouse	1901	Null	0.7	< LOD
654	WALL	CONCRETE	C	INTACT	WHITE	S. TOWER	penthouse	1901	Negative	0.7	< LOD
655	WALL	CONCRETE	A	INTACT	WHITE	S. TOWER	penthouse	1901	Null	0.7	< LOD
656	WALL	CONCRETE	A	INTACT	WHITE	S. TOWER	penthouse	1901	Negative	0.7	< LOD
657	WALL- outside	CONCRETE	A	INTACT	WHITE	S. TOWER	penthouse	1901	Negative	0.7	< LOD
658	KNEEWALL	TRANSITE	A	INTACT	WHITE	S. TOWER	roof	roof	Negative	0.7	< LOD
659		SHUTTER_CAL									7.54
660		CALIBRATE							Positive	0.7	0.8
661		CALIBRATE							Positive	0.7	0.7
662		CALIBRATE							Positive	0.7	0.7

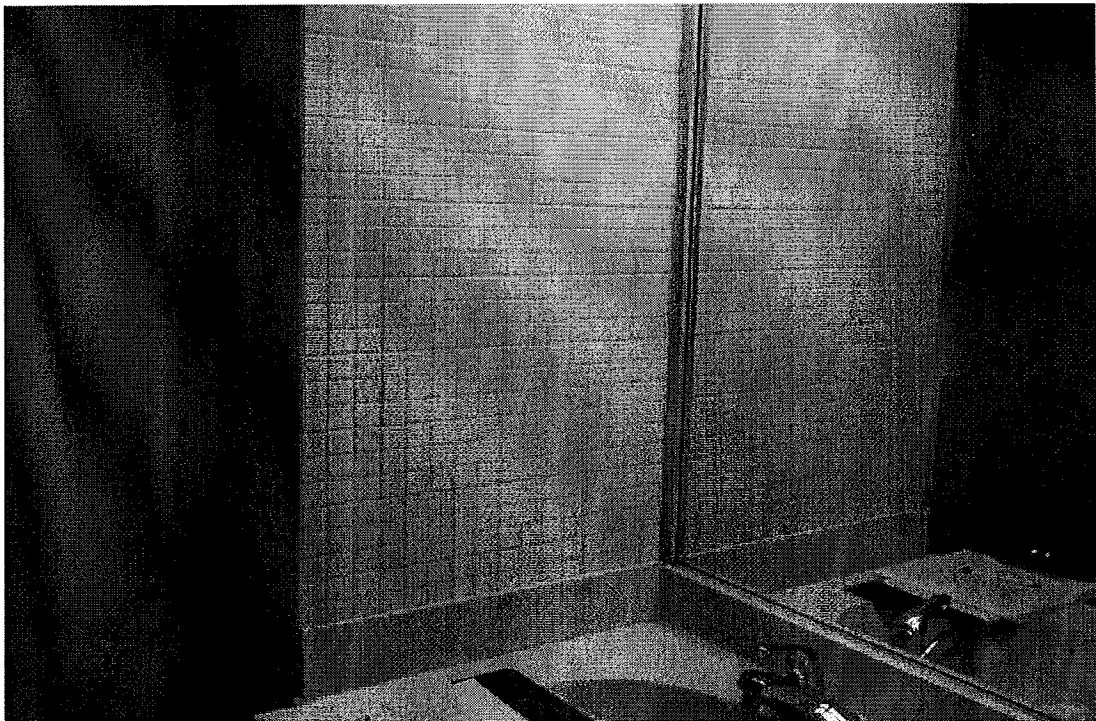
Table II. Positive Lead-Based Paint Items & Locations

Item(s) Painted or Coated with Lead Containing Material	Location of Positive Item(s)
4.5"x 4.5" White Ceramic Wall Tile	Walls of shower stalls in the community bathrooms on each floor
1.25"x 1.25" White Ceramic Wall Tile	Walls of community bathrooms on each floor, first floor bathroom, and rooms 006, 007A, and 008 on basement level.
Ceramic Tile Baseboard	Custodial closets throughout the building
Metal Handrails	Stairwells throughout the building and on the exterior set of stairs on the roof level
Metal Stair Stringers	Exterior stairs on roof level
Black Decorative Trim Strips	Around doors and top of walls throughout the first floor lobby area
Blue air compressor	Sub-basement
Painted Concrete Walls and Columns	Basement rooms 003 and 005 (Resident Hall Director's Apartment)

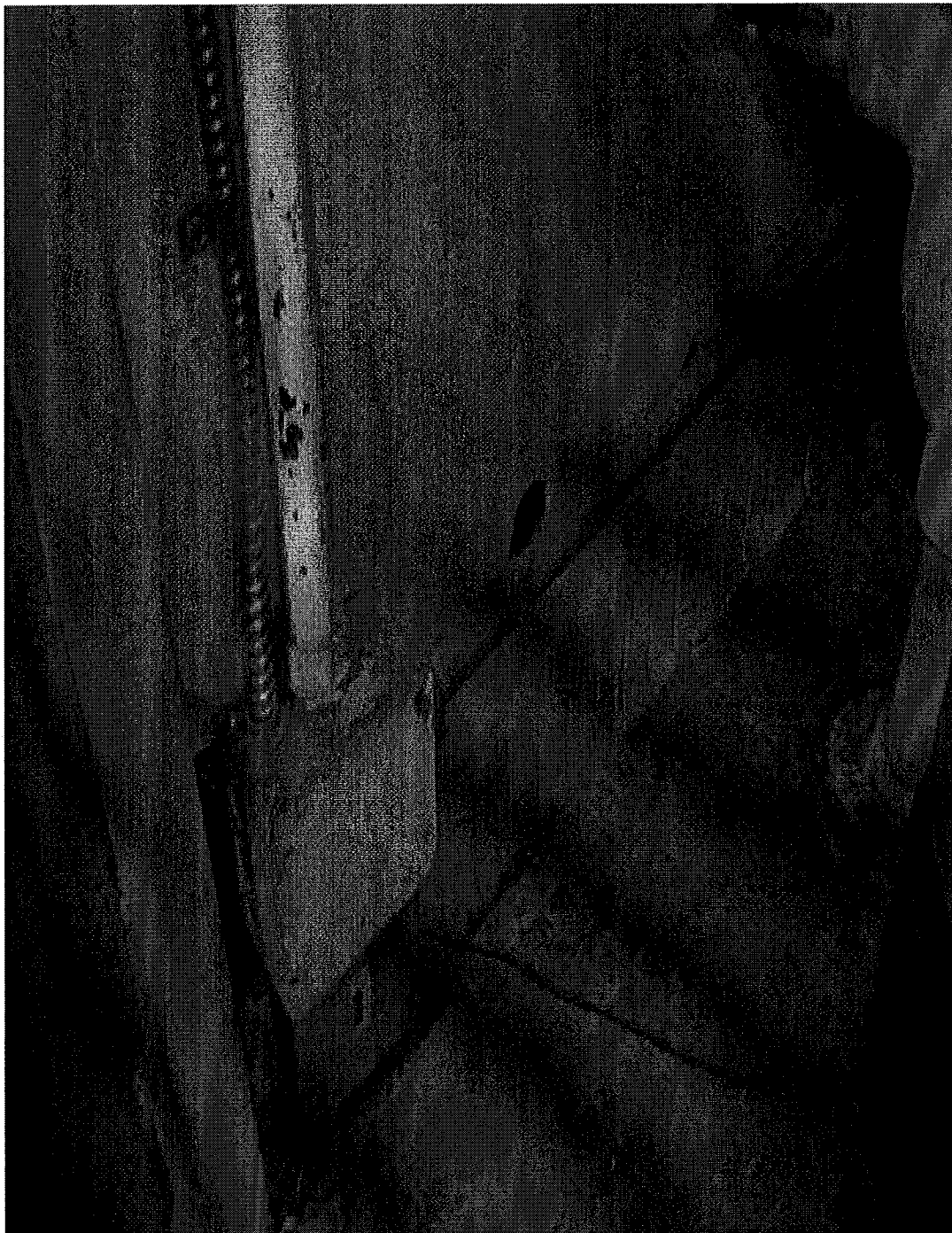
Table II



White ceramic tile in shower stalls in community bathrooms



White wall tiles in bathrooms throughout the building



Ceramic tile baseboard in custodial closets throughout the building



Black decorative trim strips on top of walls and around doors throughout the first floor lobby



APPENDIX B

Personnel Certification

United States Environmental Protection Agency

This is to certify that

Jeffrey Steve Leary

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

Inspector

In the Jurisdiction of:

South Carolina

This certification is valid from the date of issuance and expires July 29, 2012

SC-1-18721-1

Certification #

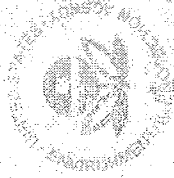
JUL 23 2009

Issued On



Jeanne M. Gettle, Chief

Pesticides and Toxic Substances Branch



APPENDIX C

SCDHEC Lead-Based Paint Disposal Fact Sheets



Lead-based Paint Disposal Fact Sheet

Terms You Should Know:

- ≡ **LEAD-BASED PAINT** - paint containing $>0.06\%$ (>600 ppm) *total lead*; or ≥ 0.7 mg/cm² XRF.
- ≡ **MUNICIPAL SOLID WASTE LANDFILL (MSWLF)** - A lined landfill with a leachate collection system & ground water monitoring that accepts municipal solid waste (garbage.) These landfills can accept waste painted with lead-based paint.
- ≡ **CONSTRUCTION, DEMOLITION, & LAND-CLEARING DEBRIS LANDFILL, a.k.a., "C&D Landfill"** - A landfill that accepts certain construction & demolition debris and land-clearing debris & yard trash. These landfills can NOT accept waste painted with lead-based paint.
- ≡ **"Total lead" analysis** - reveals the total amount of lead contained in the media being tested and is expressed in "ppm for Total lead"; used to determine acceptability of lead-based painted C&D waste for disposal at C&D landfills; when the total lead level on painted waste exceeds 0.06% by weight (>600 ppm) - the waste is NOT acceptable for disposal at a C&D landfill.
- ≡ **"TCLP" analysis** - (Toxicity characteristic leaching procedure) is used to determine whether or not a waste is a characteristic hazardous waste due to leachability and is expressed in mg/l; ≥ 5.0 mg/l is considered hazardous under the SC Hazardous Waste Management Regulation.
- ≡ **"XRF" analysis** - (X-ray Fluorescence Spectrum Analyzer) is used in-situ to determine the presence of lead-based paint; a reading of ≥ 0.7 mg/cm² means lead-based paint is present and, therefore, the painted waste is NOT acceptable at a C&D landfill. (The XRF analyzer must be licensed with DHEC.)



Facts You Should Know:

- ≡ C&D Landfills **CAN NOT** accept wastes painted with lead-based paint.
- ≡ All wastes painted with lead-based paint may be disposed in a Municipal Solid Waste Landfill.
- ≡ When determining proper disposal (C&D vs. MSWLF) for painted waste, one of the following methods must be used to test for the presence of lead-based paint. Analyze paint:
 - γ For total lead, *not TCLP* (All chemical analyses must be done by a laboratory certified by either DHEC or EPA's NLLAP (National Lead Laboratory Accreditation Program.); **OR**,
 - γ Using a X-ray Fluorescence (XRF) Spectrum Analyzer (S.C. licensed.)

≡ When paint is chemically removed, scraped, or sandblasted from a structure, the paint residue - after removal from the substrate - must ALWAYS be tested for lead using **TCLP** to determine if it is a “hazardous waste.” This requirement does NOT apply to paint residue removed from a home or residence. (Paint residue generated from a home or residence is considered household hazardous waste.)

≡ Generators that meet the requirements of a “conditionally exempt small quantity generator” pursuant to R.61-79.261.5, may dispose of hazardous waste in a Subtitle D landfill with approval from the landfill in lieu of disposal in a Subtitle C landfill.

≡ With regard to disposal, all non-hazardous wastes painted with “lead-based paint” are still considered “solid waste” NOT “hazardous wastes.”

TYPES OF LANDFILLS	DESCRIPTION OF LANDFILL	ACCEPTABLE WASTE	DETERMINATION OF LEAD LEVEL
C&D	Construction, Demolition, & Land-Clearing Debris Landfill; Least protected type landfill; no liners, & no groundwater monitoring	See Regulation 61-107.11, Appendix I (NO waste painted with lead-based paint)	Analyze paint using <i>Total Lead analysis, or XRF analyzer</i> . [<i>Total Pb</i> levels >600 ppm & <i>XRF</i> levels ≥ 0.7 mg/cm ² are NOT acceptable for disposal.]
MSWLF (Subtitle D)	Municipal Solid Waste Landfill; Synthetic liner & leachate collection system	- Can accept C&D waste painted with lead-based paint. - May accept hazardous wastes from “conditionally exempt small quantity generators” if acceptable under their Special Waste Plan.	- No testing required by DHEC - TCLP
Subtitle C §	Hazardous waste landfill	Paint residue with >5.0 mg/l lead	TCLP

§ *Disposal in a Subtitle C landfill does NOT apply to waste generated by construction or demolition activities conducted on a household or residence.*

Recycling C&D Waste Paint with Lead-based Paint:



≡ Metals painted with lead-based paint CAN be recycled - without removing the paint.

≡ Unless otherwise approved by the Department, C&D debris painted with lead-based paint can NOT be used as:

- γ mulch,
- γ fill material, or
- γ roadbed

Ω EXCEPTION: Crushed brick and block can be used for road bed IF it will be encapsulated in asphalt or cement.

Best Management Practices Recommended by EPA:

EPA encourages residents and contractors managing waste painted with lead-based paint from households to take common sense measures to minimize the generation of lead dust, limit access to stored wastes painted with lead-based paint and maintain the integrity of waste packaging material during transfer of the waste. The following actions are recommended:

- Collect paint chips and dust, and dirt and rubble in plastic trash bags for disposal;
- Store larger lead-base painted architectural debris pieces in containers until ready for disposal;
- Consider using a covered mobile dumpster (such as a roll-off container for storage of debris until the job is done;
- Follow the guide lines contained in this Fact Sheet for proper disposal of waste painted with lead-based paint.

NOTE:

Contractors working in residential dwellings are subject to either one or both of the following:

— The HUD Guidance for contractors doing publicly funded rehabilitation/renovation projects in public housing can be accessed via the Internet at <http://www.hud.gov/lea/learules.html>.

— TSCA 402/404 training and certification requirements. (See 40 CFR Part 745; 61 FR 45778, August 29, 1996) and the proposed TSCA onsite management standards (See 40 CFR Part 745, Subpart P; 63 FR 70227 -70230, Dec. 18, 1998.)

[The above-mentioned BMPs for households are similar to those included in the HUD Guidelines for individuals controlling lead-based paint (LBP) hazards in housing. HUD requires that contractors using HUD funding adhere to LBP hazard control guidelines. Non-adherence to these guidelines can potentially result in the loss of funding.]