ASBESTOS, LEAD AND HAZARDOUS MATERIALS
INSPECTION, SURVEY AND ASSESSMENT
FOR THE

STANSBURY HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

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February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

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ASBESTOS SURVEY AND ASSESSMENT
STANSBURY HALL
WEBER STATE UNIVERSITY

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1.0 EXECUTIVE SUMMARY

Asbestos Survey and Assessment
Stansbury Hall
Weber State University
Ogden, Utah 84322

An asbestos survey was conducted at the subject facility during December 2009.

The building was visually inspected to identify building materials that might contain asbestos. Bulk samples were collected from suspect materials and analyzed to determine if they contained asbestos. All asbestos-containing materials (ACM) were assessed for damage and the potential for exposure. This survey was requested and approved by Mr. Robert J. Anderson, Hazardous Materials Manager, State of Utah, Division of Facilities Construction and Management.

The following table lists all ACM that were identified in the building. Information specific to the building concerning inaccessible areas / materials and recommended response actions can be found in this report. There is important information in these sections that is not included in this executive summary. This report should be read in its entirety, including detailed information that is contained in other sections and appendices of this report.

Asbestos-Containing Materials by Homogeneous Area
Stansbury Hall
Weber State University

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Tan with Brown Streaks Rooms: 102, 103, 104, 105, 106, 107, 109, 111, 117, 118, 125, 126	10% Chrysotile (tile) None Detected (mastic)	2,502 SF	$9,563.70
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Cream with White and Brown Streaks Rooms: 114, 122	None Detected (tile) > 1% Chrysotile (mastic)	293 SF	$1,274.55

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
M07	**Cove Base and Mastic** 4" Brown Rubber with Limestone; Yellow Resin Mastic Rooms: 114, 117, 118, 122, 125, 201, 202, 203, 204, 204, 205, 208 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 226, 227, 243, 244, 301, 302, 303, 304, 304, 305, 308 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 326, 327, 343, 344, 401, 402, 403, 404, 404, 405, 408 409, 411, 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425, 426, 427, 435, 444	0.05% Chrysotile (cove base) None Detected (mastic)	~ 2,100 LF	N/A (see Note 3)
M16	**Tar Sealant – Radiators** Black Tar Sealant with Limestone Rooms: 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	8% Chrysotile	63 Units	$13,230.00
M17	**Cinderblock Filler** Off-white Binder with Mica and Limestone Rooms: 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435	Up to 29.1% Chrysotile	22,013 SF	$198,117.00
S03	**Plaster Surfacing – Popcorn & Filler** White Plaster with Vermiculite Rooms: 199, 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 299, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 399, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435, 499	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	9,017 SF	$54,102.00

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
T02	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: Tunnels, 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Up to 2% Chrysotile	443 Fittings	$21,264.00

Notes:

1. Homogeneous Area Number (Not related to building room numbers.)
2. Cost Estimates include asbestos removal costs only; abatement design and management fees and replacement costs are not included. Please refer to Section 7.0 for more details.
3. This material contains less than 1% asbestos and is therefore not subject to the NESHAP. Removal of this material is a Class II Operation under OSHA, which requires 40-hour trained supervisors, trained workers and specific work practices (wet methods, prompt clean-up of debris, HEPA vacuums, etc.

Asbestos Survey and Assessment
Stansbury Hall
Weber State University

2.0 INTRODUCTION

During December 2009, R & R Environmental, Inc., conducted an asbestos survey of the Stansbury Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of both friable and non-friable asbestos-containing materials (ACM) within the facility. Bulk samples were collected from suspect materials and analyzed for asbestos content. Each occurrence of ACM was assessed for damage and friability.

The following accredited and certified inspectors performed the inspection, collected the samples and made assessment:

February 22, 2010

Jon R. Craig
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-2934

Date

This report was reviewed by:

February 22, 2010

David C. Roskelley, MSPH, CIH, CSP
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-1370
AHERA Inspector #5 PSI 65451 I
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

Date

3.0 BUILDING DESCRIPTION

Building Identification

Building Name .....Stansbury Hall
Building Address .....Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1965
Building Type .....Apartments
Building Total Sq. Ft..... ~26,400
Structural System .....Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction..... Concrete
Roof Construction..... Flat, Built-up Tar
Floors Above Grade 4
Floors Below Grade 0

Interior Finishes

Floors .....Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet
Walls ..... Plaster, cinderblock, concrete
Attic.....No
Crawl space .....Yes (Tunnels)

Building Mechanical

Heating Plant..... Boiler
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

4.0 SURVEY PROCEDURES

4.1 Building Survey

All accessible areas of the facility were visually inspected to identify suspect asbestos containing materials (ACM.) All accessible surfaces, structures, and mechanical systems within these areas were examined and all suspected ACM was touched to determine friability.

Suspect ACM was identified and assessed in homogeneous areas. A homogeneous area is defined as a single material, uniform in texture and appearance, installed at one time, and unlikely to consist of more than one type, or formulation, of material. In cases where joint compound and / or tape has been applied to wallboard (gypsum board) and cannot be visually distinguished from the wallboard, it is considered an integral part of the wallboard and in effect becomes one material forming a wall or ceiling "system."

Each homogeneous area was given a unique material identification number. Each ID number begins with a letter: "S" for surfacing materials, "T" for thermal system insulation, or "M" for miscellaneous materials. This letter is followed by a two-digit number, assigned in consecutive order. This number is used to identify the homogeneous area throughout the inspection report.

4.2 Bulk Sample Collection

Bulk samples were collected from all accessible homogeneous areas of suspect ACM for subsequent laboratory analysis to determine actual asbestos content. Sampling was conducted in a manner that minimized damage to the building, did not leave any unsightly marks, and did not create a health hazard for the inspectors.

The number of samples collected from each homogeneous area generally followed the EPA AHERA regulations (40 CFR 763.86). Friable surfacing materials were sampled using the random sampling scheme given in the EPA publication 560 / 5-85-30a, titled "Asbestos in buildings: Simplified Sampling Scheme for Friable Surfacing Materials."" Between three and seven samples were collected from friable surfacing materials, depending on the size of the homogeneous area.

4.3 Bulk Sample Analysis

Bulk samples were analyzed using polarized light microscopy (PLM) and visual estimation in accordance with the EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA-600 / M4-82-020. Samples were analyzed by Dixon Information, Inc., 78 West 2400 South, Salt Lake City, Utah 84115. The laboratory is accredited under the National Institute of Standards and Technology – National voluntary Laboratory Accreditation Program (NIST-NVLAP) for bulk-asbestos sample analysis and is also accredited by the American Industrial Hygiene Association (AIHA).

Federal EPA's NESHAP and AHERA regulations define ACM as material containing greater than 1% asbestos by weight; materials containing less than 1% asbestos are not considered regulated ACM.

Further, the NESHAP regulations state that any sample found to contain less than 10% asbestos but greater than "none detected," by visual estimation, must be assumed to contain greater than 1% asbestos unless confirmed to be less than 1.0% asbestos by point counting analysis. Any samples found to contain asbestos in this concentration range were assumed to contain greater than 1.0% asbestos and are listed in Section 5.8 of this report. All samples that have been point counted are identified as such in the sample result tables.

The laboratories reports can be found in Appendix D of this report.

5.0 SURVEY RESULTS

5.1 Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as being ACM if the laboratory analysis shows the material to contain any detectable asbestos, unless subsequent TEM analysis resulted in less than 0.1% asbestos being detected. Table 1 of the Executive Summary and in Appendix A lists all homogeneous areas that were found to be ACM. Each material is described by type of material, friability and visual appearance.

Friability is defined in accordance with EPA's NESHAP regulations.

> "Friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure and also includes non-friable ACM that may become friable during building demolition.
>
> "Non-friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
>
> "Category I non-friable ACM" are asbestos-containing resilient floor coverings (commonly known as vinyl asbestos tile (VAT), asphalt roofing products, packings, and gaskets.
>
> "Category II non-friable ACM" encompasses all other non-friable ACM.
>
> "Non-friable RACM" is used to denote thermal system insulation that is in good condition but would become friable during renovation or demolition and therefore is "regulated asbestos containing material" (RACM).

5.2 Non-Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as non-ACM if the laboratory analysis shows the material to contain no detectable asbestos. Table 2, located in Appendix A of this report, lists all homogeneous areas that were found to be non-ACM.

5.3 Bulk Sample Analytical Results

Table 3, located in Appendix A of this report, lists all of the bulk samples in order by sample number, that were collected from homogeneous areas of suspect ACM, along with the laboratory analytical results. Each sample was given a unique sample number. There may be more than one sample number for the same homogeneous area of suspect ACM. The homogeneous areas of suspect ACM are identified on this table by their material identification numbers. The sample location listed on this table provides a brief, but specific, description of the location where the sample was collected. This is different

than the homogeneous area location provided on Tables 1 and 2. Table 4 is the same as Table 3 except the entries has been sorted by homogeneous area number.

5.4 Damage and Hazard Assessment

Each homogeneous area of ACM has been assessed for existing damage, accessibility, and potential for future damage, and this information is presented in Table 5, located in Appendix A of this report. This table also lists the substrate present beneath each homogeneous area of ACM.

Each homogeneous area of friable ACM and asbestos-containing building material (ACBM) was classified into one of the following seven categories, as specified in EPA's AHERA regulations (40 CFR 763.88):

(1) Damaged or significantly damaged thermal system insulation ACM.
(2) Damaged friable surfacing ACM.
(3) Significantly damaged friable surfacing ACM.
(4) Damaged or significantly damaged friable miscellaneous ACM.
(5) ACBM with potential for damage.
(6) ACBM with potential for damage.
(7) Any remaining friable ACBM or friable suspected ACBM.

The damage categories are defined as follows:

> "Undamaged" means the material had no visible damage, or extremely minor damage or surface marring (i.e., a room full of floor tile with only two or three small corners chipped off on the tile).
>
> "Damaged" means the material had visible damage evenly distributed over less than 10% of its surface, or localized over less than 25% of its surface.
>
> "Significantly Damaged" means the material had visible damage that is evenly distributed over 10% or more of its surface, or localized over 25% or more if its surface.

Each homogeneous area of ACM was evaluated for accessibility to the building occupants and the general public, assuming the building was fully occupied, using the following assessment categories.

> "Inaccessible" means the material was located in an area that people had no reason to enter and could not access without special measures. One example would be above a solid ceiling.
>
> "Rarely Accessed" identifies a material that was in a location that could be accessed but wasn't unless there was a specific need. An example would be a

pipe tunnel. Another example would be a high ceiling that is out of reach and not subject to any specific disturbance.

"Periodic Access" identifies a material that was in a location that was accessible, was not occupied full time, but was accessed on a routine basis. An example would be a mechanical room or boiler room.

"Continuous Access" identifies a material that was in a location that was occupied full time and was within reach of the occupants, or was frequently subject to direct disturbance. Examples would be exposed floor tile or a normal height ceiling.

5.5 Hazard Ranking

A hazard ranking has been determined for every ACM, in each functional space (room), and is listed in Table 7, Appendix A. The Hazard Rank is derived from the material's current condition and potential for future disturbance.

The DFCM required hazard assessment process used here produces seven hazard Ranks. The rankings of potential hazard range from 7, most hazardous, to 1, least hazardous, and are used to determine abatement priority. The highest ranking is reserved for ACM that is "significantly damaged". Hazard rankings 6 to 4 reflect ACM that is "damaged" (slight damage is the term used in Table 7), with a ranking of 6 indicating a "potential for significant damage", and a ranking of 5 indicating a "potential for damage." Hazard rankings of 3 to 1 are reserved for materials currently in good condition, but with a range of moderate to low in the likelihood for future disturbance.

Note that these seven rankings are different from, and should not be confused with, the seven AHERA categories of damage and potential damage described in Section 5.4, above, and listed in Table 5. This hazard assessment scheme is also completely reversed from the current EPA Management Planner hazard assessment scheme where a hazard rank of 1 is the most hazardous.

5.6 Homogeneous Areas with Special Considerations

None

5.7 Suspect Materials Presumed to be Asbestos-Containing Materials without Laboratory Analysis

None

5.8 Inaccessible Areas

Interstitial spaces between the ceiling tile or plaster finished ceilings and the deck on the first floor. These areas may contain ACM Thermal System Insulation.

5.9 Material(s) assumed to contain >1.0% asbestos without subsequent TEM or Point Count Analysis

None

6.0 RESPONSE ACTION COMMENTS

6.1 EPA Requirements

Asbestos is regulated as a hazardous air pollutant by the Environmental Protection Agency (EPA) under the authority of the Clean Air Act. The asbestos regulations are included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) and referenced as 40 CFR 61, Subpart M. ACMs identified in this report are subject to those regulations. Those regulations, and state and local regulations, should be carefully examined prior to renovation, demolition, cleanup, or any other activity which could disturb the ACMs, to ensure that all activities are in compliance with applicable requirements.

ACM is defined by the EPA, as any material containing greater than one precedent of asbestos. ACMs are categorized as being either friable or non-friable. Friable ACMs are those materials that can be easily crumbled, pulverized, or otherwise broken up using hand or finger pressure when dry, and are materials considered more likely to produce airborne asbestos fibers. Non-friable ACMs are materials that do not meet the above test, and are considered less likely to produce airborne asbestos fibers. Not all ACMs are regulated under NESHAP. Regulated ACM (RACM) means (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of regulated demolition or renovation operations. Regulated demolition and renovation operations are those where the quantity of ACM affected is 260 linear feet or more on pipes, 160 square feet or more on other components, or 35 cubic feet or more in volume. There are certain notification requirements for demolition projects involving less than the above quantities.

Briefly, EPA requires that RACM be removed from facilities scheduled for demolition or renovation before any activity begins that would break up, dislodge, or similarly disturb the materials or preclude access to the materials for subsequent removal. Category I non-friable ACM that is not in poor condition and is not friable does not have to be removed prior to demolition of a facility. **However, these materials are exempt from mandatory removal only during demolition, not renovation. Removal is mandated when renovation activities are expected to disturb these ACMs and render them friable.** Category II non-friable ACM also does not have to be removed prior to demolition if the probability is low that the material will become crumbled, pulverized, or reduced to powder (made friable) during demolition. However, state regulations may require the removal of these materials. Additionally, Category I non-friable ACM that has not become crumbled, pulverized, or reduced to powder during demolition activities may be disposed of as ordinary construction waste.

In any situation where ACM remains in a building, it should be managed under a comprehensive operations and maintenance program (O&M). The procedures and

guidelines described in an O&M program should be followed whenever building maintenance activities may disturb any ACMs present in the building.

6.2 Renovation Options

The mastic is non-friable ACMs. NESHAP regulations require the removal of non-friable ACMs before they are **disturbed and made friable** during renovation activities. Therefore, we recommend that all of these materials be removed and properly disposed of by a licensed asbestos abatement contractor before renovation activities begin **which have the potential of disturbing and making these materials friable.** The removal project must follow the requirements of the OSHA regulation outlined in 29 CFR 1926.1101. While these materials remain in place, a comprehensive asbestos O&M program should be implemented when the building is occupied to reduce human exposure to airborne asbestos fibers.

7.0 COST ESTIMATES

A breakdown of the estimated removal costs by homogeneous area can be found in the Table 6, Appendix A. These cost estimates are provided for use in long-term budgeting and planning only, and do not have a level of accuracy sufficient to be used as a construction design cost estimate. The actual cost of asbestos removal is highly dependent on a number of factors such as the size of the project, the required time frame for removal, the time of year the job is conducted, the regulatory climate at the time, etc., therefore, actual abatement costs could vary significantly from these estimates. Replacement costs have not been included in these figures.

The cost for abatement design and management services is not included in these figures. These additional fees can range from 15% of the estimated abatement costs for large projects to greater than 50% for very small projects. The design and management fees cover the cost of preparing plans and specifications, conducting the bidding process as well as third-party oversight during abatement.

8.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This asbestos survey and assessment was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, asbestos-containing material (ACM) can be present in a structure, but not identified using ordinary investigative procedures.

No asbestos survey can completely eliminate uncertainty regarding the presence of ACM. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of ACM. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all ACM present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Data Tables

Table 1

Asbestos-containing Materials by Homogeneous Area
Stansbury Hall
Weber State University

Homogeneous Area Number	Material Description / Location	Friability	Asbestos Content	Quantity
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Tan with Brown Streaks Rooms: 102, 103, 104, 105, 106, 107, 109, 111, 117, 118, 125, 126	Category 1 Non-Friable	10% Chrysotile (tile) None Detected (mastic)	2,502 SF
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Cream with White and Brown Streaks Rooms: 114, 122	Category 1 Non-Friable	None Detected (tile) > 1% Chrysotile (mastic)	293 SF
M07	**Cove Base and Mastic** 4” Brown Rubber with Limestone; Yellow Resin Mastic Rooms: 114, 117, 118, 122, 125, 201, 202, 203, 204, 204, 205, 208 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 226, 227, 243, 244, 301, 302, 303, 304, 304, 305, 308 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 326, 327, 343, 344, 401, 402, 403, 404, 404, 405, 408 409, 411, 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425, 426, 427, 435, 444	Category 1 Non-Friable	0.05% Chrysotile	~ 2,100 LF (see Note 1)
M14	**Tar Sealant – Radiators** Black Tar Sealant with Limestone Rooms: 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Category 1 Non-Friable	8% Chrysotile	63 Units

Homogeneous Area Number	Material Description / Location	Friability	Asbestos Content	Quantity
M16	**Cinderblock Filler** Off-white Binder with Mica and Limestone Rooms: 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435	Category 1 Non-Friable	< 1% Chrysotile	22,013 SF
S03	**Plaster Surfacing – Popcorn & Filler** White Plaster with Vermiculite; Binder, Plaster, Limestone Rooms: 199, 201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 235, 299, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314 315, 316, 318, 321, 323, 324, 325, 335, 399, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414 415, 416, 418, 421, 423, 424, 425, 435, 499	Friable ACM	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	9,017 SF
T02	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: Tunnels, 113, 114, 122, 123, 202, 203, 204, 205, 206, 208, 209, 211, 212, 213, 214, 215, 216, 217, 218, 221, 222, 223, 224, 225, 302, 303, 304, 305, 306, 308, 309, 311, 312, 313, 314, 315, 316, 317, 318, 321, 322, 323, 324, 325, 402, 403, 404, 405, 406, 408, 409, 411 412, 413, 414, 415, 416, 417, 418, 421, 422, 423, 424, 425	Friable ACM	Up to 2% Chrysotile	443 Fittings

1. According to the Federal Register page 542, Wednesday, January 5, 1994, 40 CFR Part 61, "Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems", when joint compound is applied to wallboard, it becomes an integral part of it, forming a wall system. Composite analysis of the wall system is to be conducted. In this case, the wall system contains less than 1% asbestos and is therefore not subject to the NESHAP. Removal of this material is a Class II Operation under OSHA, which requires 40-hour trained supervisors, trained workers and specific work practices (wet methods, prompt clean-up of debris, HEPA vacuums, etc.

Table 2

Homogeneous Areas That Do Not Contain Asbestos
Stansbury Hall
Weber State University

Homogeneous Area Number	Material Description	Material Location
M03	**Rolled Vinyl Flooring – Exposed** Tan and Beige Speckle Pattern	205, 209, 217, 222, 228, 232, 238, 242, 305, 309, 317, 322, 328, 332, 338, 342, 405, 409, 417, 422, 428, 332, 338, 342
M04	**Rolled Vinyl Flooring – Under Glued Carpet** Tan over Canvas	201, 202, 203, 204, 206, 208, 211, 212, 213, 214, 215, 216, 218, 221, 223, 224, 225, 226, 227, 233, 234, 236, 237, 243, 244, 301, 302, 303, 304, 306, 308, 311, 312, 313, 314, 315, 316, 318, 321, 323, 324, 325, 326, 327, 333, 334, 336, 337, 343, 344, 401, 402, 403, 404, 406, 408, 411, 412, 413, 414, 415, 416, 418, 421, 423, 424, 425, 426, 427, 428, 433, 434, 436, 437, 443, 444
M05	**Rolled Vinyl Flooring – Exposed** Gray, Tan, White Pebble Pattern	108
M06	**Rolled Vinyl Flooring – Exposed** Blue, Beige, Tan Tile Mosaic	112
M08	**Cove Base and Mastic** 3” Light Gray Rubber with Limestone; Yellow Resin Mastic	103, 126
M09	**Cove Base and Mastic** 4” Black Rubber with Limestone; White Resin Mastic with Limestone	108
M10	**Cove Base and Mastic** 4” Tan Rubber with Limestone; White Resin Mastic with Limestone	105
M11	**Ceiling Tile and Mastic** 12” White Ceiling Tile Large Crevasses, Small Irregular Holes	101, 117, 118, 125
M12	**Sink Undercoat** Black Binder with Limestone	108

Homogeneous Area Number	Material Description	Material Location
M13	**Vibration Damper** Cotton Fabric with Gray Binder	124
M15	**Plaster** White Gypsum Plaster, Off-white Plaster with Sand and Perlite	103, 112, 113, 114, 115 116, 119, 121, 122, 123, 126
S01	**Plaster Surfacing – Peaked** White Gypsum Plaster with fine Mica	205, 209, 217, 222, 305, 309, 317, 322, 405, 409, 417, 422
S02	**Plaster Surfacing – Troweled** White Gypsum Plaster with fine Mica	102, 104, 105, 106, 107, 108, 109 111
T01	**Thermal System Insulation – Boiler Flue** Off White Plaster with Mineral Wool	124

Table 3

Bulk Sample Analytical Results by Sample Number
Stansbury Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-01	M01	Vinyl Floor Tile & Mastic	118	10% Chrysotile (tile) None Detected (mastic)
WSUSH-02	M02	Vinyl Floor Tile & Mastic	122	None Detected (tile) > 1% Chrysotile (mastic)
WSUSH-03	M03	Rolled Vinyl Flooring & Mastic	322	None Detected
WSUSH-04	M03	Rolled Vinyl Flooring & Mastic	405	None Detected
WSUSH-05	M04	Rolled Vinyl Flooring & Mastic	321	None Detected
WSUSH-06	M04	Rolled Vinyl Flooring & Mastic	406	None Detected
WSUSH-07	M05	Rolled Vinyl Flooring & Mastic	108	None Detected
WSUSH-08	M06	Rolled Vinyl Flooring & Mastic	112	None Detected
WSUSH-09	M07	Cove Base & Mastic	443	None Detected (tile) None Detected (mastic) > 1% Chrysotile (binder)
WSUSH-10	M07	Cove Base & Mastic	112	None Detected
WSUSH-11	M08	Cove Base & Mastic	405	None Detected
WSUSH-12	M09	Cove Base & Mastic	126	None Detected
WSUSH-13	M10	Cove Base & Mastic	105	None Detected
WSUSH-14	M11	Ceiling Tile & Mastic	101	None Detected
WSUSH-15	M12	Sink Undercoat	108	None Detected
WSUSH-16	M13	Vibration Damper	124	None Detected
WSUSH-17	M15	Plaster	112	None Detected
WSUSH-18	M15	Plaster	121	None Detected
WSUSH-19	S01	Plaster Surfacing - Trowel	107	None Detected
WSUSH-20	S01	Plaster Surfacing - Trowel	109	None Detected
WSUSH-21	S01	Plaster Surfacing - Trowel	102	None Detected
WSUSH-22	S02	Plaster Surfacing - Peaked	209	None Detected
WSUSH-23	S02	Plaster Surfacing - Peaked	322	None Detected
WSUSH-24	S02	Plaster Surfacing - Peaked	405	None Detected
WSUSH-25	S03	Plaster Surfacing - Popcorn	199	3% Chrysotile
WSUSH-26	S03	Plaster Surfacing - Popcorn	211	3% Chrysotile
WSUSH-27	S03	Plaster Surfacing - Popcorn	235	3% Chrysotile
WSUSH-28	S03	Plaster Surfacing - Popcorn	335	3% Chrysotile
WSUSH-29	S03	Plaster Surfacing - Popcorn	403	3% Chrysotile
WSUSH-30	T01	Thermals System Insulation – Boiler Flue	122	None Detected
WSUSH-31	T02	Thermal System Insulation – Mudded Fittings	217	2% Chrysotile
WSUSH-32	T02	Thermal System Insulation – Mudded Fittings	222	1.2% Chrysotile
WSUSH-33	T02	Thermal System Insulation – Mudded Fittings	309	1.5% Chrysotile
WSUSH-34	T02	Thermal System Insulation – Mudded Fittings	405	1.5% Chrysotile
WSUSH-35	M14	Tar Sealant - Radiator	405	8% Chrysotile
WSUSH-36	M16	Cinderblock Filler	443	1.2% Chrysotile (PLM) 0.6% Chrysotile (Point Ct.)
WSUSH-37	M16	Cinderblock Filler	406	1.2% Chrysotile

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-37T	M16	Cove Base, Mastic, Cinderblock Filler	406	0.05% Chrysotile (covebase); None Detected (mastic); Up to 29.1% Chrysotile (filler)
WSUSH-38	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-39	M16	Cinderblock Filler	124	1.2% Chrysotile
WSUSH-41	M16	Cinderblock Filler	122	1.2% Chrysotile
WSUSH-42	M16	Cinderblock Filler	123	1.2% Chrysotile
WSUSH-43	M16	Cinderblock Filler	102	1.2% Chrysotile
WSUSH-44	M16	Cinderblock Filler	114	1.2% Chrysotile
WSUSH-45	M16	Cinderblock Filler	201	1.2% Chrysotile
WSUSH-46	M16	Cinderblock Filler	235	1.2% Chrysotile
WSUSH-47	M16	Cinderblock Filler	306	1.2% Chrysotile
WSUSH-48	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-49	M16	Cinderblock Filler	411	1.2% Chrysotile
WSUSH-50	M16	Cinderblock Filler	406	1.2% Chrysotile
WSUSH-51	M16	Concrete Filler	403	1.2% Chrysotile

Table 4

Bulk Sample Analytical Results by Homogeneous Area Number
Stansbury Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-01	M01	Vinyl Floor Tile & Mastic	118	10% Chrysotile (tile) None Detected (mastic)
WSUSH-02	M02	Vinyl Floor Tile & Mastic	122	None Detected (tile) > 1% Chrysotile (mastic)
WSUSH-03	M03	Rolled Vinyl Flooring & Mastic	322	None Detected
WSUSH-04	M03	Rolled Vinyl Flooring & Mastic	405	None Detected
WSUSH-05	M04	Rolled Vinyl Flooring & Mastic	321	None Detected
WSUSH-06	M04	Rolled Vinyl Flooring & Mastic	406	None Detected
WSUSH-07	M05	Rolled Vinyl Flooring & Mastic	108	None Detected
WSUSH-08	M06	Rolled Vinyl Flooring & Mastic	112	None Detected
WSUSH-09	M07	Cove Base & Mastic	443	None Detected (tile) None Detected (mastic) > 1% Chrysotile (binder)
WSUSH-10	M07	Cove Base & Mastic	112	None Detected
WSUSH-11	M08	Cove Base & Mastic	405	None Detected
WSUSH-12	M09	Cove Base & Mastic	126	None Detected
WSUSH-13	M10	Cove Base & Mastic	105	None Detected
WSUSH-14	M11	Ceiling Tile & Mastic	101	None Detected
WSUSH-15	M12	Sink Undercoat	108	None Detected
WSUSH-16	M13	Vibration Damper	124	None Detected
WSUSH-35	M14	Tar Sealant - Radiator	405	8% Chrysotile
WSUSH-17	M15	Plaster	112	None Detected
WSUSH-18	M15	Plaster	121	None Detected
WSUSH-36	M16	Cinderblock Filler	443	1.2% Chrysotile (PLM) 0.6% Chrysotile (Point Ct.)
WSUSH-37	M16	Cinderblock Filler	406	1.2% Chrysotile
WSUSH-37T	M16	Cove Base, Mastic, Cinderblock Filler	406	0.05% Chrysotile (covebase); None Detected (mastic); Up to 29.1% Chrysotile (filler)
WSUSH-38	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-39	M16	Cinderblock Filler	124	1.2% Chrysotile
WSUSH-41	M16	Cinderblock Filler	122	1.2% Chrysotile
WSUSH-42	M16	Cinderblock Filler	123	1.2% Chrysotile
WSUSH-43	M16	Cinderblock Filler	102	1.2% Chrysotile
WSUSH-44	M16	Cinderblock Filler	114	1.2% Chrysotile
WSUSH-45	M16	Cinderblock Filler	201	1.2% Chrysotile
WSUSH-46	M16	Cinderblock Filler	235	1.2% Chrysotile
WSUSH-47	M16	Cinderblock Filler	306	1.2% Chrysotile
WSUSH-48	M16	Cinderblock Filler	318	1.2% Chrysotile
WSUSH-49	M16	Cinderblock Filler	411	1.2% Chrysotile
WSUSH-50	M16	Cinderblock Filler	406	1.2% Chrysotile
WSUSH-51	M16	Concrete Filler	403	1.2% Chrysotile
WSUSH-19	S01	Plaster Surfacing - Trowel	107	None Detected
WSUSH-20	S01	Plaster Surfacing - Trowel	109	None Detected

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUSH-21	S01	Plaster Surfacing - Trowel	102	None Detected
WSUSH-22	S02	Plaster Surfacing - Peaked	209	None Detected
WSUSH-23	S02	Plaster Surfacing - Peaked	322	None Detected
WSUSH-24	S02	Plaster Surfacing - Peaked	405	None Detected
WSUSH-25	S03	Plaster Surfacing - Popcorn	199	3% Chrysotile
WSUSH-26	S03	Plaster Surfacing - Popcorn	211	3% Chrysotile
WSUSH-27	S03	Plaster Surfacing - Popcorn	235	3% Chrysotile
WSUSH-28	S03	Plaster Surfacing - Popcorn	335	3% Chrysotile
WSUSH-29	S03	Plaster Surfacing - Popcorn	403	3% Chrysotile
WSUSH-30	T01	Thermals System Insulation – Boiler Flue	122	None Detected
WSUSH-31	T02	Thermal System Insulation – Mudded Fittings	217	2% Chrysotile
WSUSH-32	T02	Thermal System Insulation – Mudded Fittings	222	1.2% Chrysotile
WSUSH-33	T02	Thermal System Insulation – Mudded Fittings	309	1.5% Chrysotile
WSUSH-34	T02	Thermal System Insulation – Mudded Fittings	405	1.5% Chrysotile

Table 5

Damage and Hazard Assessment by Homogeneous Area
Stansbury Hall
Weber State University

Area Number	Material Type	Substrate	Assessment Category	Damage	Accessibility	Disturbance Potential
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Rarely Accessed	Low
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Continuous Access	Low
M14	**Tar Sealant – Radiators**	Concrete	X	Undamaged	Rarely Accessed	Low
M16	**Cinderblock Filler**	Cinderblock	X	Undamaged	Continuous Access	Moderate
S03	**Plaster Surfacing – Popcorn**	Concrete	5	Undamaged	Continuous Access	Moderate
T02	**Thermal System Insulation – Mudded Fitting**	Metal	5	Damaged	Rarely Accessed	Low

Note: Assessment Categories:
1-Damaged or significantly damaged thermal system insulation ACM
2-Damaged friable surfacing ACM
3-Significantly damaged friable surfacing ACM
4-Damaged or significantly damaged friable miscellaneous ACM
5-ACM with potential for damage
6-ACM with potential for significant damage
7-Any remaining friable ACM or friable suspect ACM
X-Not applicable (material is non-friable surfacing or miscellaneous material)

Table 6

Estimated Abatement Costs by Homogeneous Area
Stansbury Hall
Weber State University

Homogeneous Area Number	Material	Quantity	Average Unit Cost	Abatement Cost
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	2,502 SF	$3.82	$9,563.70
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	293 SF	$4.35	$1,274.55
M07	**Cove Base and Mastic**	~ 2,100 LF	N/A	N/A (see Note 2)
M14	**Tar Sealant – Radiators**	63 Units	$210.00	$13,230.00
M16	**Cinderblock Filler**	22,013 SF	$9.00	$198,117.00
S03	**Plaster Surfacing – Popcorn & Filler**	9,017 SF	$6.00	$54,102.00
T02	**Thermal System Insulation – Mudded Fitting**	443 Fittings	$48.00	$21,264.00
TOTAL ESTIMATED ABATEMENT COST				**$297,551.25**

Notes:
1. Estimated abatement costs do not include replacement costs or costs for a consultant to manage the abatement (see section 7.0).
2. According to the Federal Register page 542, Wednesday, January 5, 1994, 40 CFR Part 61, "Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems", when joint compound is applied to wallboard, it becomes an integral part of it, forming a wall system. Composite analysis of the wall system is to be conducted. In this case, the wall system contains less than 1% asbestos and is therefore not subject to the NESHAP. Removal of this material is a Class II Operation under OSHA, which requires 40-hour trained supervisors, trained workers and specific work practices (wet methods, prompt clean-up of debris, HEPA vacuums, etc.

Table 7

Abatement Cost and Hazard Rank by Functional Space
Stansbury Hall
Weber State University

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
102	M01	Vinyl Floor Tile (under glued carpet)	129 SF	496.65	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
103	M01	Vinyl Floor Tile (under glued carpet)	34 SF	130.90	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
104	M01	Vinyl Floor Tile (under glued carpet)	134 SF	515.90	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
105	M01	Vinyl Floor Tile (under glued carpet)	6 SF	23.10	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
106	M01	Vinyl Floor Tile (under glued carpet)	6 SF	23.10	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
107	M01	Vinyl Floor Tile (under glued carpet)	143 SF	550.55	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
109	M01	Vinyl Floor Tile (under glued carpet)	137 SF	527.45	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
111	M01	Vinyl Floor Tile (under glued carpet)	55 SF	211.75	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
112	M02	Vinyl Floor Tile & Mastic	143 SF	622.05	None Detected (tile); > 1% Chrysotile (mastic)	Undamaged	Low	1
113	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
113	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
114	M02	Vinyl Floor Tile & Mastic	150 SF	652.50	None Detected (tile); > 1% Chrysotile (mastic)	Undamaged	Low	1
114	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
114	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
117	M01	Vinyl Floor Tile (under glued carpet)	782 SF	3,010.70	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
118	M01	Vinyl Floor Tile (under glued carpet)	882 SF	3,395.70	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
122	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
122	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
123	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
123	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
125	M01	Vinyl Floor Tile (under glued carpet)	125 SF	481.25	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
126	M01	Vinyl Floor Tile	69 SF	196.65	10% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
199	S03	Plaster Surfacing - Popcorn & Filler	99 SF	594.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
201	S03	Plaster Surfacing - Popcorn & Filler	109 SF	654.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
202	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
202	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
202	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
203	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
203	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
203	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
204	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
204	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
204	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
205	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
205	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
206	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
206	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
206	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
208	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
208	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
208	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
209	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
209	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
211	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
211	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
211	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
212	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
212	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
212	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
213	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
213	S03	Plaster Surfacing - Popcorn & Filler	169 SF	1,014.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
213	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
214	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
215	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
215	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
215	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
216	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
216	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
216	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
217	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
217	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
218	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
218	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
218	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
221	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
221	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
221	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
222	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
222	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
223	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
223	S03	Plaster Surfacing - Popcorn & Filler	161 SF	966.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
223	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
224	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
224	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
224	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
225	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
225	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
225	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
235	S03	Plaster Surfacing - Popcorn & Filler	102 SF	612.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Damaged	Moderate	3
299	S03	Plaster Surfacing - Popcorn & Filler	99 SF	594.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
301	S03	Plaster Surfacing - Popcorn & Filler	112 SF	672.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
302	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
302	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
302	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
303	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
303	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
303	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
304	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
304	S03	Plaster Surfacing - Popcorn & Filler	165 SF	990.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
304	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
305	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
305	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
306	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
306	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
306	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
308	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
308	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
308	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
309	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
309	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
311	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
311	S03	Plaster Surfacing - Popcorn & Filler	165 SF	990.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
311	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
312	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
312	S03	Plaster Surfacing - Popcorn & Filler	170 SF	1,020.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
312	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
313	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
313	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
313	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
314	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
314	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
314	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
315	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
315	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
315	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
316	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
316	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
316	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
317	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
317	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
318	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
318	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
318	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
321	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
321	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
321	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
322	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
322	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
323	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
323	S03	Plaster Surfacing - Popcorn & Filler	162 SF	972.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
323	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
324	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
324	S03	Plaster Surfacing - Popcorn & Filler	165 SF	990.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
324	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
325	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
325	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
325	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
335	S03	Plaster Surfacing - Popcorn & Filler	101 SF	606.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Damaged	Moderate	3
399	S03	Plaster Surfacing - Popcorn & Filler	103 SF	618.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
401	S03	Plaster Surfacing - Popcorn & Filler	111 SF	666.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
402	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
402	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
402	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
403	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
403	S03	Plaster Surfacing - Popcorn & Filler	166 SF	996.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
403	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
404	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
404	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
404	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
405	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
405	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
406	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
406	S03	Plaster Surfacing - Popcorn & Filler	171 SF	1,026.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
406	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
408	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
408	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
408	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
409	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
409	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
411	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
411	S03	Plaster Surfacing - Popcorn & Filler	162 SF	972.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3

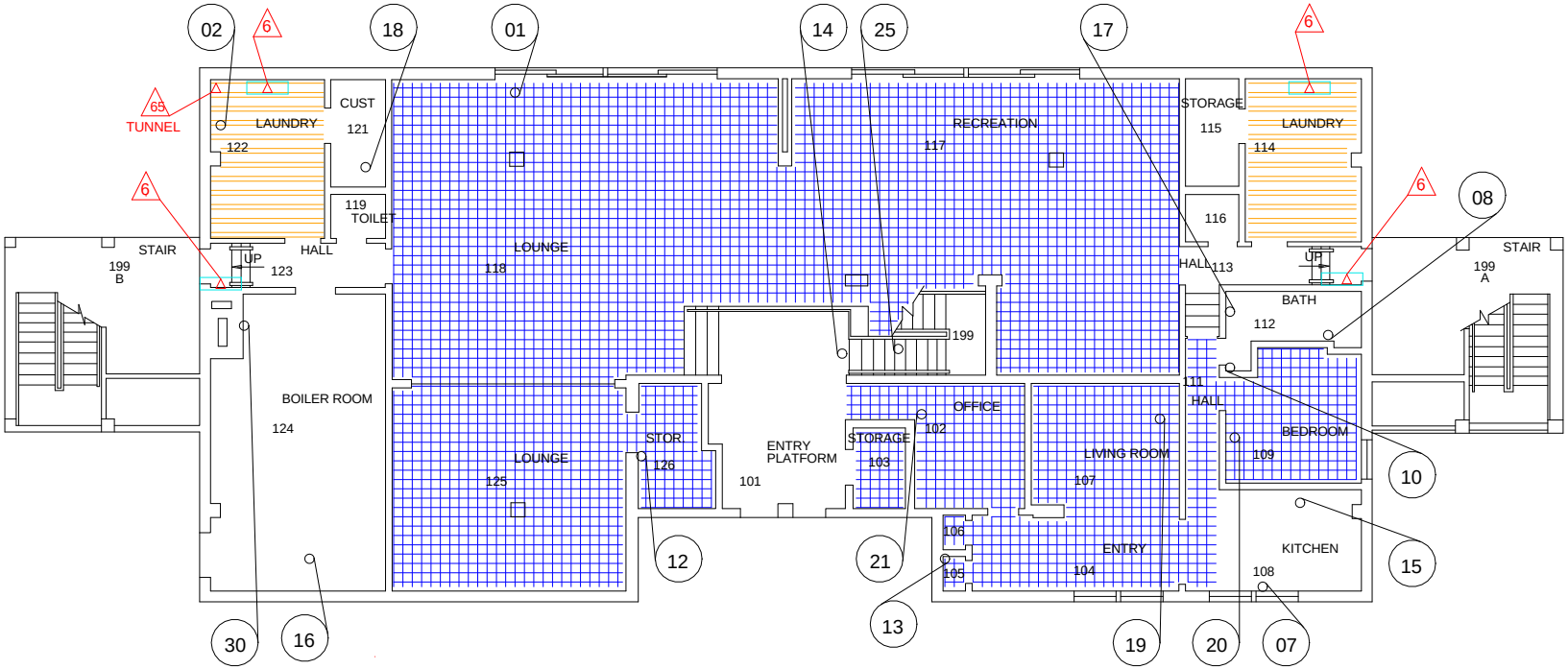
Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
411	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
412	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
412	S03	Plaster Surfacing - Popcorn & Filler	170 SF	1,020.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
412	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
413	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
413	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
413	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
414	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
414	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
414	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
415	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
415	S03	Plaster Surfacing - Popcorn & Filler	162 SF	972.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
415	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
416	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
416	S03	Plaster Surfacing - Popcorn & Filler	163 SF	978.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
416	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
417	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
417	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
418	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
418	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
418	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
421	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
421	S03	Plaster Surfacing - Popcorn & Filler	168 SF	1,008.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
421	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
422	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
422	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
423	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
423	S03	Plaster Surfacing - Popcorn & Filler	160 SF	960.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
423	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
424	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount	Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
424	S03	Plaster Surfacing - Popcorn & Filler	164 SF	984.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
424	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
425	M14	Tar Sealant - Radiator	1 U	210.00	8% Chrysotile	Undamaged	Low	1
425	S03	Plaster Surfacing - Popcorn & Filler	167 SF	1,002.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
425	T02	Thermal System Insulation - Mudded Fitting	6 MF	288.00	Up to 2% Chrysotile	Undamaged	Low	1
435	S03	Plaster Surfacing - Popcorn & Filler	101 SF	606.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Damaged	Moderate	3
499	S03	Plaster Surfacing - Popcorn & Filler	96 SF	576.00	3% Chrysotile (popcorn); 1.2% Chrysotile (filler)	Undamaged	Moderate	3
Tunnels	T02	Thermal System Insulation - Mudded Fitting	65 MF	3,120.00	Up to 2% Chrysotile	Damaged	Low	2
Cinderblock Walls Throughout	M16	Cinderblock Filler	22,013 SF	198,117.00	Up to 29.1% Chrysotile	Undamaged	Moderate	3

Note: SF = Square Feet
LF = Linear Feet
MF = Mudded Fittings
U = Units

Appendix B

Building Floor Plans



= VINYL FLOOR TILE

= MASTIC (UNDER VINYL FLOOR TILE)

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

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STANSBURY HALL

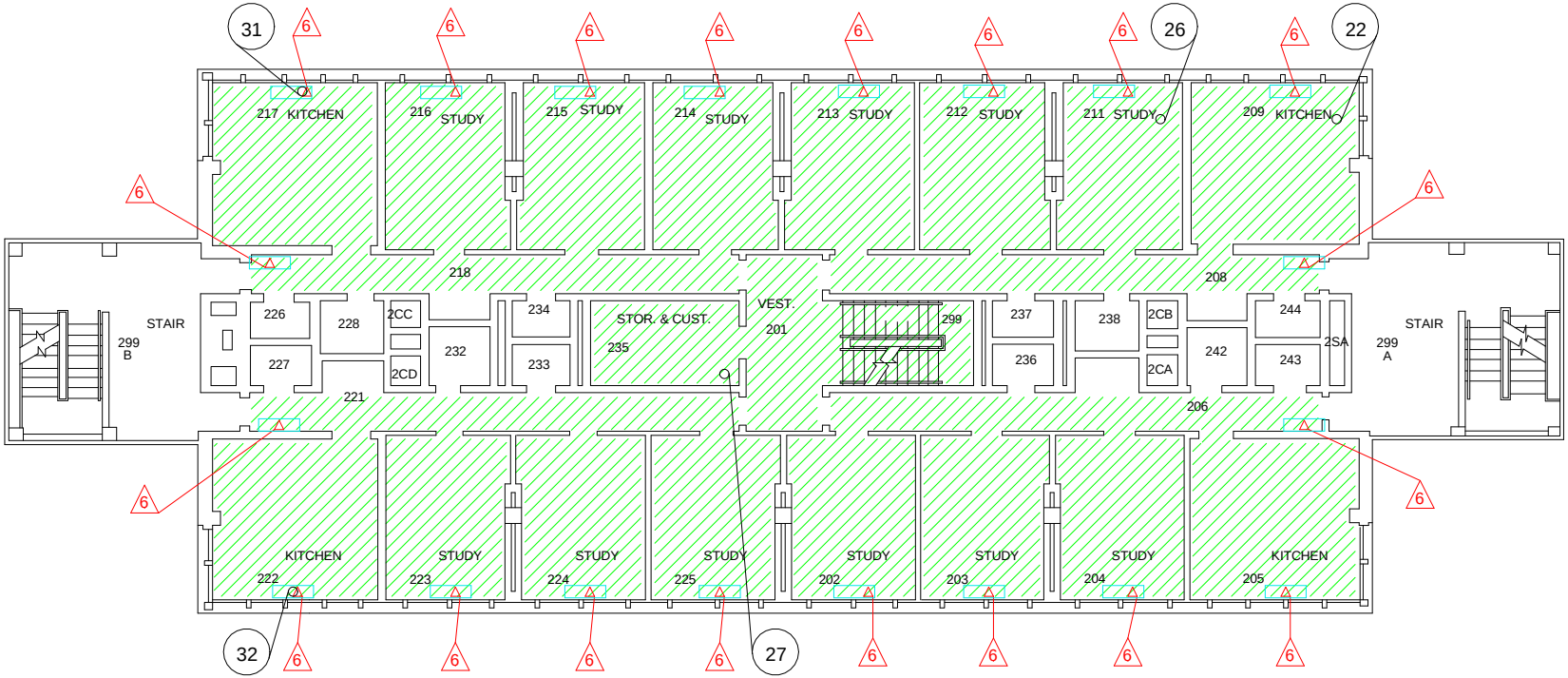
FIRST FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
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(801) 352-2380 | Office (801) 352-2381 | Fax

STANSBURY HALL

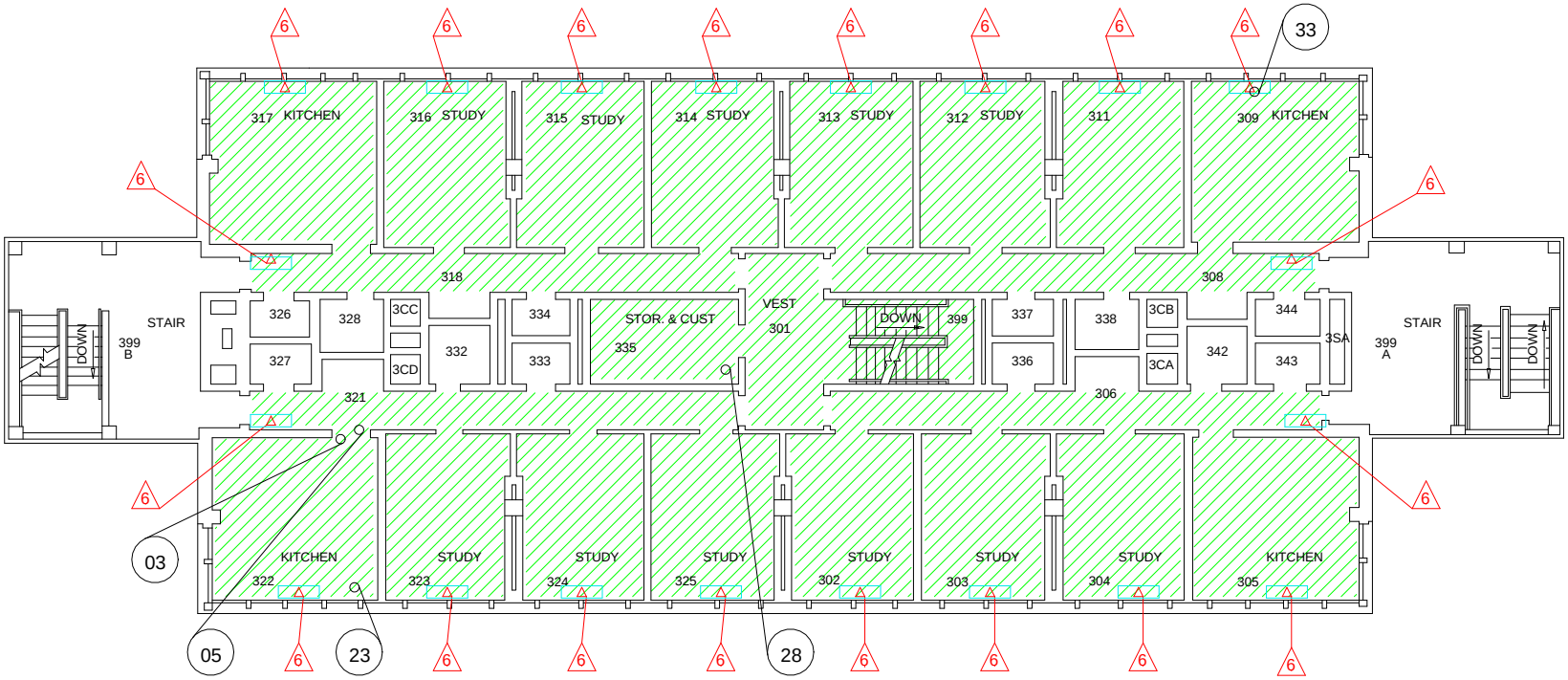
SECOND FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite 63 Sandy, Utah 84070
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STANSBURY HALL

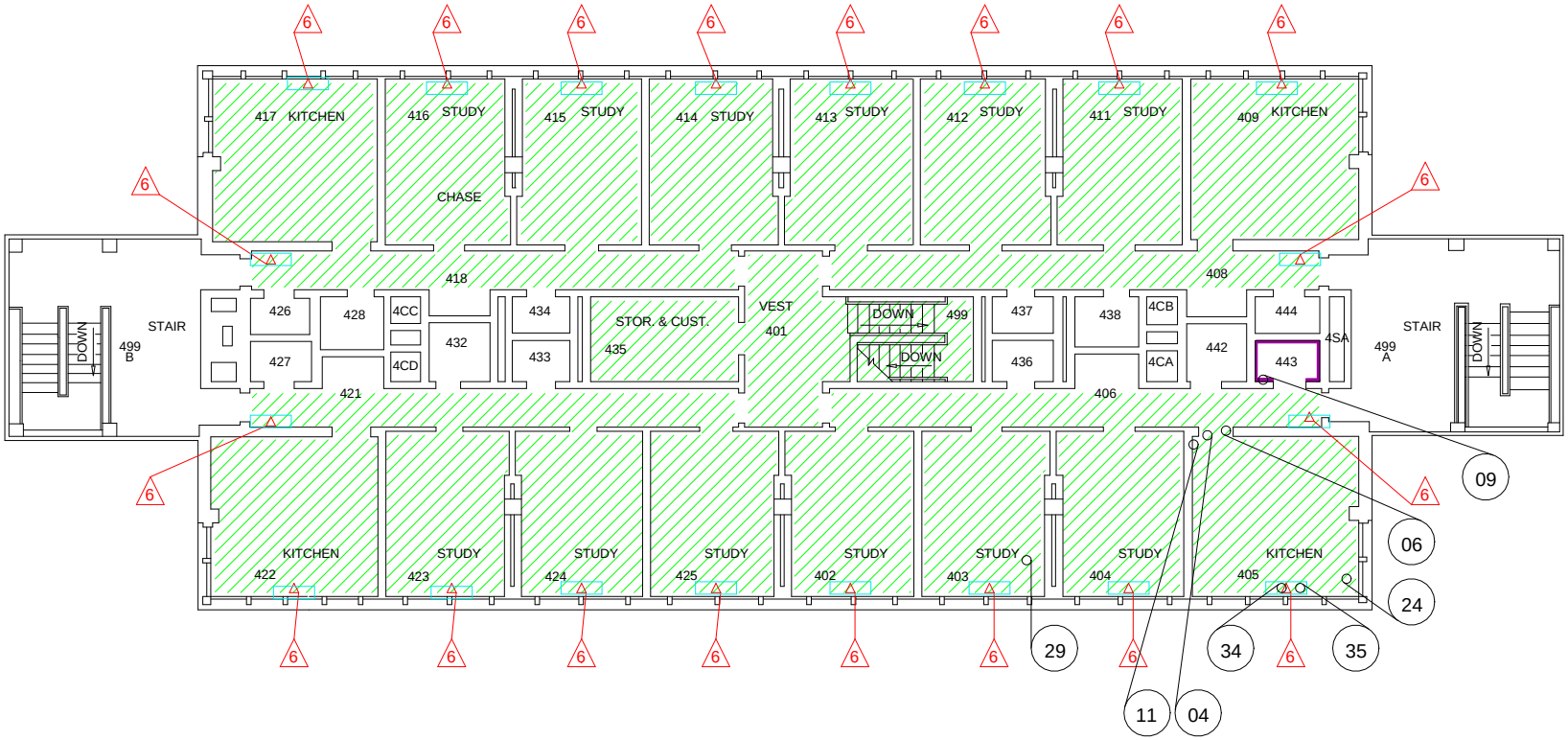
THIRD FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300



= COVE BASE BINDER

= PLASTER SURFACING - POPCORN

= TAR SEALANT - RADIATOR

= THERMAL SYSTEM INSULATION FITTINGS IN AREA

= SAMPLE NUMBER AND LOCATION

R & R ENVIRONMENTAL, INC.
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STANSBURY HALL

FOURTH FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
CAMPUS HOUSING
OGDEN, UTAH

JANUARY 12, 2009

DFCM PROJECT #09030300

Appendix C

Photograph Log

Photograph Log
Stansbury Hall
Weber State University

1. Exterior West elevation.

2. Vinyl Floor Tile contains asbestos. Homogeneous Area M01

3. Mastic contains asbestos. Homogeneous Area M02

4. Cove Base contains asbestos. Homogeneous Area M07

5. Tar Sealant - Radiator contains asbestos. Homogeneous Area M14

6. Cinderblock Filler contains asbestos. Homogeneous Area M16

7. Plaster Surfacing - Popcorn & Filler contains asbestos. Homogeneous Area S03

8. Thermal System Insulation – Mudded Fittings contains asbestos. Homogeneous Area T02

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 4

R & R Environmental, Inc.
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(801) 352-2380 • Fax: (801) 352-2381

PROJECT NO:		
DESIGNED BY:	SCALE:	REVIEWED BY:
DRAWN BY:	DATE:	FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

STANSBURY HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

PHOTO 5

PHOTO 6

PHOTO 7

PHOTO 8

R & R Environmental, Inc.
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PROJECT NO:

DESIGNED BY: SCALE: REVIEWED BY:

DRAWN BY: DATE: FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

STANSBURY HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

Appendix D

Laboratory Analytical Reports

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

December 21, 2009

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 87436, Lab # RR25271 - RR25305
Received December 10, 2009
Test report
DFCM-WSU-Stansbury Hall
Sampled by Jon Craig

Dear Mr. Roskelley:

Samples RR25271 through RR25305 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR25271, Field WSUSH-01 9" VFT #1, 118
This sample contains three types of material: The first type is yellow resin mastic; the second type is **10% chrysotile asbestos** in tan plastic and limestone tile; the third type is black tar mastic. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is 97% of the sample. The third type is 2% of the sample.

Lab RR25272, Field WSUSH-02 12" VFT #1, 122
This is a tan plastic and limestone tile. **Asbestos is none detected.**

Note: The black tar mastic contains **greater than 1% chrysotile asbestos.**

The tile is 99% of the sample. The black tar mastic is 1% of the sample.

78 WEST 2400 SOUTH • SOUTH SALT LAKE, UTAH 84115-3013
PHONE 801-486-0800 • FAX 801-486-0849 • RES. 801-571-7695

Lab RR25273, Field WSUSH-03 RVF #1, 322
This sample has a top layer of white and tan plastic and limestone and a bottom layer of 20% plant fiber, 5% synthetic fiber, 5% fiberglass, and 8% wollastonite in gray binder with yellow resin mastic. **Asbestos is none detected.**

The top layer is 65% of the sample. The bottom layer is 35% of the sample.

Lab RR25274, Field WSUSH-04 RVF #1, 405
This sample has a top layer of tan and white plastic and limestone and a bottom layer of 20% plant fiber, 5% synthetic fiber, 5% fiberglass, and 8% wollastonite in gray binder with yellow resin mastic. **Asbestos is none detected.**

The top layer is 65% of the sample. The bottom layer is 35% of the sample.

Lab RR25275, Field WSUSH-05 RVF #2, 321
This sample contains four types of material: The first type is 5% plant fiber in tan plastic and limestone; the second type is cross-woven plant fiber; the third type is 60% organic fiber in black tar felt; the fourth type is yellow and tan resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 55% of the sample. The second type is 10% of the sample. The third type is 30% of the sample. The fourth type is 5% of the sample.

Lab RR25276, Field WSUSH-06 RVF #2, 406
This sample contains four types of material: The first type is 5% plant fiber in tan plastic and limestone; the second type is cross-woven plant fiber; the third type is 60% organic fiber in black tar felt; the fourth type is tan and yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 55% of the sample. The second type is 10% of the sample. The third type is 30% of the sample. The fourth type is 5% of the sample.

Lab RR25277, Field WSUSH-07 RVF #3, 108
This sample has a top layer of tan plastic and limestone and a bottom layer of 20% plant fiber, 5% synthetic fiber, 5% fiberglass, and 8% wollastonite in gray binder. **Asbestos is none detected.**

The top layer is 65% of the sample. The bottom layer is 35% of the sample.

Lab RR25278, Field WSUSH-08 RVF #4, 112
This sample has a top layer of gray, blue and off-white plastic, a middle layer of white foam plastic, and a bottom layer of 20% plant fiber, 5% synthetic fiber, and 1% fiberglass in gray binder. **Asbestos is none detected.**

The top layer is 25% of the sample. The middle layer is 25% of the sample. The bottom layer is 50% of the sample.

Lab RR25279, Field WSUSH-09 Cove Base #1, 443
This sample contains four types of material: The first type is brown rubber and limestone cove base; the second type is yellow resin mastic; the third type is white paint; the fourth type is **greater than 1% chrysotile asbestos** in green binder with mica. This sample is non-homogeneous.

The first type is greater than 3% of the sample. The second type is greater than 95% of the sample. The third type is less than 1% of the sample. The fourth type is less than 1% of the sample.

The analysis sensitivity is limited in the third and fourth material type due to small sample.

Lab RR25280, Field WSUSH-10 Cove Base #1, 112
This sample contains two types of material: The first type is brown rubber and limestone cove base; the second type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25281, Field WSUSH-11 Cove Base #2, 405
This sample contains two types of material: The first type is black rubber and limestone cove base; the second type is white resin mastic with limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25282, Field WSUSH-12 Cove Base #2, 126
This sample contains two types of material: The first type is brown rubber and limestone cove base; the second type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 99% of the sample. The second type is 1% of the sample.

Lab RR25283, Field WSUSH-13 Cove Base #4, 105
This sample contains two types of material: The first type is tan rubber and limestone cove base; the second type is white resin mastic with limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 97% of the sample. The second type is 3% of the sample.

Lab RR25284, Field WSUSH-14 12" CT #1, 101
This sample contains two types of material: The first type is 60% mineral wool and 5% plant fiber in white resin binder; the second type is brown resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 95% of the sample. The second type is 5% of the sample.

Lab RR25285, Field WSUSH-15 Sink Undercoat, 108
This is black binder with limestone. **Asbestos is none detected.**

Lab RR25286, Field WSUSH-16 Vibration Damper, 124
This is 90% cotton fabric with gray binder and particulate. **Asbestos is none detected.**

Lab RR25287, Field WSUSH-17 Plaster, 112
This sample contains two types of material: The first type is white gypsum plaster; the second type is white plaster with sand and perlite and a trace of organic fiber. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 90% of the sample. The second type is 10% of the sample.

The analysis sensitivity is limited in the second material type due to small sample.

Lab RR25288, Field WSUSH-18 Plaster, 121
This sample contains three types of material: The first type is off-white paint; the second type is white gypsum plaster; the third type is sand and perlite in off-white plaster. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 50% of the sample. The third type is 45% of the sample.

Note: Small sample size.

Lab RR25289, Field WSUSH-19 Plaster Surfacing-TR, 107
This sample contains two types of material: The first type is white and off-white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 50% of the sample. The second type is 50% of the sample.

Lab RR25290, Field WSUSH-20 Plaster Surfacing-TR, 109
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 50% of the sample. The second type is 50% of the sample.

Lab RR25291, Field WSUSH-21 Plaster Surfacing-TR, 102
This sample contains two types of material: The first type is white and off-white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 60% of the sample. The second type is 40% of the sample.

Lab RR25292, Field WSUSH-22 Plaster Surfacing-PK, 209
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR25293, Field WSUSH-23 Plaster Surfacing-PK, 322
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25294, Field WSUSH-24 Plaster Surfacing-PK, 405
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with fine mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25295, Field WSUSH-25 Plaster Surfacing-Popcorn, 199
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25296, Field WSUSH-26 Plaster Surfacing-Popcorn, 211
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25297, Field WSUSH-27 Plaster Surfacing-Popcorn, 235
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25298, Field WSUSH-28 Plaster Surfacing-Popcorn, 335
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25299, Field WSUSH-29 Plaster Surfacing-Popcorn, 403
This sample contains two types of material: The first type is white paint; the second type is **3% chrysotile asbestos** in white plaster with vermiculite. This sample is non-homogeneous.

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR25300, Field WSUSH-30 TSI-Boiler Flue, 122
This is 20% mineral wool in off-white plaster. This sample is non-homogeneous. **Asbestos is none detected.**

Lab RR25301, Field WSUSH-31 TSI-Mudded Sitting, 217
This is **2% chrysotile asbestos** and 20% mineral wool in gray plaster. This sample is non-homogeneous.

Lab RR25302, Field WSUSH-32 TSI-Mudded Fitting, 222
This is **1.2% chrysotile asbestos** and 20% mineral wool in off-white plaster. This sample is non-homogeneous.

Lab RR25303, Field WSUSH-33 TSI-Mudded Fitting, 309
This is **1.5% chrysotile asbestos** and 20% mineral wool in off-white plaster. This sample is non-homogeneous.

Lab RR25304, Field WSUSH-34 TSI-Mudded Fitting, 405
This is **1.5% chrysotile asbestos** and 20% mineral wool in off-white plaster. This sample is non-homogeneous.

Lab RR25305, Field WSUSH-35 Radiator Tar Sealant, 405
This is **8% chrysotile asbestos** in black tar sealant with limestone.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Steve H. Dixon _____ Date Analyzed: December 19, 2009

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Bulk Analytical Request Form

Page 1 of 3

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM - WSU - Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: RHR | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: RHR | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-01	9" VFT #1, 118		25271
-02	12" VFT #1, 122		25272
-03	RVF #1, 322		25273
-04	RVF #1, 405		25274
-05	RVF #2, 321		25275
-06	RVF #2, 406		25276
-07	RVF #3, 100		25277
-08	RVF #4, 112		25278
-09	Cove Base #1, 443		25279
-10	Cove Base #1, 112		25280
-11	Cove Base #2, 405		25281
-12	Cove Base #2, 126		25282
-13	Cove Base #4, 105		25283
-14	12" CT #1, 101		25284
-15	Sink Undercoat, 108		25285
-16	Vibration Damper, 124		25286

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/10/09 Time 12:30
Received by Lab [signature] Date 12/10/09 Time 1500
Received by Analyst [signature] Date 12.18.09 Time 2000
Returned by Lab Date Time

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Bulk Analytical Request Form

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM-WSU-Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-17	Plaster, 112		25287
-18	Plaster, 121		25288
-19	Plaster Surfacing-TR, 107		25289
-20	Plaster Surfacing-TR, 109		25290
-21	Plaster Surfacing-TR, 102		25291
-22	Plaster Surfacing-PK, 209		25292
-23	Plaster Surfacing-PK, 322		25293
-24	Plaster Surfacing-PK, 405		25294
-25	Plaster Surfacing-Popcorn, 199		25295
-26	Plaster Surfacing-Popcorn, 211		25296
-27	Plaster Surfacing-Popcorn, 235		25297
-28	Plaster Surfacing-Popcorn, 335		25298
-29	Plaster Surfacing-Popcorn, 403		25299
-30	TSI-Boiler Flue, 122		25300
-31	TSI-Mudded Fitting, 217		25301
-32	TSI-Mudded Fitting, 222		25302

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/10/09 Time 12:30
Received by Lab [signature] Date 12/10/09 Time 15:00
Received by Analyst [signature] Date 12-18-09 Time 2000
Returned by Lab Date Time

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LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** ~~Non-Rush~~

Location sample was taken DFCM-WSU-Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 12/8-10/09

Report to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-33	TSI-Mudded Fitting, 309		25303
-34	TSI-Mudded Fitting, 405		25304
-35	Radiator Tar Sealant, 405		25305

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 12/8-10/09 Time 12:30
Received by Lab [signature] Date 12/10/09 Time 1500
Received by Analyst [signature] Date 12/18/09 Time 2000
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 13, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88051, Lab # RR26692 - RR26695
Received January 13, 2010
Test report
DFCM-WSU Stansbury Hall
Sampled by Jon Craig, 1/13/10

Dear Mr. Roskelley:

Samples RR26692 through RR26695 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test method. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26692, Field WSUSH-36 Cove Base #1, 443
This sample contains four types of material: The first type is brown rubber and limestone; the second type is off-white resin mastic with limestone; the third type is 2% talc fiber and **1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in green binder with mica and limestone. This sample is non-homogeneous.

The first type is greater than 90% of the sample. The second type is 8% of the sample. The third type is 1% of the sample. The fourth type is less than 1% of the sample.

Note: Pigment and binder interference on the fourth material type.

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Lab RR26693, Field WSUSH-37 Cove Base #2, 406
This sample contains six types of material: The first type is brown rubber and limestone cove base; the second type is off-white mastic with limestone; the third type is greater than 1% talc fiber and **less than 1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in off-white binder with mica flakes; the fifth type is tan paint; the sixth type is tan plaster with sand. This sample is non-homogeneous.

The first type is 93% of the sample The second type is 2% of the sample. The third type is 2% of the sample. The fourth type is 1% of the sample. The fifth type is 1% of the sample. The sixth type is 1% of the sample.

The analysis sensitivity is limited in the fourth material type due to small sample.

Lab RR26694, Field WSUSH-38 Cove Base #3, 318
This sample contains six types of material: The first type is brown rubber and limestone cove base; the second type is off-white mastic with limestone; the third type is greater than 1% talc fiber and **less than 1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in off-white binder with mica flakes; the fifth type is tan paint; the sixth type is tan sandy plaster. This sample is non-homogeneous.

The first type is 94% of the sample The second type is 2% of the sample. The third type is 1% of the sample. The fourth type is 1% of the sample. The fifth type is 1% of the sample. The sixth type is 1% of the sample.

Lab RR26695, Field WSUSH-39 CMU/Paint, 124
This sample contains two types of material: The first type is green paint; the second type is gray sandy cement. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 1% of the sample. The second type is 99% of the sample.

The analysis sensitivity is limited in the first material type due to small layer size.

---

[1]**Note**: Some of the tremolite cleavage fragments have an aspect ratio of greater than 3:1. EPA 600/M4-82-020 defines asbestos as being positively identified as one of the minerals listed in Table 1-1 with an aspect ratio of greater than 3:1. EPA/600/R-93-116 does not classify this tremolite as asbestos. OSHA ID 191 has exempted tremolite cleavage fragments from inclusion in the OSHA asbestos standard.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst:Jaron D. Dixon_____

Analyst: Ofir A. Sosa_____

Analyst: Steve H. Dixon_____ Date Analyzed: January 11, 2010

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RUSH
2 Hr
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Page 1 of 1

88051

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: 2 Hr. **Rush** **Non-Rush**

Location sample was taken DFCM - USU - Stansbury Hall
Street address where sample was taken
Sampled by Don Crary Date of Collection 1/13/10

Report to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WRUSH-36	Core Base #1, 443		26692
-37	Core Base #2, 406		26693
-38	Core Base #3, 3150		26694
-39	CMU/Paint, 124		26695

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by Date 1/13/10 Time 1000
Received by Lab Date 1/13/10 Time 1015
Received by Analyst Date 1-13-10 Time 1038
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 20, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88157, Lab # RR26922 - RR26932
Received January 19, 2010
Test report
DFCM-WSU- Stansbury Hall
Sampled by Jon Craig, 1/19/10

Dear Mr. Roskelley:

Samples RR26922 through RR26932 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26922, Field WSUSH-41 CMU Binder-122
This sample contains three types of material: The first type is off-white paint layers; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 20% of the sample. The second type is 40% of the sample. The third type is 40% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

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Lab RR26923, Field WSUSH-42 CMU Binder-123
This sample contains three types of material: The first type is tan paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica flakes and limestone; the third type is white plaster. This sample is non-homogeneous.

The first type is 50% of the sample. The second type is 45% of the sample. The third type is 5% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26924, Field WSUSH-43 CMU Binder-1102
This sample contains three types of material: The first type is off-white and green paint layers; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 3% of the sample. The second type is 1% of the sample. The third type is 96% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26925, Field WSUSH-44 CMU Binder-114
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 3% of the sample. The second type is 1% of the sample. The third type is 96% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26926, Field WSUSH-45 CMU Binder-201
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26927, Field WSUSH-46 CMU Binder-235
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in green binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 50% of the sample. The second type is 45% of the sample. The third type is 5% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26928, Field WSUSH-47 CMU Binder-306
This sample contains three types of material: The first type is tan paint; the second type is **1.2% chrysotile asbestos** in green binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 35% of the sample. The second type is 25% of the sample. The third type is 40% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26929, Field WSUSH-48 CMU Binder-318
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is 1% of the sample. The third type is 98% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26930, Field WSUSH-49 CMU Binder-411
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26931, Field WSUSH-50 CMU Binder-406
This sample contains three types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white binder with mica and limestone; the third type is gray sandy cement. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 97% of the sample.

The analysis sensitivity is limited in the second material type due to small sample size and heavy pigment.

Lab RR26932, Field WSUSH-51 Concrete Sealant-403
This sample contains two types of material: The first type is off-white paint; the second type is **1.2% chrysotile asbestos** in off-white limestone binder with mica flakes. This sample is non-homogeneous.

The first type is 40% of the sample. The second type is 60% of the sample.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Ofir A. Sosa_____ Date Analyzed: January 19, 2010

RUSH

88157

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380: Office (801) 352-2381: Fax

Bulk Analytical Request Form

Page 1 of 1

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: Rush **Non-Rush**

Location sample was taken DECM-WSU-Stansbury Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 1/19/10

Report to be sent to:
Name: RHF | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: RHF | DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUSH-41	Ceil Binder - 122		26922
-42	-123		26923
-43	-102		26924
-44	-114		26925
-45	-201		26926
-46	-235		26927
-47	-306		26928
-48	-318		26929
-49	-411		26930
-50	-406		26931
-51	Concrete Sealant - 403		26932

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 1/19/10 Time 1240
Received by Lab [signature] Date 1-19-10 Time 1240
Received by Analyst [signature] Date 1-19-10 Time 1900
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

January 29, 2010

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 88329, Lab # RR26986
Previous Batch #: 88051, Lab #: RR26692
Received January 29, 2010
Test report
DFCM-WSU Stansbury Hall
Sampled by Jon Craig, 1/13/10

Dear Mr. Roskelley:

Sample RR26986 has been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR26986, (RR26692) Field WSUSH-36 Cove Base #1, 443
By visual estimation this sample contains four types of material: The first type is brown rubber and limestone; the second type is off-white resin mastic with limestone; the third type is 2% talc fiber and **1% tremolite cleavage fragments** [1] in brown resin mastic; the fourth type is **1.2% chrysotile asbestos** in green binder with mica and limestone. This sample is non-homogeneous.

The first type is greater than 90% of the sample. The second type is 8% of the sample. The third type is 1% of the sample. The fourth type is less than 1% of the sample.

Note: Pigment and binder interference on the fourth material type.

By point count this is **0.6% chrysotile asbestos**. 7 asbestos points were counted. 400 non-asbestos particle points were counted.

The slides were prepared from a 37.17% ash and dilute acid wash recovery of the fourth material type.

78 WEST 2400 SOUTH • SOUTH SALT LAKE, UTAH 84115-3013
PHONE 801-486-0800 • FAX 801-486-0849 • RES. 801-571-7695

---

[1]**Note**: Some of the tremolite cleavage fragments have an aspect ratio of greater than 3:1. EPA 600/M4-82-020 defines asbestos as being positively identified as one of the minerals listed in Table 1-1 with an aspect ratio of greater than 3:1. EPA/600/R-93-116 does not classify this tremolite as asbestos. OSHA ID 191 has exempted tremolite cleavage fragments from inclusion in the OSHA asbestos standard.

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Ofir A. Sosa_____ Date Analyzed: January 29, 2010

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380: Office (801) 352-2381: Fax

RUSH
2 Hr
1215

Bulk Analytical Request Form

Page 1 of 1

88051

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: 2 Hr. Rush Non-Rush

Location sample was taken DFCM - USU - Stansbury Hall
Street address where sample was taken
Sampled by Jon Cuny Date of Collection 1/13/10

Report to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
USUSH-36	Cove Base #1, 443		26692
-37	Cove Base #2, 400		26693
-38	Cove Base #3, 318		26694
-39	Wall/Paint, 124		26695

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 1/13/10 Time 1000
Received by Lab [signature] Date 1-13-10 Time 1015
Received by Analyst [signature] Date 1-13-10 Time 1035
Returned by Lab [signature] Date 1-18-10 Time 1245

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA"

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the results may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small size and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1% OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, when possible, chemical treatments will be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

Reservoirs Environmental, Inc.

January 22, 2010

Laboratory Code:	**RES**
Subcontract Number:	**NA**
Laboratory Report:	**RES 185518-1,2R**
Project # / P.O. #	**None Given**
Project Description:	**DFCM - WSU - Stansbury Hall**

David Roskelley
R & R Environmental
47 West 9000 South #2
Sandy UT 84070

Dear Customer,

Reservoirs Environmental, Inc. is an analytical laboratory accredited for the analysis of Industrial Hygiene and Environmental matrices by the National Voluntary Laboratory Accreditation Program (NVLAP), Lab Code 101896-0 for Transmission Electron Microscopy (TEM) and Polarized Light Microscopy (PLM) analysis and the American Industrial Hygiene Association (AIHA), Lab ID 101533 - Accreditation Certificate #480 for Phase Contrast Microscopy (PCM) analysis. This laboratory is currently proficient in both Proficiency Testing and PAT programs respectively.

Reservoirs Environmental, Inc. has analyzed the following samples for asbestos content as per your request. The analysis has been completed in general accordance with the appropriate methodology as stated in the attached analysis table. The results have been submitted to your office.

RES 185518- is the job number assigned to this study. This report is considered highly confidential and the sole property of the customer. Reservoirs Environmental, Inc. will not discuss any part of this study with personnel other than those of the client. The results described in this report only apply to the samples analyzed. This report must not be used to claim endorsement of products or analytical results by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without written approval from Reservoirs Environmental, Inc. Samples will be disposed of after sixty days unless longer storage is requested. If you have any questions about this report, please feel free to call 303-964-1986.

Sincerely,

Jeanne Spencer Orr
President

Analyst(s): _____

Paul D. LoScalzo	Wenlong Liu
Michael Scales	Rich Wegrzyn
Anita Bridges	James Venendaal
Adam Kinch	Louis A. Church Jr.

RESERVOIRS ENVIRONMENTAL, INC.

NVLAP Lab Code 101896-0

TABLE TEM SEMI-QUANTITATIVE BULK MATERIAL ANALYSIS

RES Job Number:	**RES 185518-1,2R**
Client:	**R & R Environmental**
Client Project Number/P.O:	**None Given**
Client Project Description	**DFCM - WSU - Stansbury Hall**
Date Samples Received:	**January 20, 2010**
Analysis Type:	**TEM Semi-Quantitative/Chatfield**
Turnaround:	**24 Hour**
Date Analyzed:	**January 21, 2010**

Client ID Number	Lab ID Number		Asbestos Minerals Present	Asbestos Concentration Weight %
WSUSH-37T (Mastic)	EM	515442	ND	ND
WSUSH-37T (Cove Base)	EM	515693	Chrysotile	0.00 - 0.05
WSUSH-37T (White Layer)	EM	515674	Chrysotile	26.1 - 29.4

ND = None Detected

ND = None Detected
TR = Trace, < 1% Visual Estimate

Trem-Act = Tremolite-Actinolite

Data QA

RES 185518

Reservoirs Environmental, Inc.

Due Date: 1-21-10

Due Time: 855

RES Job #

2059 Bryant St. Denver, CO 80211
(303) 964-1986 Fax (303) 477-4275 Toll Free (866) RESI-ENV

Page 1 of 1

SAMPLES SUBMITTED BY:	INVOICE TO: (IF DIFFERENT)	CONTACT INFORMATION:	
Company: R+R Environmental, Inc	Company:	Contact: Dave Rosfelloy	Contact:
Address: 47 W 9000 S. #2 Sandy, UT 84070	Address:	Phone: 801 521.1035	Phone:
		Fax:	Fax:
		Cell/pager:	Cell/pager:
Project Number and/or P.O. #.		Final Data Deliverable Email Address:	
Project Description/Location: DFCM-WSU-Stansbury Hall		DAVE@RRENVIRO.COM	

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm; Saturday: 8am -5pm

PCM/PLM/TEM ___ RUSH X 24 hr. ___3-5 day **(Rush PCM/PLM = 2hr, TEM - 6hr.)**

CHEMISTRY LABORATORY HOURS: Weekdays: 8am - 5pm

Metal(s)	___ RUSH ___ 24 hr. ___3-5 Day	
RCRA 8/Metals Scan	___ RUSH ___ 5 day ___10 day	**Prior notification is required for RUSH turnarounds.**
TCLP/ Welding Fume Scan		
Dust	___ RUSH ___ 24 hr. ___3-5 Day	
Organics	___ 24 hr. ___ 3 day ___5 Day	

Analysis turnarounds are subject to laboratory sample volume and are not guaranteed. You will be notified if delays are expected. Additional fees apply for afterhours and holidays for all analysis types.

Special Instructions:

REQUESTED ANALYSIS

VALID MATRIX CODES

Air = A	Bulk = B
Dust = D	Paint = P
Soil = S	Wipe = W
Drinking Water = DW	
Waste Water = WW	
Other = O	

ASTM E1792 approved wipe media only

LAB NOTES:

Client sample ID number (Sample ID's must be unique)	PLM - Short report, Long report, Point Count	TEM - AHERA, Level II, 7402, ISO, +/-, Quant, Semi-quant, Micro-vac, ISO-Indirect Preps	PCM - 7400A, 7400B, OSHA	DUST - Total, Respirable	METALS - Analyte(s) RCRA 8, TCLP, Welding Fume, Metals Scan	ORGANICS - BTEX, MTBE, 8260, GRO, DRO	OTHER -	Sample Volume (L) / Area	Matrix Code	# Containers	Date Collected mm/dd/yy	Time Collected hh/mm a/p	EM Number (Laboratory Use Only)
1 WSUSH-37T Cove Base/Mastic (Cove Base)		~~7402~~							B		1/19/10	Cove base	515412
2 WSUSH-37T Cmastic		∞											515692
3		12 cm											
4		indirect											
5													
6													
7													
8													
9													
10													
11													
12													
13													

submitted as one sample, but must be prepped/analyzed seperately so seperate charges

Mastic

EM 515692

Number of samples received: 1 (Additiional samples shall be listed on attached long form.)

NOTE: . REI will analyze incoming samples based upon information received and will not be responsible for errors or omissions in calculations resulting from the inaccuracy of original data. By signing client/company representative agrees that submission of the following samples for requested analysis as indicated on this Chain of Custody shall constitute an analytical services agreement with payment terms of NET 30 days.

Relinquished By: 8713 1951 7342 1/19/10 Date/Time: 1340

Sample Condition: On Ice Y/N Sealed Y/N Intact Y/N

Temp. (F°) ____

Laboratory Use Only

Received By: Date/Time: 1-20-10 855 Carrier: FedEx

Results:	Contact	Page	Phone	Email	Fax	Date	Time	Initials	Contact	Page	Phone	Email	Fax	Date	Time	Initials
	Dave		Phone			1-21-10	9:40A									
	Dave		Phone			1-22-10	8:27a									

LEAD-BASED PAINT INSPECTION
FOR THE

STANSBURY HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

Mr. Robert Anderson
Hazardous Materials Manager
State of Utah
Department of Administrative Services
Division of Facilities Construction and Management (DFCM)
State Office Building Room 4110
Salt Lake City, Utah 84114
PH: (801) 538-3624
FX: (801) 538-3267

Prepared by:

David C. Roskelley, MSPH, CIH, CSP
R & R Environmental, Inc. (R & R)
47 West 9000 South, Suite #2
Sandy, Utah 84070
dave@rrenviro.com
Phone (801) 541-1035

R & R
ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380 : Office (801) 352-2381: Fax

LEAD-BASED PAINT INSPECTION
STANSBURY HALL
WEBER STATE UNIVERSITY

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- 4.1 Paint Sampling Methods 3
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7.0 Limitations and Exclusion of Warranty 5

Appendices

A. Data Tables
- Table 1 – Building Component with Lead Levels at 0.3 mg/cm^2 and above
- Table 2 – Building Component with Lead Levels below 0.3 mg/cm^2

Lead-Based Paint Inspection

Stansbury Hall
Weber State University

1.0 INTRODUCTION

During December 2009, a lead-based paint (LBP) survey was conducted for the Stansbury Hall, Weber State University. The purpose of the survey was to identify lead in paint on interior and exterior surfaces of the building. Measurements for lead in paint were made using a Niton XLp 300 X-ray Fluorescence (XRF) Spectrum Analyzer. No chip sampling or laboratory analysis was performed for confirmation of XRF measurements.

The survey work was overseen by David Roskelley with R & R Environmental, Inc. in Sandy, Utah. David Roskelley has completed Lead Inspector Training through the University of Utah, Rocky Mountain Center for Occupational and Environmental Health (RMCOEH), an EPA-sponsored Regional Lead Training Center, and is certified by the State of Utah, Division of Environmental Quality, as a Lead Inspector.

The U.S. Department of housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in housing* (HUD Guidelines), Chapter7: Lead-Based Paint Inspection, 1997 Revision, was generally followed for this survey, with modifications appropriate for a non-residential building.

The following accredited and certified inspector oversaw the inspection, collection of samples and made assessment:

February 22, 2010
Date

Jon R. Craig
Lead-Based Paint Inspector
RMCOEH Certification #100208

February 22, 2010
Date

David C. Roskelley
Lead-Based Paint Inspector
State of Utah, Division of Air Quality
Certification Number: PB-1041
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

BUILDING DESCRIPTION

4.0 BUILDING DESCRIPTION

Building Identification

Building Name .....Stansbury Hall
Building Address .....Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1965
Building Type .....Apartments
Building Total Sq. Ft..... ~26,400
Structural System .....Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction..... Concrete
Roof Construction..... Flat, Built-up Tar
Floors Above Grade 4
Floors Below Grade 0

Interior Finishes

Floors .....Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet
Walls ..... Plaster, cinderblock, concrete
Attic.....No
Crawl space .....Yes (Tunnels)

Building Mechanical

Heating Plant..... Boiler
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

2.0 LEAD-BASED PAINT DEFINITIONS

HUD defines "lead-based paint" as any coating that has a lead concentration of 1.0 milligram of lead per square centimeter (1.0 mg/cm^2) 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.

By 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 have 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.

3.0 PROCEDURES

3.1 Paint Sampling Methodologies

Direct measurements of lead in paint were made using a Niton 300 XLp Series X-ray Fluorescence (XRF) Spectrum Analyzer. The Niton 300 XLp Lead Paint Analyzer non-destructively measures lead concentrations of painted surfaces, regardless of the number of layers present. These instruments were developed specifically for addressing lead-based paint issues in housing and their use in identifying potential exposure hazards for renovation or construction work must be augmented by selective collection and analysis of physical paint chip samples.

The newer XRF instruments are capable of identifying lead in paint at concentrations of about 0.3 milligram per square centimeter (mg/cm^2) or greater. When lead concentrations are lower than this, the instruments are not capable of making accurate, reliable measurements, and the reported lead concentration may underestimate or overestimate the actual lead concentration in the paint. Therefore, an XRF readings of 0.4 mg/cm^2 or greater may be considered lead-containing from an OSHA perspective, and any readings of 0.3 mg/cm^2 or less should be confirmed by the collection and laboratory analysis of paint chip samples, or assumed to be positive for lead.

Where paint chip samples are necessary, samples are collected according to the protocol specified in the HUD Guidelines. The samples are then submitted to a laboratory recognized under the EPA's National Lead Laboratory Accreditation Program (NLLAP)

for analysis by flame atomic absorption spectrophotometry according to American Society of Testing and Materials (ASTM) method ASTM E 1645.

3.2 XRF Calibration

Before beginning the testing and after the testing was completed, the internal calibration of the Niton XLp 300 was checked by taking three consecutive measurements on a National Institute for Standards and Technology (NIST) standard with a known concentration of lead. These calibration checks are reported within the XRF data tables found in Appendix A of this report and are maintained in a file at R & R Environmental, Inc. to detect changes in instrument performance over time.

3.3 Lead Paint Inspection Data Tables

The XRF instrument generates a unique set of data tables for each inspection and can be exported into Microsoft Excel Spreadsheet format .xls. The Sequential Report lists the measurements made throughout the property in sequential order, from the first measurement to the last. The Data table is maintained in a file at R & R Environmental, Inc.

4.0 FINDINGS

The XRF instrument indicated that lead is present on some interior and exterior surfaces. These surfaces are listed in Table 1 "positive" building components (Measurements of 0.3 mg/cm^2 and above) in Appendix A of this report:

Interior

- Door Frames, Ceramic Tile Walls, Ceramic Tile Baseboards, Miscellaneous Components

Exterior

- Some Door Frames

Because lead has been detected in some of the building's painted surfaces, the OSHA Lead in Construction Standard (29 CFR 1926.62) applies to any construction work (including renovation and demolition) that may disturb those surfaces. The standard requires, among other things, the following:

- Initial training on the hazards of lead exposure, proper work practices, respiratory protection, and other topics;

- An initial exposure assessment, by air monitoring, to determine the lead exposure assessment, until sample analysis indicates exposures below the Permissible Exposure Limit;

- Hand washing facilities, designated clean change areas, and designated eating areas.

In addition to the above considerations, the presence of lead in demolition debris has the potential to impose limitations on where and how the debris may be disposed. The Resource Conservation and Recovery Act (RCRA), Subtitles C and D, require that the waste must be analyzed to determine the amount of leachable lead present. The type of test to be performed on the waste is the Toxicity Characteristic Leaching Procedure (TCLP) for lead, and the results of this test will determine whether the material must be handled and disposed of as hazardous waste. For structures containing large amounts of lead-containing paint, significant potential for failing the TCLP exists.

5.0 RESULTS AND RECOMMENDATIONS

Lead-based paint was found on various interior and exterior components. The lead-based paint on these components is intact. These components should be left undisturbed in place.

6.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This lead inspection was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, lead-based paint (LBP) can be present in a surface, but not identified using ordinary investigative procedures.

No lead inspection can completely eliminate uncertainty regarding the presence of LBP. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of LBP. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all LBP present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Lead Paint Inspection Data Tables

Table 1

Building Components with Lead Levels at 0.3 mg/cm^2 and Above
Stansbury Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
Shutter Cal		1	8.32							
Calibrate		2	1.2							
Calibrate		3	1.2							
Calibrate		4	1.2							
124	First	14	0.4	Door Frame	D	Metal	Gray	Intact		
124	First	15	0.4	Door	C	Metal	Tan	Intact		
124	First	30	2.3	Motor	A	Metal	Red	Intact		
124	First	40	2.1	Motor	B	Metal	Green	Intact		
124	First	69	2.3	Pipe	Center	Metal	Yellow	Intact		
124	First	70	1.8	Pipe	Center	Metal	Yellow	Intact		
122	First	73	0.3	Door Frame	B	Metal	Gray	Intact		
122	First	76	0.3	Wall	C	Cinderblock	Off-White	Intact		
122	First	80	13.7	Window Sill	C	Ceramic	Tan	Intact		
122	First	83	0.4	Pipe	C	Metal	Off-White	Intact		
121	First	85	0.4	Door Frame	C	Metal	Tan	Intact		
119	First	95	7.6	Wall	A	Ceramic	Blue	Intact		
119	First	100	0.5	Baseboard	C	Ceramic	Tan	Intact		
101	First	112	0.3	Door	B	Metal	Tan	Intact		
101	First	113	0.4	Door Frame	B	Metal	Tan	Intact		
101	First	116	0.7	Baseboard	A	Ceramic	Tan	Intact		
101	First	118	5.1	Control Box	C	Metal	Black	Intact		
117	First	129	0.4	Door Frame	A	Metal	Gray	Intact		
116	First	147	6	Wall	B	Ceramic	Blue	Intact		
114	First	159	0.4	Pipe	A	Paper	Off-White	Intact		
115	First	163	0.4	Door Frame	A	Metal	Gray	Intact		
112	First	177	4.7	Wall	A	Ceramic	Cream	Intact		
109	First	183	16.1	Window Sill	A	Ceramic	Tan	Intact		
105	First	194	0.4	Door Frame	A	Metal	Off-White	Intact		
235	Second	214	0.5	Door Frame	A	Metal	Tan	Intact		
206	Second	227	0.3	Door Frame	D	Metal	Gray	Intact		
203	Second	236	0.3	Door Frame	D	Metal	Gray	Intact		
204	Second	244	0.4	Door Frame	D	Metal	Gray	Intact		
205	Second	257	0.3	Ceiling	Center	Plaster	Off-White	Intact		
243	Second	261	0.4	Door Frame	B	Metal	Gray	Intact		
208	Second	273	0.4	Door Frame	A	Metal	Gray	Intact		
211	Second	302	0.3	Door Frame	B	Metal	Gray	Intact		
209	Second	312	0.3	Door Frame	B	Metal	Gray	Intact		
209	Second	313	0.4	Radiator	D	Metal	Gray	Intact		
244	Second	320	0.3	Door Frame	D	Metal	Gray	Intact		
244	Second	326	4.9	Wall	D	Ceramic	Off-White	Intact		
218	Second	331	0.4	Door Frame	A	Metal	Gray	Intact		
216	Second	359	0.3	Door Frame	B	Metal	Gray	Intact		
226	Second	379	2.1	Shelf	B	Wood	Off-White	Intact		
228	Second	383	7.2	Wall	B	Ceramic	Off-White	Intact		
227	Second	436	0.3	Wall	A	Cinderblock	Off-White	Intact		
227	Second	437	0.3	Shelf	D	Wood	Off-White	Intact		
232	Second	441	6.6	Wall	D	Ceramic	Off-White	Intact		
233	Second	443	0.4	Door Frame	B	Metal	Gray	Intact		
306	Third	459	0.3	Door Frame	A	Metal	Gray	Intact		
305	Third	500	0.4	Door Frame	A	Metal	Gray	Intact		
342	Third	517	6.4	Wall	D	Ceramic	Off-White	Intact		
Shutter Cal		521	7.26							
312	Third	543	0.3	Door Frame	B	Metal	Gray	Intact		
338	Third	575	0.3	Door Frame	D	Metal	Gray	Intact		
338	Third	577	5.8	Wall	B	Ceramic	Off-White	Intact		
317	Third	622	0.3	Wall	A	Cinderblock	Beige	Intact		
326	Third	631	0.5	Shelf	B	Wood	Off-White	Intact		
328	Third	634	0.4	Door Frame	D	Metal	Gray	Intact		
328	Third	636	5.4	Wall	B	Ceramic	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
321	Third	642	0.4	Door Frame	C	Metal	Gray	Intact		
321	Third	643	0.4	Wall	B	Cinderblock	Off-White	Intact		
332	Third	693	0.3	Door Frame	B	Metal	Gray	Intact		
332	Third	695	8.1	Wall	B	Ceramic	Off-White	Intact		
401	Fourth	701	0.3	Wall	A	Cinderblock	Off-White	Intact		
401	Fourth	703	0.4	Wall	C	Cinderblock	Off-White	Intact		
435	Fourth	708	0.4	Wall	A	Cinderblock	Cream	Intact		
406	Fourth	719	0.3	Wall	B	Cinderblock	Off-White	Intact		
402	Fourth	725	0.3	Door Frame	D	Metal	Gray	Intact		
443	Fourth	763	0.4	Door Frame	B	Metal	Gray	Intact		
442	Fourth	770	6.5	Wall	D	Ceramic	Off-White	Intact		
408	Fourth	776	0.3	Door Frame	A	Metal	Gray	Intact		
413	Fourth	785	0.4	Door Frame	B	Metal	Gray	Intact		
412	Fourth	799	0.3	Wall	D	Metal	Off-White	Intact		
409	Fourth	816	0.4	Door Frame	B	Metal	Gray	Intact		
438	Fourth	829	4.5	Wall	D	Ceramic	Off-White	Intact		
418	Fourth	837	0.3	Wall	B	Cinderblock	Off-White	Intact		
428	Fourth	886	0.4	Door Frame	D	Metal	Gray	Intact		
428	Fourth	888	4.8	Wall	B	Ceramic	Off-White	Intact		
421	Fourth	897	0.4	Ceiling	Center	Plaster	Off-White	Intact		
Shutter Cal		910	7.54							
427	Fourth	939	0.4	Door Frame	B	Metal	Gray	Intact		
432	Fourth	946	5.5	Wall	D	Ceramic	Off-White	Intact		
Exterior	First	960	0.3	Door Frame	C Right	Metal	Brown	Intact		
Calibrate		968	1.1							
Calibrate		969	1.1							
Calibrate		970	1.1							

Note 1: A=North, B=East, C=South, D=West

Table 2

Building Components with Lead Levels Below 0.3 mg/cm^2
Stansbury Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
123	First	5	0	Door	C	Metal	Gray	Intact		
123	First	6	0.21	Door Frame	C	Metal	Gray	Intact		
123	First	7	0.02	Wall	B	Cinderblock	Off-White	Intact		
123	First	8	0	Wall	D	Cinderblock	Off-White	Intact		
123	First	9	0.05	Ceiling	Center	Plaster	Off-White	Intact		
123	First	10	0.13	Door Frame	A	Metal	Gray	Intact		
123	First	11	0.16	Fire Ext Box	B	Metal	Gray	Intact		
123	First	12	0.03	Radiator	B	Metal	Gray	Intact		
124	First	13	0.21	Door	D	Metal	Gray	Intact		
124	First	16	0.16	Door Frame	C	Metal	Tan	Intact		
124	First	17	0.01	Wall	A	Cinderblock	Green	Intact		
124	First	18	0.02	Wall	B	Cinderblock	Green	Intact		
124	First	19	0.02	Wall	C	Cinderblock	Green	Intact		
124	First	20	0.05	Wall	D	Cinderblock	Green	Intact		
124	First	21	0.02	Ceiling	Center	Concrete	Green	Intact		
124	First	22	0.29	Control Box	A	Metal	Red	Intact		
124	First	23	0	Comp. Tank	A	Metal	Blue	Intact		
124	First	24	0	Motor	A	Metal	Blue	Intact		
124	First	25	0	Motor	A	Metal	Blue	Intact		
124	First	26	0.01	Base	A	Metal	Blue	Intact		
124	First	27	0.06	Tank	A	Metal	Cream	Intact		
124	First	28	0.17	Motor	A	Metal	Red	Intact		
124	First	29	0	Motor	A	Metal	Red	Intact		
124	First	31	0	Motor	A	Metal	Red	Intact		
124	First	32	0	Pump	A	Metal	Red	Intact		
124	First	33	0.04	Control Box	A	Metal	Tan	Intact		
124	First	34	0.19	Motor	A	Metal	Red	Intact		
124	First	35	0.26	Motor	A	Metal	Red	Intact		
124	First	36	0.16	Motor	A	Metal	Red	Intact		
124	First	37	0	Motor	A	Metal	Blue	Intact		
124	First	38	0.12	Air Handler	B	Metal	Green	Intact		
124	First	39	0.08	Air Handler	B	Metal	Green	Intact		
124	First	41	0	Control Box	B	Metal	Beige	Intact		
124	First	42	0.01	Mount	B	Wood	Green	Intact		
124	First	43	0.07	Pipe	B	Metal	Green	Intact		
124	First	44	0	Column	C	Concrete	Green	Intact		
124	First	45	0.01	Breaker Panel	C	Metal	Gray	Intact		
124	First	46	0	Conduit Box	C	Metal	Gray	Intact		
124	First	47	0	Conduit Box	C	Metal	Gray	Intact		
124	First	48	0	Switch	C	Metal	Gray	Intact		
124	First	49	0.01	Breaker Panel	C	Metal	Gray	Intact		
124	First	50	0	Control Box	C	Metal	Gray	Intact		
124	First	51	0	Control Box	C	Metal	Gray	Intact		
124	First	52	0	Control Box	C	Metal	Tan	Intact		
124	First	53	0	Switch	C	Metal	Tan	Intact		
124	First	54	0	Switch	C	Metal	Tan	Intact		
124	First	55	0	Switch	C	Metal	Tan	Intact		
124	First	56	0	Switch	C	Metal	Tan	Intact		
124	First	57	0	Breaker Panel	C	Metal	Tan	Intact		
124	First	58	0	Motor	C	Metal	Red	Intact		
124	First	59	0.04	Pipe	C	Metal	Green	Intact		
124	First	60	0	Control Box	C	Metal	Tan	Intact		
124	First	61	0	Breaker Panel	C	Metal	Gray	Intact		
124	First	62	0	Control Box	C	Metal	Tan	Intact		
124	First	63	0.21	Control Box	C	Metal	Red	Intact		
124	First	64	0	Boiler	C	Metal	Gray	Intact		
124	First	65	0	Boiler	C	Metal	Black	Intact		
124	First	66	0.01	Tank	Center	Metal	Silver	Intact		
124	First	67	0	Control Box	Center	Metal	Blue	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
124	First	68	0	Motor	Center	Metal	Blue	Intact		
124	First	71	0	Tank	Center	Metal	Rust	Intact		
122	First	72	0.01	Door	B	Wood	Clear	Intact		
122	First	74	0.2	Wall	A	Cinderblock	Off-White	Intact		
122	First	75	0.15	Wall	B	Cinderblock	Off-White	Intact		
122	First	77	0.09	Wall	D	Cinderblock	Off-White	Intact		
122	First	78	0.08	Ceiling	Center	Plaster	Off-White	Intact		
122	First	79	0.17	Column	C	Concrete	Off-White	Intact		
122	First	81	0.14	Shelf	A	Wood	Off-White	Intact		
122	First	82	0.2	Pipe	C	Paper	Off-White	Intact		
121	First	84	0	Door	C	Wood	Clear	Intact		
121	First	86	0.09	Wall	A	Cinderblock	Off-White	Intact		
121	First	87	0.09	Wall	C	Cinderblock	Off-White	Intact		
121	First	88	0.11	Ceiling	C	Plaster	Off-White	Intact		
121	First	89	0.04	Cabinet	D	Wood	Clear	Intact		
121	First	90	0.02	Radiator	A	Metal	Tan	Intact		
121	First	91	0.01	Rack	B	Wood	Off-White	Intact		
119	First	92	0.02	Door	B	Wood	Clear	Intact		
119	First	93	0.17	Door Frame	B	Metal	Gray	Intact		
119	First	94	0.09	Wall	A	Plaster	Off-White	Intact		
119	First	96	0.07	Ceiling	Center	Plaster	Off-White	Intact		
119	First	97	0.12	Door	D	Metal	Off-White	Intact		
119	First	98	0.05	Column	Center	Concrete	Off-White	Intact		
119	First	99	0.03	Column	Center	Concrete	Off-White	Intact		
118	First	101	0.02	Column	A	Concrete	Off-White	Intact		
125	First	102	0.01	Column	Center	Concrete	Off-White	Intact		
126	First	103	0	Door	C	Wood	Clear	Intact		
126	First	104	0.13	Door Frame	C	Metal	Off-White	Intact		
126	First	105	0.01	Wall	A	Cinderblock	Off-White	Intact		
126	First	106	0.01	Wall	C	Cinderblock	Off-White	Intact		
126	First	107	0	Window Frame	A	Wood	Off-White	Intact		
126	First	108	0.01	Ceiling	Center	Plaster	Off-White	Intact		
126	First	109	0.08	BOX	D	Metal	Green	Intact		
126	First	110	0.03	BOX	D	Metal	Gray	Intact		
101	First	111	0.24	Door	B	Metal	Tan	Intact		
101	First	114	0.07	Door Frame	B	Metal	Tan	Intact		
101	First	115	0	Floor	B	Ceramic	Beige	Intact		
101	First	116	0.7	Baseboard	A	Ceramic	Tan	Intact		
101	First	117	0	Control Box	C	Metal	Black	Intact		
101	First	119	0	Control Box	C	Metal	Red	Intact		
101	First	120	0	Window Frame	C	Metal	Off-White	Intact		
103	First	121	0.02	Door	C	Wood	Clear	Intact		
103	First	122	0.16	Door Frame	C	Metal	Off-White	Intact		
103	First	123	0	Door	A	Wood	Clear	Intact		
103	First	124	0	Door Frame	A	Metal	Off-White	Intact		
103	First	125	0.01	Wall	A	Cinderblock	Off-White	Intact		
103	First	126	0.01	Wall	C	Cinderblock	Off-White	Intact		
103	First	127	0.02	Ceiling	Center	Plaster	Off-White	Intact		
103	First	128	0	Mount	D	Wood	Off-White	Intact		
117	First	130	0.21	Door	D	Metal	Tan	Intact		
117	First	131	0.08	Column	Center	Concrete	Tan	Intact		
117	First	132	0.04	Column	Center	Concrete	Tan	Intact		
117	First	133	0.05	Column	Center	Concrete	Tan	Intact		
117	First	134	0.06	Vent	B	Metal	Tan	Intact		
113	First	135	0	Door	A	Metal	Gray	Intact		
113	First	136	0.21	Door Frame	A	Metal	Gray	Intact		
113	First	137	0.02	Wall	B	Cinderblock	Off-White	Intact		
113	First	138	0.04	Wall	B	Cinderblock	Off-White	Intact		
113	First	139	0.06	Ceiling	Center	Plaster	Off-White	Intact		
113	First	140	0.02	Floor	Center	Concrete	Clear	Intact		
113	First	141	0.07	Fire Ext Box	B	Metal	Gray	Intact		
113	First	142	0.01	Radiator	B	Metal	Gray	Intact		
113	First	143	0.02	Access Panel	B	Metal	Off-White	Intact		
113	First	144	0.29	Door Header	A	Metal	Gray	Intact		
116	First	145	0	Door	B	Wood	Clear	Intact		
116	First	146	0.14	Door Frame	B	Metal	Off-White	Intact		
116	First	148	0.06	Wall	B	Plaster	Off-White	Intact		
116	First	149	0.07	Ceiling	Center	Plaster	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
114	First	150	0	Door	B	Wood	Clear	Intact		
114	First	151	0.23	Door Frame	B	Metal	Gray	Intact		
114	First	152	0.09	Wall	A	Cinderblock	Off-White	Intact		
114	First	153	0.06	Wall	B	Cinderblock	Off-White	Intact		
114	First	154	0.09	Wall	C	Cinderblock	Off-White	Intact		
114	First	155	0.13	Wall	D	Cinderblock	Off-White	Intact		
114	First	156	0.1	Ceiling	Center	Plaster	Off-White	Intact		
114	First	157	0.09	Column	A	Concrete	Off-White	Intact		
114	First	158	0.27	Pipe	A	Metal	Off-White	Intact		
114	First	160	0	Sink	C	Metal	Off-White	Intact		
114	First	161	0.01	Radiator	D	Metal	Tan	Intact		
115	First	162	0.01	Door	A	Wood	Clear	Intact		
115	First	164	0.1	Wall	A	Cinderblock	Off-White	Intact		
115	First	165	0.25	Wall	C	Cinderblock	Off-White	Intact		
115	First	166	0.03	Radiator	C	Metal	Tan	Intact		
115	First	167	0	Cabinet	B	Wood	Clear	Intact		
111	First	168	0.01	Door	D	Wood	Clear	Intact		
111	First	169	0.02	Wall	C	Cinderblock	Off-White	Intact		
111	First	170	0	Breaker Panel	C	Metal	Gray	Intact		
111	First	171	0.01	Ceiling	Center	Wallboard	Off-White	Intact		
112	First	172	0	Door	C	Wood	Clear	Intact		
112	First	173	0.22	Door Frame	C	Metal	Off-White	Intact		
112	First	174	0	Wall	B	Plaster	Cream	Intact		
112	First	175	0.02	Wall	D	Plaster	Cream	Intact		
112	First	176	0.05	Ceiling	Center	Plaster	Cream	Intact		
109	First	178	0.11	Door	C	Wood	Cream	Intact		
109	First	179	0.01	Door	C	Wood	Clear	Intact		
109	First	180	0.06	Wall	A	Cinderblock	Off-White	Intact		
109	First	181	0.07	Wall	B	Cinderblock	Off-White	Intact		
109	First	182	0.16	Wall	C	Cinderblock	Off-White	Intact		
109	First	184	0	Ceiling	Center	Wallboard	Off-White	Intact		
109	First	185	0	Cabinet	D	Wood	Clear	Intact		
108	First	186	0	Wall	A	Wallboard	Off-White	Intact		
108	First	187	0.11	Wall	B	Cinderblock	Off-White	Intact		
108	First	188	0	Cabinet	A	Wood	Clear	Intact		
107	First	189	0	Wall	B	Wallboard	Carmel	Intact		
107	First	190	0	Wall	C	Cinderblock	Off-White	Intact		
107	First	191	0.14	Wall	D	Cinderblock	Off-White	Intact		
107	First	192	0.07	Ceiling	Center	Wallboard	Off-White	Intact		
105	First	193	0.04	Door	A	Wood	Clear	Intact		
105	First	195	0.1	Wall	B	Cinderblock	Off-White	Intact		
105	First	196	0.1	Pipe	B	Paper	Off-White	Intact		
102	First	197	0.01	Door	B	Wood	Clear	Intact		
102	First	198	0.01	Door	C	Wood	Clear	Intact		
102	First	199	0.09	Door Frame	B	Metal	Off-White	Intact		
102	First	200	0.09	Door Frame	C	Metal	Off-White	Intact		
102	First	201	0.01	Wall	B	Cinderblock	Cream	Intact		
102	First	202	0.02	Wall	D	Cinderblock	Cream	Intact		
102	First	203	0.01	Ceiling	Center	Wallboard	Cream	Intact		
102	Second	204	0	Bulletin Board	A	Wood	Beige	Intact		
199	First	205	0.03	Wall	D	Concrete	Off-White	Intact		
199	First	206	0	Ceiling	Center	Concrete	Off-White	Intact		
199	First	207	0	Stair Structure	Center	Metal	Black	Intact		
201	Second	208	0.04	Wall	A	Cinderblock	Off-White	Intact		
201	Second	209	0	Wall	B	Cinderblock	Off-White	Intact		
201	Second	210	0.15	Wall	C	Cinderblock	Off-White	Intact		
201	Second	211	0	Wall	D	Cinderblock	Off-White	Intact		
201	Second	212	0.09	Ceiling	Center	Concrete	Off-White	Intact		
235	Second	213	0.06	Door	A	Wood	Clear	Intact		
235	Second	215	0.21	Wall	A	Cinderblock	Off-White	Intact		
235	Second	216	0.01	Wall	B	Cinderblock	Off-White	Intact		
235	Second	217	0.04	Cabinet	B	Wood	Red	Intact		
235	Second	218	0.04	Ceiling	Center	Concrete	Off-White	Intact		
206	Second	219	0	Door	A	Metal	Gray	Intact		
206	Second	220	0.2	Door Frame	A	Metal	Gray	Intact		
206	Second	221	0.12	Door Frame	C	Metal	Gray	Intact		
206	Second	222	0.05	Wall	B	Cinderblock	Off-White	Intact		
206	Second	223	0	Wall	D	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
206	Second	224	0.04	Ceiling	Center	Plaster	Off-White	Intact		
206	Second	225	0.09	Radiator	B	Metal	Gray	Intact		
206	Second	226	0	Door	D	Wood	Clear	Intact		
206	Second	228	0.01	Wall	A	Cinderblock	Off-White	Intact		
206	Second	229	0.01	Wall	B	Cinderblock	Off-White	Intact		
206	Second	230	0.05	Wall	D	Cinderblock	Off-White	Intact		
206	Second	231	0.06	Ceiling	Center	Plaster	Off-White	Intact		
206	Second	232	0.01	Cabinet	D	Wood	Clear	Intact		
206	Second	233	0	Shelf	C	Wood	Clear	Intact		
206	Second	234	0.01	Radiator	B	Metal	Gray	Intact		
203	Second	235	0	Door	D	Wood	Clear	Intact		
203	Second	237	0.01	Radiator	B	Metal	Gray	Intact		
203	Second	238	0.1	Wall	B	Cinderblock	Gray	Intact		
203	Second	239	0.06	Wall	C	Cinderblock	Gray	Intact		
203	Second	240	0.04	Wall	D	Cinderblock	Gray	Intact		
203	Second	241	0.04	Shelf	A	Wood	Clear	Intact		
203	Second	242	0	Cabinet	D	Wood	Clear	Intact		
204	Second	243	0	Door	D	Wood	Clear	Intact		
204	Second	245	0.02	Radiator	B	Metal	Gray	Intact		
204	Second	246	0.05	Wall	A	Cinderblock	Off-White	Intact		
204	Second	247	0.03	Wall	B	Wallboard	Off-White	Intact		
204	Second	248	0.01	Wall	C	Cinderblock	Off-White	Intact		
204	Second	249	0.03	Wall	D	Cinderblock	Off-White	Intact		
204	Second	250	0	Shelf	C	Wood	Clear	Intact		
204	Second	251	0.01	Cabinet	D	Wood	Clear	Intact		
205	Second	252	0	Door	D	Wood	Clear	Intact		
205	Second	253	0.17	Door Frame	D	Metal	Gray	Intact		
205	Second	254	0.04	Wall	A	Cinderblock	Off-White	Intact		
205	Second	255	0.02	Wall	C	Cinderblock	Off-White	Intact		
205	Second	256	0.01	Wall	B	Metal	Off-White	Intact		
205	Second	258	0.03	Radiator	B	Metal	Off-White	Intact		
205	Second	259	0	Cabinet	D	Wood	Clear	Intact		
243	Second	260	0	Door	B	Wood	Clear	Intact		
243	Second	262	0.08	Wall	B	Cinderblock	Off-White	Intact		
243	Second	263	0.09	Ceiling	Center	Plaster	Off-White	Intact		
243	Second	264	0	Shelf	D	Wood	Off-White	Intact		
242	Second	265	0	Door	B	Wood	Clear	Intact		
242	Second	266	0.17	Door Frame	B	Metal	Gray	Intact		
242	Second	267	0	Wall	C	Plaster	Off-White	Intact		
242	Second	268	0.04	Wall	C	Ceramic	Off-White	Intact		
236	Second	269	0.01	Door	B	Wood	Clear	Intact		
236	Second	270	0.22	Door Frame	B	Metal	Gray	Intact		
236	Second	271	0.05	Wall	A	Plaster	Off-White	Intact		
208	Second	272	0	Door	A	Metal	Gray	Intact		
208	Second	274	0.14	Door Frame	C	Metal	Gray	Intact		
208	Second	275	0.06	Wall	B	Cinderblock	Off-White	Intact		
208	Second	276	0.03	Wall	D	Cinderblock	Off-White	Intact		
208	Second	277	0.04	Radiator	D	Metal	Gray	Intact		
208	Second	278	0	Access Panel	D	Metal	Gray	Intact		
208	Second	279	0.19	Ceiling	Center	Plaster	Off-White	Intact		
208	Second	280	0.01	Wall	B	Wood	Clear	Intact		
208	Second	281	0.07	Access Panel	B	Metal	Off-White	Intact		
213	Second	282	0	Door	B	Wood	Clear	Intact		
213	Second	283	0.15	Door Frame	B	Metal	Gray	Intact		
213	Second	284	0	Wall	A	Cinderblock	Off-White	Intact		
213	Second	285	0.06	Wall	C	Cinderblock	Off-White	Intact		
213	Second	286	0.08	Wall	B	Cinderblock	Off-White	Intact		
213	Second	287	0.02	Wall	D	Metal	Off-White	Intact		
213	Second	288	0.02	Radiator	D	Metal	Off-White	Intact		
213	Second	289	0.02	Shelf	A	Wood	Clear	Intact		
213	Second	290	0	Cabinet	B	Wood	Clear	Intact		
213	Second	291	0	Door	B	Wood	Clear	Intact		
213	Second	292	0.28	Door Frame	B	Metal	Gray	Intact		
213	Second	293	0.2	Wall	A	Cinderblock	Off-White	Intact		
213	Second	294	0.03	Wall	B	Cinderblock	Off-White	Intact		
213	Second	295	0.07	Wall	C	Cinderblock	Off-White	Intact		
213	Second	296	0	Wall	D	Metal	Off-White	Intact		
213	Second	297	0.01	Radiator	D	Metal	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
213	Second	298	0.02	Ceiling	Center	Plaster	Off-White	Intact		
213	Second	299	0	Shelf	C	Wood	Clear	Intact		
213	Second	300	0	Cabinet	B	Wood	Clear	Intact		
211	Second	301	0	Door	B	Wood	Clear	Intact		
211	Second	303	0.04	Wall	A	Cinderblock	Off-White	Intact		
211	Second	304	0.01	Wall	B	Cinderblock	Off-White	Intact		
211	Second	305	0.06	Wall	C	Cinderblock	Off-White	Intact		
211	Second	306	0.03	Wall	D	Metal	Off-White	Intact		
211	Second	307	0.04	Radiator	D	Metal	Gray	Intact		
211	Second	308	0.03	Ceiling	Center	Plaster	Off-White	Intact		
211	Second	309	0	Shelf	A	Wood	Clear	Intact		
211	Second	310	0	Cabinet	B	Wood	Clear	Intact		
209	Second	311	0.02	Door	B	Wood	Clear	Intact		
209	Second	313	0.4	Radiator	D	Metal	Gray	Intact		
209	Second	314	0.05	Wall	A	Wallboard	Off-White	Intact		
209	Second	315	0.01	Wall	C	Cinderblock	Off-White	Intact		
209	Second	316	0.05	Wall	D	Metal	Off-White	Intact		
209	Second	317	0.06	Ceiling	Center	Plaster	Off-White	Intact		
209	Second	318	0	Cabinet	A	Wood	Clear	Intact		
244	Second	319	0.01	Door	D	Wood	Clear	Intact		
244	Second	321	0.06	Wall	C	Cinderblock	Off-White	Intact		
244	Second	322	0	Shelf	B	Wood	Off-White	Intact		
244	Second	323	0	Door	B	Wood	Clear	Intact		
244	Second	324	0.21	Door Frame	D	Metal	Gray	Intact		
244	Second	325	0.08	Wall	D	Plaster	Off-White	Intact		
244	Second	327	0	Ceiling	Center	Plaster	Off-White	Intact		
238	Second	328	0.02	Door	D	Wood	Clear	Intact		
238	Second	329	0.18	Door Frame	D	Metal	Off-White	Intact		
238	Second	330	0.08	Wall	B	Plaster	Off-White	Intact		
218	Second	332	0	Door	C	Metal	Gray	Intact		
218	Second	333	0.27	Door Frame	C	Metal	Gray	Intact		
218	Second	334	0.17	Wall	B	Cinderblock	Off-White	Intact		
218	Second	335	0.12	Wall	D	Cinderblock	Off-White	Intact		
218	Second	336	0.24	Ceiling	Center	Plaster	Off-White	Intact		
218	Second	337	0.09	Radiator	D	Metal	Gray	Intact		
218	Second	338	0	Wall	B	Wood	Clear	Intact		
214	Second	339	0	Door	B	Wood	Clear	Intact		
214	Second	340	0.26	Door Frame	B	Metal	Gray	Intact		
214	Second	341	0.02	Wall	A	Cinderblock	Off-White	Intact		
214	Second	342	0.02	Wall	B	Cinderblock	Off-White	Intact		
214	Second	343	0.01	Wall	C	Cinderblock	Off-White	Intact		
214	Second	344	0.06	Wall	D	Metal	Off-White	Intact		
214	Second	345	0.04	Radiator	D	Metal	Off-White	Intact		
214	Second	346	0	Shelf	C	Wood	Clear	Intact		
214	Second	347	0	Cabinet	B	Wood	Clear	Intact		
215	Second	348	0	Door	B	Wood	Clear	Intact		
215	Second	349	0.14	Door Frame	B	Metal	Gray	Intact		
215	Second	350	0.01	Wall	A	Cinderblock	Off-White	Intact		
215	Second	351	0.09	Wall	B	Cinderblock	Off-White	Intact		
215	Second	352	0	Wall	C	Cinderblock	Off-White	Intact		
215	Second	353	0.02	Wall	D	Metal	Off-White	Intact		
215	Second	354	0.02	Radiator	D	Metal	Off-White	Intact		
215	Second	355	0.02	Ceiling	Center	Plaster	Off-White	Intact		
215	Second	356	0	Shelf	A	Wood	Clear	Intact		
215	Second	357	0	Cabinet	B	Wood	Clear	Intact		
216	Second	358	0	Door	B	Wood	Clear	Intact		
216	Second	360	0.01	Wall	A	Cinderblock	Off-White	Intact		
216	Second	361	0.03	Wall	B	Cinderblock	Off-White	Intact		
216	Second	362	0.01	Wall	C	Cinderblock	Off-White	Intact		
216	Second	363	0.03	Wall	D	Metal	Off-White	Intact		
216	Second	364	0.01	Radiator	D	Metal	Off-White	Intact		
216	Second	365	0.01	Ceiling	C	Plaster	Off-White	Intact		
216	Second	366	0	Shelf	C	Wood	Clear	Intact		
216	Second	367	0	Cabinet	B	Wood	Clear	Intact		
217	Second	368	0	Door	B	Wood	Clear	Intact		
217	Second	369	0.19	Door Frame	B	Metal	Gray	Intact		
217	Second	370	0.01	Wall	A	Cinderblock	Off-White	Intact		
217	Second	371	0.07	Wall	C	Wallboard	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
217	Second	372	0.05	Wall	D	Metal	Off-White	Intact		
217	Second	373	0.02	Radiator	D	Metal	Off-White	Intact		
217	Second	374	0.08	Ceiling	Center	Plaster	Off-White	Intact		
217	Second	375	0	Cabinet	B	Wood	Clear	Intact		
226	Second	376	0.01	Door	D	Wood	Clear	Intact		
226	Second	377	0.18	Door Frame	D	Metal	Gray	Intact		
226	Second	378	0.09	Wall	A	Cinderblock	Off-White	Intact		
228	Second	380	0.02	Door	D	Wood	Clear	Intact		
228	Second	381	0.22	Door Frame	D	Metal	Gray	Intact		
228	Second	382	0.02	Wall	B	Plaster	Off-White	Intact		
228	Second	384	0.09	Ceiling	Center	Plaster	Off-White	Intact		
234	Second	385	0.01	Door	D	Wood	Clear	Intact		
234	Second	386	0.12	Door Frame	D	Metal	Gray	Intact		
234	Second	387	0.03	Wall	C	Plaster	Off-White	Intact		
234	Second	388	0.25	Door Frame	A	Metal	Gray	Intact		
234	Second	389	0	Door	C	Metal	Gray	Intact		
234	Second	390	0.16	Door Frame	C	Metal	Gray	Intact		
221	Second	391	0.07	Wall	A	Cinderblock	Off-White	Intact		
221	Second	392	0.1	Wall	B	Cinderblock	Off-White	Intact		
221	Second	393	0.03	Wall	D	Cinderblock	Off-White	Intact		
221	Second	394	0	Ceiling	Center	Plaster	Off-White	Intact		
221	Second	395	0.02	Radiator	B	Metal	Gray	Intact		
221	Second	396	0	Access Panel	B	Metal	Gray	Intact		
225	Second	397	0	Door	D	Wood	Clear	Intact		
225	Second	398	0.13	Door Frame	D	Metal	Gray	Intact		
225	Second	399	0.03	Wall	A	Cinderblock	Off-White	Intact		
225	Second	400	0.01	Wall	C	Cinderblock	Off-White	Intact		
225	Second	401	0.01	Wall	D	Cinderblock	Off-White	Intact		
225	Second	402	0.05	Wall	B	Metal	Off-White	Intact		
225	Second	403	0.01	Radiator	B	Metal	Off-White	Intact		
225	Second	404	0.04	Ceiling	Center	Plaster	Off-White	Intact		
225	Second	405	0.01	Cabinet	D	Wood	Clear	Intact		
224	Second	406	0	Door	D	Wood	Clear	Intact		
224	Second	407	0.26	Door Frame	D	Metal	Gray	Intact		
224	Second	408	0.02	Wall	A	Cinderblock	Off-White	Intact		
224	Second	409	0.03	Wall	C	Cinderblock	Off-White	Intact		
224	Second	410	0.01	Wall	D	Cinderblock	Off-White	Intact		
224	Second	411	0.02	Wall	B	Metal	Off-White	Intact		
224	Second	412	0.02	Radiator	B	Metal	Off-White	Intact		
224	Second	413	0.01	Ceiling	Center	Plaster	Off-White	Intact		
224	Second	414	0.01	Shelf	A	Wood	Clear	Intact		
224	Second	415	0	Cabinet	D	Wood	Clear	Intact		
223	Second	416	0	Door	D	Wood	Clear	Intact		
223	Second	417	0.14	Door Frame	D	Metal	Gray	Intact		
223	Second	418	0.01	Wall	A	Cinderblock	Off-White	Intact		
223	Second	419	0	Wall	C	Cinderblock	Off-White	Intact		
223	Second	420	0.02	Wall	D	Cinderblock	Off-White	Intact		
223	Second	421	0.02	Wall	B	Metal	Off-White	Intact		
223	Second	422	0.01	Radiator	B	Metal	Off-White	Intact		
223	Second	423	0.02	Ceiling	Center	Plaster	Off-White	Intact		
223	Second	424	0.01	Shelf	C	Wood	Clear	Intact		
223	Second	425	0	Cabinet	D	Wood	Clear	Intact		
222	Second	426	0	Door	D	Wood	Clear	Intact		
222	Second	427	0.09	Door Frame	D	Metal	Gray	Intact		
222	Second	428	0.01	Wall	A	Cinderblock	Off-White	Intact		
222	Second	429	0.03	Wall	C	Wallboard	Off-White	Intact		
222	Second	430	0.04	Wall	C	Metal	Off-White	Intact		
222	Second	431	0.06	Radiator	C	Metal	Off-White	Intact		
222	Second	432	0	Ceiling	Center	Plaster	Off-White	Intact		
222	Second	433	0.01	Cabinet	D	Wood	Clear	Intact		
227	Second	434	0.01	Door	B	Wood	Clear	Intact		
227	Second	435	0.13	Door Frame	B	Metal	Gray	Intact		
232	Second	438	0.06	Door	B	Wood	Clear	Intact		
232	Second	439	0.28	Door Frame	B	Metal	Gray	Intact		
232	Second	440	0.04	Wall	D	Plaster	Off-White	Intact		
233	Second	442	0.01	Door	B	Wood	Clear	Intact		
233	Second	444	0.05	Wall	D	Plaster	Off-White	Intact		
301	Third	445	0.06	Wall	A	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
301	Third	446	0.14	Wall	B	Cinderblock	Off-White	Intact		
301	Third	447	0.04	Wall	C	Cinderblock	Off-White	Intact		
301	Third	448	0.22	Wall	D	Cinderblock	Off-White	Intact		
301	Third	449	0.07	Ceiling	Center	Cinderblock	Off-White	Intact		
335	Third	450	0	Door	A	Wood	Clear	Intact		
335	Third	451	0.23	Door Frame	A	Metal	Gray	Intact		
335	Third	452	0.1	Wall	A	Cinderblock	Off-White	Intact		
335	Third	453	0.1	Wall	C	Cinderblock	Off-White	Intact		
335	Third	454	0.07	Wall	D	Cinderblock	Off-White	Intact		
335	Third	455	0.09	Ceiling	Center	Plaster	Off-White	Intact		
335	Third	456	0.01	Cabinet	B	Wood	Brown	Intact		
335	Third	457	0	Pipe	C	Metal	Off-White	Intact		
306	Third	458	0	Door	A	Metal	Gray	Intact		
306	Third	459	0.3	Door Frame	A	Metal	Gray	Intact		
306	Third	460	0.17	Door Frame	C	Metal	Gray	Intact		
306	Third	461	0	Wall	B	Cinderblock	Off-White	Intact		
306	Third	462	0.02	Wall	D	Cinderblock	Off-White	Intact		
306	Third	463	0.04	Ceiling	Center	Plaster	Off-White	Intact		
306	Third	464	0.01	Radiator	B	Metal	Gray	Intact		
306	Third	465	0	Access Panel	B	Metal	Gray	Intact		
306	Third	466	0.01	Wall	D	Wood	Clear	Intact		
302	Third	467	0	Door	D	Wood	Clear	Intact		
302	Third	468	0.27	Door Frame	D	Metal	Gray	Intact		
302	Third	469	0.02	Wall	A	Cinderblock	Off-White	Intact		
302	Third	470	0.04	Wall	B	Cinderblock	Off-White	Intact		
302	Third	471	0.02	Wall	C	Cinderblock	Off-White	Intact		
302	Third	472	0.06	Wall	D	Cinderblock	Off-White	Intact		
302	Third	473	0.04	Wall	B	Metal	Off-White	Intact		
302	Third	474	0.02	Radiator	B	Metal	Off-White	Intact		
302	Third	475	0.02	Ceiling	Center	Plaster	Off-White	Intact		
302	Third	476	0	Shelf	A	Wood	Clear	Intact		
302	Third	477	0	Shelf	D	Wood	Off-White	Intact		
303	Third	478	0	Door	D	Wood	Clear	Intact		
303	Third	479	0.15	Door Frame	D	Metal	Gray	Intact		
303	Third	480	0.01	Wall	A	Cinderblock	Off-White	Intact		
303	Third	481	0.03	Wall	C	Cinderblock	Off-White	Intact		
303	Third	482	0.02	Wall	D	Cinderblock	Off-White	Intact		
303	Third	483	0.04	Wall	B	Metal	Off-White	Intact		
303	Third	484	0.05	Radiator	B	Metal	Off-White	Intact		
303	Third	485	0.01	Ceiling	Center	Plaster	Off-White	Intact		
303	Third	486	0	Shelf	C	Wood	Clear	Intact		
303	Third	487	0	Cabinet	D	Wood	Clear	Intact		
304	Third	488	0	Door	D	Wood	Clear	Intact		
304	Third	489	0.19	Door Frame	D	Metal	Off-White	Intact		
304	Third	490	0.1	Wall	A	Cinderblock	Off-White	Intact		
304	Third	491	0.02	Wall	B	Cinderblock	Off-White	Intact		
304	Third	492	0.04	Wall	C	Cinderblock	Off-White	Intact		
304	Third	493	0.02	Wall	D	Cinderblock	Off-White	Intact		
304	Third	494	0.01	Wall	B	Metal	Off-White	Intact		
304	Third	495	0.11	Radiator	B	Metal	Off-White	Intact		
304	Third	496	0.03	Ceiling	Center	Plaster	Off-White	Intact		
304	Third	497	0	Shelf	A	Wood	Clear	Intact		
304	Third	498	0	Cabinet	A	Wood	Clear	Intact		
305	Third	499	0.02	Door	A	Wood	Clear	Intact		
305	Third	500	0.4	Door Frame	A	Metal	Gray	Intact		
305	Third	501	0	Wall	A	Wallboard	Off-White	Intact		
305	Third	502	0.04	Wall	C	Cinderblock	Off-White	Intact		
305	Third	503	0	Wall	B	Metal	Off-White	Intact		
305	Third	504	0.03	Radiator	B	Metal	Off-White	Intact		
305	Third	505	0.04	Column	A	Concrete	Off-White	Intact		
305	Third	506	0.06	Ceiling	Center	Plaster	Off-White	Intact		
305	Third	507	0	Cabinet	D	Wood	Clear	Intact		
343	Third	508	0	Door	B	Wood	Clear	Intact		
343	Third	509	0.25	Door Frame	B	Metal	Gray	Intact		
343	Third	510	0.21	Wall	C	Cinderblock	Off-White	Intact		
343	Third	511	0.04	Ceiling	Center	Plaster	Off-White	Intact		
343	Third	512	0	Shelf	D	Wood	Off-White	Intact		
342	Third	513	0	Door	B	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
342	Third	514	0.2	Door Frame	B	Metal	Gray	Intact		
342	Third	515	0	Ceiling	Center	Plaster	Off-White	Intact		
342	Third	516	0	Wall	D	Plaster	Off-White	Intact		
336	Third	518	0.01	Door	B	Wood	Clear	Intact		
336	Third	519	0.14	Door Frame	B	Metal	Gray	Intact		
336	Third	520	0	Wall	D	Plaster	Off-White	Intact		
308	Third	522	0	Door	A	Metal	Gray	Intact		
308	Third	523	0.24	Door Frame	A	Metal	Gray	Intact		
308	Third	524	0.26	Door Frame	C	Metal	Gray	Intact		
308	Third	525	0.06	Wall	B	Cinderblock	Off-White	Intact		
308	Third	526	0.07	Wall	D	Cinderblock	Off-White	Intact		
308	Third	527	0.04	Ceiling	Center	Plaster	Off-White	Intact		
308	Third	528	0.05	Radiator	D	Metal	Gray	Intact		
308	Third	529	0	Access Panel	D	Metal	Gray	Intact		
308	Third	530	0	Wall	B	Wood	Clear	Intact		
308	Third	531	0.12	Access Panel	B	Metal	Off-White	Intact		
313	Third	532	0	Door	B	Wood	Clear	Intact		
313	Third	533	0.21	Door Frame	B	Metal	Gray	Intact		
313	Third	534	0.02	Wall	A	Cinderblock	Off-White	Intact		
313	Third	535	0.02	Wall	B	Cinderblock	Off-White	Intact		
313	Third	536	0.1	Wall	C	Cinderblock	Off-White	Intact		
313	Third	537	0.04	Ceiling	Center	Plaster	Off-White	Intact		
313	Third	538	0.02	Wall	D	Metal	Off-White	Intact		
313	Third	539	0.05	Radiator	D	Metal	Off-White	Intact		
313	Third	540	0	Shelf	A	Wood	Clear	Intact		
313	Third	541	0	Cabinet	B	Wood	Clear	Intact		
312	Third	542	0	Door	B	Wood	Clear	Intact		
312	Third	544	0.03	Wall	A	Cinderblock	Off-White	Intact		
312	Third	545	0.02	Wall	B	Cinderblock	Off-White	Intact		
312	Third	546	0.02	Wall	C	Cinderblock	Off-White	Intact		
312	Third	547	0.02	Ceiling	Center	Plaster	Off-White	Intact		
312	Third	548	0.01	Wall	D	Metal	Off-White	Intact		
312	Third	549	0.01	Radiator	D	Metal	Off-White	Intact		
312	Third	550	0	Shelf	C	Wood	Clear	Intact		
312	Third	551	0	Cabinet	B	Wood	Clear	Intact		
311	Third	552	0	Door	B	Wood	Clear	Intact		
311	Third	553	0.18	Door Frame	B	Metal	Gray	Intact		
311	Third	554	0.01	Wall	A	Cinderblock	Off-White	Intact		
311	Third	555	0.03	Wall	B	Cinderblock	Off-White	Intact		
311	Third	556	0.01	Wall	C	Cinderblock	Off-White	Intact		
311	Third	557	0.02	Wall	D	Metal	Off-White	Intact		
311	Third	558	0.07	Radiator	D	Metal	Off-White	Intact		
311	Third	559	0.01	Ceiling	Center	Plaster	Off-White	Intact		
311	Third	560	0.12	Shelf	A	Wood	Clear	Intact		
311	Third	561	0.01	Cabinet	B	Wood	Clear	Intact		
309	Third	562	0	Door	B	Wood	Clear	Intact		
309	Third	563	0.19	Door Frame	B	Metal	Gray	Intact		
309	Third	564	0.09	Wall	A	Wallboard	Off-White	Intact		
309	Third	565	0.08	Wall	C	Cinderblock	Off-White	Intact		
309	Third	566	0.02	Wall	B	Metal	Off-White	Intact		
309	Third	567	0.07	Radiator	D	Metal	Off-White	Intact		
309	Third	568	0.01	Ceiling	Center	Plaster	Off-White	Intact		
309	Third	569	0.01	Cabinet	B	Wood	Clear	Intact		
344	Third	570	0	Door	D	Wood	Clear	Intact		
344	Third	571	0.23	Door Frame	D	Metal	Gray	Intact		
344	Third	572	0.07	Wall	D	Cinderblock	Off-White	Intact		
344	Third	573	0.08	Shelf	B	Wood	Off-White	Intact		
338	Third	574	0.01	Door	D	Wood	Clear	Intact		
338	Third	576	0.01	Wall	B	Plaster	Off-White	Intact		
338	Third	578	0.01	Floor	Center	Ceramic	Off-White	Intact		
337	Third	579	0.01	Door	D	Wood	Clear	Intact		
337	Third	580	0.28	Door Frame	D	Metal	Gray	Intact		
337	Third	581	0.05	Wall	B	Plaster	Off-White	Intact		
337	Third	582	0.03	Ceiling	Center	Plaster	Off-White	Intact		
318	Third	583	0.07	Door Frame	A	Metal	Gray	Intact		
318	Third	584	0	Door	C	Metal	Gray	Intact		
318	Third	585	0.24	Door Frame	C	Metal	Gray	Intact		
318	Third	586	0.08	Wall	B	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
318	Third	587	0.12	Wall	D	Cinderblock	Off-White	Intact		
318	Third	588	0.2	Ceiling	Center	Plaster	Off-White	Intact		
318	Third	589	0.09	Radiator	D	Metal	Gray	Intact		
318	Third	590	0	Access Panel	D	Metal	Gray	Intact		
314	Third	591	0.01	Door	B	Wood	Clear	Intact		
314	Third	592	0.23	Door Frame	B	Metal	Gray	Intact		
314	Third	593	0.03	Wall	A	Cinderblock	Gray	Intact		
314	Third	594	0.02	Wall	B	Cinderblock	Gray	Intact		
314	Third	595	0.12	Wall	C	Cinderblock	Gray	Intact		
314	Third	596	0.25	Wall	D	Metal	Off-White	Intact		
314	Third	597	0.03	Radiator	D	Metal	Off-White	Intact		
314	Third	598	0.06	Ceiling	Center	Plaster	Off-White	Intact		
314	Third	599	0.02	Shelf	C	Wood	Clear	Intact		
314	Third	600	0.04	Cabinet	B	Wood	Clear	Intact		
315	Third	601	0	Door	B	Wood	Clear	Intact		
315	Third	602	0.29	Door Frame	B	Metal	Gray	Intact		
315	Third	603	0.03	Wall	A	Cinderblock	Off-White	Intact		
315	Third	604	0.02	Wall	B	Cinderblock	Off-White	Intact		
315	Third	605	0.03	Wall	C	Cinderblock	Off-White	Intact		
315	Third	606	0.01	Wall	D	Metal	Off-White	Intact		
315	Third	607	0.03	Radiator	D	Metal	Off-White	Intact		
315	Third	608	0.07	Ceiling	Center	Plaster	Off-White	Intact		
315	Third	609	0.06	Shelf	A	Wood	Clear	Intact		
315	Third	610	0.03	Cabinet	B	Wood	Clear	Intact		
316	Third	611	0	Door	B	Wood	Clear	Intact		
316	Third	612	0.12	Door Frame	B	Metal	Gray	Intact		
316	Third	613	0.02	Wall	A	Cinderblock	Off-White	Intact		
316	Third	614	0.02	Wall	B	Cinderblock	Off-White	Intact		
316	Third	615	0.02	Wall	C	Cinderblock	Off-White	Intact		
316	Third	616	0.02	Wall	D	Metal	Off-White	Intact		
316	Third	617	0.03	Radiator	D	Metal	Off-White	Intact		
316	Third	618	0	Shelf	C	Wood	Clear	Intact		
316	Third	619	0	Cabinet	B	Wood	Clear	Intact		
317	Third	620	0.01	Door	B	Wood	Clear	Intact		
317	Third	621	0.26	Door Frame	B	Metal	Gray	Intact		
317	Third	623	0.02	Wall	C	Wallboard	Beige	Intact		
317	Third	624	0.05	Wall	D	Metal	Off-White	Intact		
317	Third	625	0.07	Radiator	D	Metal	Off-White	Intact		
317	Third	626	0.02	Ceiling	Center	Plaster	Off-White	Intact		
317	Third	627	0	Cabinet	B	Wood	Clear	Intact		
326	Third	628	0.01	Door	D	Wood	Clear	Intact		
326	Third	629	0.18	Door Frame	D	Metal	Gray	Intact		
326	Third	630	0.12	Wall	D	Cinderblock	Off-White	Intact		
326	Third	632	0.07	Ceiling	Center	Plaster	Off-White	Intact		
328	Third	633	0	Door	D	Wood	Clear	Intact		
328	Third	635	0	Wall	B	Plaster	Off-White	Intact		
334	Third	637	0.01	Door	D	Wood	Clear	Intact		
334	Third	638	0.16	Door Frame	D	Metal	Gray	Intact		
334	Third	639	0.11	Wall	D	Plaster	Off-White	Intact		
321	Third	640	0.19	Door Frame	A	Metal	Gray	Intact		
321	Third	641	0	Door	C	Metal	Gray	Intact		
321	Third	644	0.15	Wall	D	Cinderblock	Off-White	Intact		
321	Third	645	0.2	Ceiling	Center	Plaster	Off-White	Intact		
321	Third	646	0.02	Radiator	B	Metal	Gray	Intact		
321	Third	647	0	Access Panel	B	Metal	Gray	Intact		
321	Third	648	0	Wall	D	Wood	Clear	Intact		
325	Third	649	0	Door	D	Wood	Clear	Intact		
325	Third	650	0.21	Door Frame	D	Metal	Gray	Intact		
325	Third	651	0.04	Wall	A	Cinderblock	Off-White	Intact		
325	Third	652	0.03	Wall	B	Cinderblock	Off-White	Intact		
325	Third	653	0.01	Wall	C	Cinderblock	Off-White	Intact		
325	Third	654	0.01	Wall	D	Cinderblock	Off-White	Intact		
325	Third	655	0.02	Wall	B	Metal	Off-White	Intact		
325	Third	656	0.01	Radiator	B	Metal	Off-White	Intact		
325	Third	657	0	Shelf	A	Wood	Clear	Intact		
325	Third	658	0	Cabinet	D	Wood	Clear	Intact		
324	Third	659	0.02	Door	D	Wood	Clear	Intact		
324	Third	660	0.2	Door Frame	D	Metal	Gray	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
324	Third	661	0.14	Wall	A	Cinderblock	Off-White	Intact		
324	Third	662	0.05	Wall	C	Cinderblock	Off-White	Intact		
324	Third	663	0.07	Wall	D	Cinderblock	Off-White	Intact		
324	Third	664	0.01	Wall	B	Metal	Off-White	Intact		
324	Third	665	0.01	Radiator	B	Metal	Off-White	Intact		
324	Third	666	0.01	Ceiling	Center	Plaster	Off-White	Intact		
324	Third	667	0	Shelf	C	Wood	Clear	Intact		
324	Third	668	0	Cabinet	D	Wood	Clear	Intact		
323	Third	669	0	Door	D	Wood	Clear	Intact		
323	Third	670	0.15	Door Frame	D	Metal	Gray	Intact		
323	Third	671	0.04	Wall	A	Cinderblock	Off-White	Intact		
323	Third	672	0.03	Wall	C	Cinderblock	Off-White	Intact		
323	Third	673	0.03	Wall	D	Cinderblock	Off-White	Intact		
323	Third	674	0.06	Wall	B	Metal	Off-White	Intact		
323	Third	675	0.02	Radiator	B	Metal	Off-White	Intact		
323	Third	676	0.07	Ceiling	Center	Plaster	Off-White	Intact		
323	Third	677	0	Shelf	A	Wood	Clear	Intact		
323	Third	678	0	Cabinet	D	Wood	Clear	Intact		
322	Third	679	0	Door	D	Wood	Clear	Intact		
322	Third	680	0.19	Door Frame	D	Metal	Gray	Intact		
322	Third	681	0.24	Wall	A	Cinderblock	Off-White	Intact		
322	Third	682	0.03	Wall	C	Wallboard	Off-White	Intact		
322	Third	683	0.04	Wall	B	Metal	Off-White	Intact		
322	Third	684	0.1	Radiator	B	Metal	Off-White	Intact		
322	Third	685	0.01	Ceiling	Center	Plaster	Off-White	Intact		
322	Third	686	0.01	Cabinet	C	Wood	Clear	Intact		
327	Third	687	0.15	Door	B	Wood	Clear	Intact		
327	Third	688	0.08	Door Frame	B	Metal	Gray	Intact		
327	Third	689	0.11	Wall	B	Cinderblock	Off-White	Intact		
327	Third	690	0	Shelf	D	Wood	Off-White	Intact		
327	Third	691	0.04	Ceiling	Center	Plaster	Off-White	Intact		
332	Third	692	0	Door	B	Wood	Clear	Intact		
332	Third	694	0.02	Wall	B	Plaster	Off-White	Intact		
332	Third	696	0.08	Ceiling	Center	Plaster	Off-White	Intact		
333	Third	697	0.01	Door	B	Wood	Off-White	Intact		
333	Third	698	0.15	Door Frame	B	Metal	Gray	Intact		
333	Third	699	0.12	Wall	D	Plaster	Off-White	Intact		
333	Third	700	0.05	Ceiling	Center	Plaster	Off-White	Intact		
401	Fourth	702	0.05	Wall	B	Cinderblock	Off-White	Intact		
401	Fourth	704	0.07	Wall	D	Cinderblock	Off-White	Intact		
401	Fourth	705	0	Ceiling	Center	Plaster	Off-White	Intact		
435	Fourth	706	0	Door	A	Wood	Clear	Intact		
435	Fourth	707	0.21	Door Frame	A	Metal	Gray	Intact		
435	Fourth	708	0.4	Wall	A	Cinderblock	Cream	Intact		
435	Fourth	709	0.08	Wall	C	Cinderblock	Cream	Intact		
435	Fourth	710	0.25	Wall	D	Cinderblock	Cream	Intact		
435	Fourth	711	0.1	Ceiling	Center	Plaster	Cream	Intact		
435	Fourth	712	0.07	Ladder	C	Metal	Cream	Intact		
435	Fourth	713	0.01	Hatch	Center	Metal	Gray	Intact		
435	Fourth	714	0	Cabinet	C	Wood	Brown	Intact		
435	Fourth	715	0.03	Pipe	A	Paper	Cream	Intact		
406	Fourth	716	0	Door	A	Metal	Gray	Intact		
406	Fourth	717	0.2	Door Frame	A	Metal	Gray	Intact		
406	Fourth	718	0.17	Door Frame	C	Metal	Gray	Intact		
406	Fourth	720	0.04	Wall	D	Cinderblock	Off-White	Intact		
406	Fourth	721	0.04	Ceiling	Center	Plaster	Off-White	Intact		
406	Fourth	722	0.01	Radiator	B	Metal	Gray	Intact		
406	Fourth	723	0	Access Panel	B	Metal	Gray	Intact		
402	Fourth	724	0	Door	D	Wood	Clear	Intact		
402	Fourth	726	0.06	Wall	A	Cinderblock	Off-White	Intact		
402	Fourth	727	0.02	Wall	C	Cinderblock	Off-White	Intact		
402	Fourth	728	0.02	Wall	D	Cinderblock	Off-White	Intact		
402	Fourth	729	0.01	Wall	B	Metal	Off-White	Intact		
402	Fourth	730	0.01	Radiator	B	Metal	Off-White	Intact		
402	Fourth	731	0.06	Ceiling	Center	Plaster	Off-White	Intact		
402	Fourth	732	0.01	Shelf	A	Wood	Clear	Intact		
402	Fourth	733	0.01	Cabinet	D	Wood	Clear	Intact		
403	Fourth	734	0	Door	D	Wood	Clear	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
403	Fourth	735	0.13	Door Frame	D	Metal	Gray	Intact		
403	Fourth	736	0.01	Wall	A	Cinderblock	Off-White	Intact		
403	Fourth	737	0.03	Wall	C	Cinderblock	Off-White	Intact		
403	Fourth	738	0.05	Wall	D	Cinderblock	Off-White	Intact		
403	Fourth	739	0.01	Wall	B	Metal	Off-White	Intact		
403	Fourth	740	0.06	Radiator	B	Metal	Off-White	Intact		
403	Fourth	741	0.02	Ceiling	Center	Plaster	Off-White	Intact		
403	Fourth	742	0	Shelf	C	Wood	Clear	Intact		
403	Fourth	743	0	Cabinet	D	Wood	Clear	Intact		
404	Fourth	744	0	Door	D	Wood	Clear	Intact		
404	Fourth	745	0.07	Door Frame	D	Metal	Gray	Intact		
404	Fourth	746	0.02	Wall	A	Cinderblock	Off-White	Intact		
404	Fourth	747	0.06	Wall	C	Cinderblock	Off-White	Intact		
404	Fourth	748	0.03	Wall	D	Cinderblock	Off-White	Intact		
404	Fourth	749	0.07	Wall	B	Metal	Off-White	Intact		
404	Fourth	750	0.05	Radiator	B	Metal	Off-White	Intact		
404	Fourth	751	0.09	Ceiling	Center	Plaster	Off-White	Intact		
404	Fourth	752	0	Shelf	A	Wood	Clear	Intact		
404	Fourth	753	0	Cabinet	D	Wood	Clear	Intact		
405	Fourth	754	0	Door	D	Wood	Clear	Intact		
405	Fourth	755	0.15	Door Frame	D	Metal	Gray	Intact		
405	Fourth	756	0.09	Wall	A	Wallboard	Off-White	Intact		
405	Fourth	757	0.01	Wall	C	Cinderblock	Off-White	Intact		
405	Fourth	758	0.02	Wall	B	Metal	Off-White	Intact		
405	Fourth	759	0.01	Radiator	B	Metal	Off-White	Intact		
405	Fourth	760	0	Ceiling	Center	Plaster	Off-White	Intact		
405	Fourth	761	0.01	Cabinet	D	Wood	Clear	Intact		
443	Fourth	762	0	Door	B	Wood	Clear	Intact		
443	Fourth	764	0.06	Wall	B	Cinderblock	Off-White	Intact		
443	Fourth	765	0.07	Ceiling	Center	Plaster	Off-White	Intact		
443	Fourth	766	0	Shelf	D	Wood	Off-White	Intact		
442	Fourth	767	0	Door	B	Wood	Clear	Intact		
442	Fourth	768	0.21	Door Frame	B	Metal	Gray	Intact		
442	Fourth	769	0.01	Wall	D	Plaster	Off-White	Intact		
442	Fourth	771	0	Ceiling	Center	Plaster	Off-White	Intact		
436	Fourth	772	0.03	Door	B	Wood	Clear	Intact		
436	Fourth	773	0.12	Door Frame	B	Metal	Gray	Intact		
436	Fourth	774	0.03	Wall	D	Plaster	Off-White	Intact		
408	Fourth	775	0	Door	A	Metal	Gray	Intact		
408	Fourth	777	0.22	Door Frame	C	Metal	Gray	Intact		
408	Fourth	778	0.07	Wall	B	Cinderblock	Off-White	Intact		
408	Fourth	779	0.05	Wall	D	Cinderblock	Off-White	Intact		
408	Fourth	780	0.08	Ceiling	Center	Plaster	Off-White	Intact		
408	Fourth	781	0.01	Radiator	D	Metal	Gray	Intact		
408	Fourth	782	0.01	Access Panel	D	Metal	Gray	Intact		
408	Fourth	783	0	Wall	B	Wood	Clear	Intact		
413	Fourth	784	0	Door	B	Wood	Clear	Intact		
413	Fourth	786	0.02	Wall	A	Cinderblock	Off-White	Intact		
413	Fourth	787	0.02	Wall	B	Cinderblock	Off-White	Intact		
413	Fourth	788	0.01	Wall	C	Cinderblock	Off-White	Intact		
413	Fourth	789	0.07	Wall	D	Metal	Off-White	Intact		
413	Fourth	790	0.01	Radiator	D	Metal	Off-White	Intact		
413	Fourth	791	0.16	Ceiling	Center	Plaster	Off-White	Intact		
413	Fourth	792	0	Shelf	A	Wood	Clear	Intact		
413	Fourth	793	0	Cabinet	B	Wood	Clear	Intact		
412	Fourth	794	0	Door	B	Wood	Clear	Intact		
412	Fourth	795	0.25	Door Frame	B	Metal	Gray	Intact		
412	Fourth	796	0.04	Wall	A	Cinderblock	Off-White	Intact		
412	Fourth	797	0.01	Wall	B	Cinderblock	Off-White	Intact		
412	Fourth	798	0.01	Wall	C	Cinderblock	Off-White	Intact		
412	Fourth	800	0.03	Radiator	D	Metal	Off-White	Intact		
412	Fourth	801	0.03	Ceiling	Center	Plaster	Off-White	Intact		
412	Fourth	802	0	Shelf	C	Wood	Clear	Intact		
412	Fourth	803	0	Cabinet	B	Wood	Clear	Intact		
411	Fourth	804	0	Door	B	Wood	Clear	Intact		
411	Fourth	805	0.18	Door Frame	B	Metal	Gray	Intact		
411	Fourth	806	0.02	Wall	A	Cinderblock	Off-White	Intact		
411	Fourth	807	0.01	Wall	B	Cinderblock	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
411	Fourth	808	0.02	Wall	C	Cinderblock	Off-White	Intact		
411	Fourth	809	0.01	Wall	D	Metal	Off-White	Intact		
411	Fourth	810	0.01	Radiator	D	Metal	Off-White	Intact		
411	Fourth	811	0.01	Ceiling	Center	Plaster	Off-White	Intact		
411	Fourth	812	0	Shelf	A	Wood	Clear	Intact		
411	Fourth	813	0	Shelf	A	Wood	Clear	Intact		
411	Fourth	814	0	Cabinet	B	Wood	Clear	Intact		
409	Fourth	815	0	Door	B	Wood	Clear	Intact		
409	Fourth	817	0.05	Wall	A	Wallboard	Off-White	Intact		
409	Fourth	818	0.07	Wall	C	Cinderblock	Off-White	Intact		
409	Fourth	819	0.01	Wall	D	Metal	Off-White	Intact		
409	Fourth	820	0.06	Radiator	D	Metal	Off-White	Intact		
409	Fourth	821	0	Cabinet	B	Wood	Clear	Intact		
444	Fourth	822	0	Door	D	Wood	Clear	Intact		
444	Fourth	823	0.19	Door Frame	D	Metal	Gray	Intact		
444	Fourth	824	0.06	Door Frame	D	Cinderblock	Off-White	Intact		
444	Fourth	825	0	Shelf	B	Wood	Off-White	Intact		
438	Fourth	826	0.01	Door	D	Wood	Clear	Intact		
438	Fourth	827	0.27	Door Frame	D	Metal	Gray	Intact		
438	Fourth	828	0.05	Wall	D	Plaster	Off-White	Intact		
438	Fourth	830	0.02	Ceiling	Center	Plaster	Off-White	Intact		
437	Fourth	831	0	Door	D	Wood	Clear	Intact		
437	Fourth	832	0.26	Door Frame	D	Metal	Gray	Intact		
437	Fourth	833	0.12	Wall	D	Plaster	Off-White	Intact		
418	Fourth	834	0.19	Door Frame	A	Metal	Gray	Intact		
418	Fourth	835	0	Door	C	Metal	Gray	Intact		
418	Fourth	836	0.14	Door Frame	C	Metal	Gray	Intact		
418	Fourth	838	0.05	Wall	D	Cinderblock	Off-White	Intact		
418	Fourth	839	0.06	Ceiling	Center	Plaster	Off-White	Intact		
418	Fourth	840	0.02	Radiator	D	Metal	Gray	Intact		
418	Fourth	841	0	Access Panel	D	Metal	Gray	Intact		
414	Fourth	842	0	Door	B	Wood	Clear	Intact		
414	Fourth	843	0.24	Door Frame	B	Metal	Gray	Intact		
414	Fourth	844	0.01	Wall	A	Cinderblock	Off-White	Intact		
414	Fourth	845	0.03	Wall	B	Cinderblock	Off-White	Intact		
414	Fourth	846	0.01	Wall	C	Cinderblock	Off-White	Intact		
414	Fourth	847	0.02	Wall	D	Metal	Off-White	Intact		
414	Fourth	848	0.02	Radiator	D	Metal	Off-White	Intact		
414	Fourth	849	0.03	Ceiling	Center	Plaster	Off-White	Intact		
414	Fourth	850	0.22	Shelf	A	Wood	Clear	Intact		
414	Fourth	851	0	Cabinet	B	Wood	Clear	Intact		
415	Fourth	852	0	Door	B	Wood	Clear	Intact		
415	Fourth	853	0.26	Door Frame	B	Metal	Gray	Intact		
415	Fourth	854	0.17	Wall	A	Cinderblock	Off-White	Intact		
415	Fourth	855	0.01	Wall	B	Cinderblock	Off-White	Intact		
415	Fourth	856	0.07	Wall	C	Cinderblock	Off-White	Intact		
415	Fourth	857	0.02	Wall	D	Metal	Off-White	Intact		
415	Fourth	858	0.02	Radiator	D	Metal	Off-White	Intact		
415	Fourth	859	0.01	Ceiling	Center	Plaster	Off-White	Intact		
415	Fourth	860	0.01	Shelf	C	Wood	Clear	Intact		
415	Fourth	861	0	Cabinet	B	Wood	Clear	Intact		
416	Fourth	862	0	Door	B	Wood	Clear	Intact		
416	Fourth	863	0.13	Door Frame	B	Metal	Gray	Intact		
416	Fourth	864	0.01	Wall	A	Cinderblock	Off-White	Intact		
416	Fourth	865	0.03	Wall	B	Cinderblock	Off-White	Intact		
416	Fourth	866	0.01	Wall	C	Cinderblock	Off-White	Intact		
416	Fourth	867	0.06	Wall	D	Metal	Off-White	Intact		
416	Fourth	868	0.01	Radiator	D	Metal	Off-White	Intact		
416	Fourth	869	0.01	Ceiling	Center	Plaster	Off-White	Intact		
416	Fourth	870	0	Shelf	A	Wood	Clear	Intact		
416	Fourth	871	0	Cabinet	B	Wood	Clear	Intact		
417	Fourth	872	0	Door	B	Wood	Clear	Intact		
417	Fourth	873	0.25	Door Frame	B	Metal	Gray	Intact		
417	Fourth	874	0.28	Wall	A	Cinderblock	Off-White	Intact		
417	Fourth	875	0	Wall	C	Wallboard	Off-White	Intact		
417	Fourth	876	0.01	Wall	D	Metal	Off-White	Intact		
417	Fourth	877	0.01	Radiator	D	Metal	Off-White	Intact		
417	Fourth	878	0.01	Ceiling	Center	Plaster	Off-White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
417	Fourth	879	0	Cabinet	B	Wood	Clear	Intact		
426	Fourth	880	0.02	Door	D	Wood	Clear	Intact		
426	Fourth	881	0.24	Door Frame	D	Metal	Gray	Intact		
426	Fourth	882	0.05	Wall	D	Cinderblock	Off-White	Intact		
426	Fourth	883	0.08	Ceiling	Center	Plaster	Off-White	Intact		
426	Fourth	884	0.01	Shelf	B	Wood	Off-White	Intact		
428	Fourth	885	0.01	Door	D	Wood	Clear	Intact		
428	Fourth	887	0	Wall	B	Plaster	Off-White	Intact		
434	Fourth	889	0.02	Door	D	Wood	Clear	Intact		
434	Fourth	890	0.15	Door Frame	D	Metal	Gray	Intact		
434	Fourth	891	0.08	Wall	D	Plaster	Off-White	Intact		
421	Fourth	892	0.21	Door Frame	A	Metal	Gray	Intact		
421	Fourth	893	0	Door	C	Metal	Gray	Intact		
421	Fourth	894	0.28	Door Frame	C	Metal	Gray	Intact		
421	Fourth	895	0.03	Wall	B	Cinderblock	Off-White	Intact		
421	Fourth	896	0.05	Wall	D	Cinderblock	Off-White	Intact		
421	Fourth	898	0.02	Radiator	B	Metal	Gray	Intact		
421	Fourth	899	0.03	Access Panel	B	Metal	Gray	Intact		
425	Fourth	900	0	Door	D	Wood	Clear	Intact		
425	Fourth	901	0.08	Door Frame	D	Metal	Gray	Intact		
425	Fourth	902	0.08	Wall	A	Cinderblock	Off-White	Intact		
425	Fourth	903	0.01	Wall	C	Cinderblock	Off-White	Intact		
425	Fourth	904	0.01	Wall	D	Cinderblock	Off-White	Intact		
425	Fourth	905	0.02	Wall	B	Metal	Off-White	Intact		
425	Fourth	906	0.01	Radiator	B	Metal	Off-White	Intact		
425	Fourth	907	0.01	Shelf	A	Wood	Clear	Intact		
425	Fourth	908	0	Cabinet	D	Wood	Clear	Intact		
424	Fourth	909	0	Door	D	Wood	Clear	Intact		
424	Fourth	911	0.22	Door Frame	D	Metal	Gray	Intact		
424	Fourth	912	0.03	Wall	A	Cinderblock	Off-White	Intact		
424	Fourth	913	0.04	Wall	C	Cinderblock	Off-White	Intact		
424	Fourth	914	0.13	Wall	D	Cinderblock	Off-White	Intact		
424	Fourth	915	0.02	Wall	B	Metal	Off-White	Intact		
424	Fourth	916	0.02	Radiator	B	Metal	Off-White	Intact		
424	Fourth	917	0.01	Ceiling	Center	Plaster	Off-White	Intact		
424	Fourth	918	0.01	Shelf	C	Wood	Clear	Intact		
424	Fourth	919	0	Cabinet	D	Wood	Clear	Intact		
423	Fourth	920	0	Door	D	Wood	Clear	Intact		
423	Fourth	921	0.21	Door Frame	D	Metal	Gray	Intact		
423	Fourth	922	0.15	Wall	A	Cinderblock	Off-White	Intact		
423	Fourth	923	0.04	Wall	C	Cinderblock	Off-White	Intact		
423	Fourth	924	0.02	Wall	D	Cinderblock	Off-White	Intact		
423	Fourth	925	0	Wall	B	Metal	Off-White	Intact		
423	Fourth	926	0.01	Radiator	B	Metal	Off-White	Intact		
423	Fourth	927	0.02	Ceiling	Center	Plaster	Off-White	Intact		
423	Fourth	928	0	Shelf	A	Wood	Clear	Intact		
423	Fourth	929	0	Cabinet	D	Wood	Clear	Intact		
422	Fourth	930	0	Door	D	Wood	Clear	Intact		
422	Fourth	931	0.17	Door Frame	D	Metal	Gray	Intact		
422	Fourth	932	0.07	Wall	A	Cinderblock	Off-White	Intact		
422	Fourth	933	0.04	Wall	C	Wallboard	Off-White	Intact		
422	Fourth	934	0.05	Wall	B	Metal	Off-White	Intact		
422	Fourth	935	0.01	Radiator	B	Metal	Off-White	Intact		
422	Fourth	936	0.04	Ceiling	Center	Plaster	Off-White	Intact		
422	Fourth	937	0	Cabinet	D	Wood	Clear	Intact		
427	Fourth	938	0.02	Door	B	Wood	Clear	Intact		
427	Fourth	940	0.08	Wall	A	Cinderblock	Off-White	Intact		
427	Fourth	941	0.08	Ceiling	Center	Plaster	Off-White	Intact		
427	Fourth	942	0.04	Shelf	D	Wood	Off-White	Intact		
432	Fourth	943	0.01	Door	B	Wood	Off-White	Intact		
432	Fourth	944	0.27	Door Frame	B	Metal	Gray	Intact		
432	Fourth	945	0	Wall	D	Plaster	Off-White	Intact		
433	Fourth	947	0.03	Door	B	Wood	Clear	Intact		
433	Fourth	948	0.25	Door Frame	B	Metal	Gray	Intact		
433	Fourth	949	0.07	Wall	D	Plaster	Off-White	Intact		
433	Fourth	950	0.06	Ceiling	Center	Plaster	Off-White	Intact		
Exterior	Fourth	951	0	Door	A	Metal	Brown	Intact		
Exterior	Fourth	952	0.16	Door Frame	A	Metal	Brown	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
Exterior	First	953	0.01	Handrail	A	Metal	Brown	Intact		
Exterior	First	954	0.21	Door	B	Metal	Brown	Intact		
Exterior	First	955	0.22	Door	B	Metal	Brown	Intact		
Exterior	First	956	0.22	Door Frame	B	Metal	Brown	Intact		
Exterior	First	957	0.17	Door Frame	B	Metal	Brown	Intact		
Exterior	First	958	0	Pipe	B	Metal	Gray	Intact		
Exterior	First	959	0.18	Door	C Right	Metal	Brown	Intact		
Exterior	First	961	0	Control Box	C Right	Metal	Gray	Intact		
Exterior	First	962	0	Door	C	Metal	Brown	Intact		
Exterior	First	963	0.28	Window Frame	C	Metal	Brown	Intact		
Exterior	First	964	0.05	Door	D	Metal	Brown	Intact		
Exterior	First	965	0.07	Door	D	Metal	Brown	Intact		
Exterior	First	966	0.17	Door Frame	D	Metal	Brown	Intact		
Exterior	First	967	0.18	Door Frame	D	Metal	Brown	Intact		

Note 1: A=North, B=East, C=South, D=West

HAZARDOUS MATERIALS INSPECTION
FOR THE

STANSBURY HALL

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09030300

WEBER STATE UNIVERSITY

February 22, 2010

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
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Hazardous Materials Inspection

Stansbury Hall
Weber State University
Ogden, Utah

During December 2009, Jon Craig of R & R Environmental, Inc., conducted a hazardous materials inspection of the Stansbury Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of hazardous materials. The inspection was conducted based on a agreement with Mr. Robert J. Anderson, State of Utah Division of Facility Construction and Management (DFCM), Hazardous Material Manager.

Hazardous materials requiring proper removal and disposal was identified at the Stansbury Hall, Weber State University, Ogden, Utah as follows:

Material	Location	Quantity	Unit Cost
PCB Ballast	Throughout	154 units	$1.00/lbs. (avg. 5lbs./unit)
Fluorescent Light	Throughout	308 tubes	$0.50/linear foot

The State of Utah's DFCM policy requires the items above to be removed and disposed of at a facility approved to accept such waste prior to demolition. This may or may not be applied to the city of Ogden, Weber County, but R & R Environmental, Inc. recommends removal and proper disposal of these components prior to any demolition activities.

The cost estimate to remove and dispose of these hazardous materials is estimated at approximately **$1,386.00**. This cost estimate does not include transportation, removal, design, or management fees associated with dismantling and packaging the materials.

ASBESTOS, LEAD AND HAZARDOUS MATERIALS
INSPECTION, SURVEY AND ASSESSMENT
FOR THE

WASATCH HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09191810

ASBESTOS SURVEY AND ASSESSMENT
FOR THE

WASATCH HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY

September 7, 2009

Prepared for:

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ASBESTOS SURVEY AND ASSESSMENT
WASATCH HALL
WEBER STATE UNIVERSITY

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1.0 EXECUTIVE SUMMARY

Asbestos Survey and Assessment
Wasatch Hall
Weber State University
Ogden, Utah 84322

An asbestos survey was conducted at the subject facility on August 7, 2009.

The building was visually inspected to identify building materials that might contain asbestos. Bulk samples were collected from suspect materials and analyzed to determine if they contained asbestos. All asbestos-containing materials (ACM) were assessed for damage and the potential for exposure. This survey was requested and approved by Mr. Robert J. Anderson, Hazardous Materials Manager, State of Utah, Division of Facilities Construction and Management.

The following table lists all ACM that were identified in the building. Information specific to the building concerning inaccessible areas / materials and recommended response actions can be found in this report. There is important information in these sections that is not included in this executive summary. This report should be read in its entirety, including detailed information that is contained in other sections and appendices of this report.

Asbestos-Containing Materials by Homogeneous Area
Wasatch Hall
Weber State University

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Khaki Green Rooms: 002, 003, 004, 005, 006, 007, 009, 010, 015	6% Chrysotile (tile) None Detected (mastic)	3,534 SF	$13,379.90
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Beige with Cream Streaks Rooms: 101, 117, 134, 139, 142, 145, 146, 147, 151, 153, 154, 155, 156, 165, 174, 178, 179, 179A, 183, 184, 185, 186, 187	12% Chrysotile (tile) None Detected (mastic)	5,383 SF	$20,588.55

Homogeneous Area Number	Material Description	Asbestos Content	Quantity	Cost Estimate
S02	**Plaster Surfacing – Popcorn** White Limestone Plaster with Foam Plastic and Mica Rooms: 002, 009, 099A, 099B, 101, 102, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 118, 119, 121, 122, 123, 131, 132, 133, 134, 136, 137, 138, 139, 141, 142, 143, 144, 145, 146, 147, 148, 152, 153, 154, 155, 156, 164, 165, 166, 174, 175, 176, 178, 179, 179A, 181, 199ABCD, 202, 203, 204, 205, 206, 207, 208, 209, 211, 212, 213, 214, 215, 218, 219, 221, 222, 223, 231, 232, 233, 235, 236, 237, 238, 239, 241, 242, 243, 244, 245, 246, 247, 248, 252, 253, 254, 255, 256, 264, 265, 266, 299ABCD, 302, 303, 304, 305, 306, 307, 308, 309, 311, 312, 313, 314, 315, 318, 319, 321, 322, 323, 331, 332, 333, 335, 336, 337, 338, 339, 341, 342, 343, 344, 345, 346, 347, 348, 352, 353, 354, 355, 356, 364, 365, 366, 399ABCD	Up to 6% Chrysotile	27,638 SF	$99,496.80
T04	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: NE Tunnel, NW Tunnel, SE Tunnel, SW Tunnel, 002, 004, 124, 166	5% Chrysotile	119 Fittings ***Note 3**	$5,712.00

Notes:

1. Homogeneous Area Number (Not related to building room numbers.)
2. Cost Estimates include asbestos removal costs only; abatement design and management fees and replacement costs are not included. Please refer to Section 7.0 for more details.
3. **It is highly likely that TSI-Mudded Fittings exist inside wall cavities and above ceiling interstitial spaces. Selective demolition will need to be undertaken to determine the exact locations of all TSI-Mudded Fittings.**

Asbestos Survey and Assessment
Wasatch Hall
Weber State University

2.0 INTRODUCTION

On August 7, 2009, R & R Environmental, Inc., conducted an asbestos survey of the Wasatch Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of both friable and non-friable asbestos-containing materials (ACM) within the facility. Bulk samples were collected from suspect materials and analyzed for asbestos content. Each occurrence of ACM was assessed for damage and friability.

The following accredited and certified inspectors performed the inspection, collected the samples and made assessment:

September 7, 2009

Jon R. Craig
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-2934

Date

This report was reviewed by:

September 7, 2009

David C. Roskelley, MSPH, CIH, CSP
State of Utah, Division of Air Quality Inspector
Certification Number: ASB-1370
AHERA Inspector #5 PSI 65451 I
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

Date

3.0 BUILDING DESCRIPTION

Building Identification

Building Name ..... Wasatch Hall
Building Address ..... Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1965
Building Type ..... Door Rooms, Classrooms, Restrooms/Showers
Building Total Sq. Ft. ..... ~70,000
Structural System ..... Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction ..... Concrete
Roof Construction ..... Flat, Built-up Tar
Floors Above Grade 3
Floors Below Grade 1

Interior Finishes

Floors ..... Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet, wood
Walls ..... Plaster, wallboard system, cinderblock
Attic ..... No
Crawl space ..... No

Building Mechanical

Heating Plant ..... Boiler
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

4.0 SURVEY PROCEDURES

4.1 Building Survey

All accessible areas of the facility were visually inspected to identify suspect asbestos containing materials (ACM.) All accessible surfaces, structures, and mechanical systems within these areas were examined and all suspected ACM was touched to determine friability.

Suspect ACM was identified and assessed in homogeneous areas. A homogeneous area is defined as a single material, uniform in texture and appearance, installed at one time, and unlikely to consist of more than one type, or formulation, of material. In cases where joint compound and / or tape has been applied to wallboard (gypsum board) and cannot be visually distinguished from the wallboard, it is considered an integral part of the wallboard and in effect becomes one material forming a wall or ceiling "system."

Each homogeneous area was given a unique material identification number. Each ID number begins with a letter: "S" for surfacing materials, "T" for thermal system insulation, or "M" for miscellaneous materials. This letter is followed by a two-digit number, assigned in consecutive order. This number is used to identify the homogeneous area throughout the inspection report.

4.2 Bulk Sample Collection

Bulk samples were collected from all accessible homogeneous areas of suspect ACM for subsequent laboratory analysis to determine actual asbestos content. Sampling was conducted in a manner that minimized damage to the building, did not leave any unsightly marks, and did not create a health hazard for the inspectors.

The number of samples collected from each homogeneous area generally followed the EPA AHERA regulations (40 CFR 763.86). Friable surfacing materials were sampled using the random sampling scheme given in the EPA publication 560 / 5-85-30a, titled "Asbestos in buildings: Simplified Sampling Scheme for Friable Surfacing Materials."" Between three and seven samples were collected from friable surfacing materials, depending on the size of the homogeneous area.

4.3 Bulk Sample Analysis

Bulk samples were analyzed using polarized light microscopy (PLM) and visual estimation in accordance with the EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA-600 / M4-82-020. Samples were analyzed by Dixon Information, Inc., 78 West 2400 South, Salt Lake City, Utah 84115. The laboratory is accredited under the National Institute of Standards and Technology – National voluntary Laboratory Accreditation Program (NIST-NVLAP) for bulk-asbestos sample analysis and is also accredited by the American Industrial Hygiene Association (AIHA).

Federal EPA's NESHAP and AHERA regulations define ACM as material containing greater than 1% asbestos by weight; materials containing less than 1% asbestos are not considered regulated ACM.

Further, the NESHAP regulations state that any sample found to contain less than 10% asbestos but greater than "none detected," by visual estimation, must be assumed to contain greater than 1% asbestos unless confirmed to be less than 1.0% asbestos by point counting analysis. Any samples found to contain asbestos in this concentration range were assumed to contain greater than 1.0% asbestos and are listed in Section 5.8 of this report. All samples that have been point counted are identified as such in the sample result tables.

The laboratories reports can be found in Appendix D of this report.

5.0 SURVEY RESULTS

5.1 Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as being ACM if the laboratory analysis shows the material to contain any detectable asbestos, unless subsequent TEM analysis resulted in less than 0.1% asbestos being detected. Table 1 of the Executive Summary and in Appendix A lists all homogeneous areas that were found to be ACM. Each material is described by type of material, friability and visual appearance.

Friability is defined in accordance with EPA's NESHAP regulations.

> "Friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure and also includes non-friable ACM that may become friable during building demolition.
>
> "Non-friable ACM" is any material containing more than 1% asbestos (as determined by PLM) that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
>
> "Category I non-friable ACM" are asbestos-containing resilient floor coverings (commonly known as vinyl asbestos tile (VAT), asphalt roofing products, packings, and gaskets.
>
> "Category II non-friable ACM" encompasses all other non-friable ACM.
>
> "Non-friable RACM" is used to denote thermal system insulation that is in good condition but would become friable during renovation or demolition and therefore is "regulated asbestos containing material" (RACM).

5.2 Non-Asbestos-Containing Materials

Homogeneous areas of suspect ACM are identified as non-ACM if the laboratory analysis shows the material to contain no detectable asbestos. Table 2, located in Appendix A of this report, lists all homogeneous areas that were found to be non-ACM.

5.3 Bulk Sample Analytical Results

Table 3, located in Appendix A of this report, lists all of the bulk samples in order by sample number, that were collected from homogeneous areas of suspect ACM, along with the laboratory analytical results. Each sample was given a unique sample number. There may be more than one sample number for the same homogeneous area of suspect ACM. The homogeneous areas of suspect ACM are identified on this table by their material identification numbers. The sample location listed on this table provides a brief, but specific, description of the location where the sample was collected. This is different

than the homogeneous area location provided on Tables 1 and 2. Table 4 is the same as Table 3 except the entries has been sorted by homogeneous area number.

5.4 Damage and Hazard Assessment

Each homogeneous area of ACM has been assessed for existing damage, accessibility, and potential for future damage, and this information is presented in Table 5, located in Appendix A of this report. This table also lists the substrate present beneath each homogeneous area of ACM.

Each homogeneous area of friable ACM and asbestos-containing building material (ACBM) was classified into one of the following seven categories, as specified in EPA's AHERA regulations (40 CFR 763.88):

(1) Damaged or significantly damaged thermal system insulation ACM.
(2) Damaged friable surfacing ACM.
(3) Significantly damaged friable surfacing ACM.
(4) Damaged or significantly damaged friable miscellaneous ACM.
(5) ACBM with potential for damage.
(6) ACBM with potential for damage.
(7) Any remaining friable ACBM or friable suspected ACBM.

The damage categories are defined as follows:

> "Undamaged" means the material had no visible damage, or extremely minor damage or surface marring (i.e., a room full of floor tile with only two or three small corners chipped off on the tile).
>
> "Damaged" means the material had visible damage evenly distributed over less than 10% of its surface, or localized over less than 25% of its surface.
>
> "Significantly Damaged" means the material had visible damage that is evenly distributed over 10% or more of its surface, or localized over 25% or more if its surface.

Each homogeneous area of ACM was evaluated for accessibility to the building occupants and the general public, assuming the building was fully occupied, using the following assessment categories.

> "Inaccessible" means the material was located in an area that people had no reason to enter and could not access without special measures. One example would be above a solid ceiling.
>
> "Rarely Accessed" identifies a material that was in a location that could be accessed but wasn't unless there was a specific need. An example would be a

pipe tunnel. Another example would be a high ceiling that is out of reach and not subject to any specific disturbance.

"Periodic Access" identifies a material that was in a location that was accessible, was not occupied full time, but was accessed on a routine basis. An example would be a mechanical room or boiler room.

"Continuous Access" identifies a material that was in a location that was occupied full time and was within reach of the occupants, or was frequently subject to direct disturbance. Examples would be exposed floor tile or a normal height ceiling.

5.5 Hazard Ranking

A hazard ranking has been determined for every ACM, in each functional space (room), and is listed in Table 7, Appendix A. The Hazard Rank is derived from the material's current condition and potential for future disturbance.

The DFCM required hazard assessment process used here produces seven hazard Ranks. The rankings of potential hazard range from 7, most hazardous, to 1, least hazardous, and are used to determine abatement priority. The highest ranking is reserved for ACM that is "significantly damaged". Hazard rankings 6 to 4 reflect ACM that is "damaged" (slight damage is the term used in Table 7), with a ranking of 6 indicating a "potential for significant damage", and a ranking of 5 indicating a "potential for damage." Hazard rankings of 3 to 1 are reserved for materials currently in good condition, but with a range of moderate to low in the likelihood for future disturbance.

Note that these seven rankings are different from, and should not be confused with, the seven AHERA categories of damage and potential damage described in Section 5.4, above, and listed in Table 5. This hazard assessment scheme is also completely reversed from the current EPA Management Planner hazard assessment scheme where a hazard rank of 1 is the most hazardous.

5.6 Homogeneous Areas with Special Considerations

None

5.7 Suspect Materials Presumed to be Asbestos-Containing Materials without Laboratory Analysis

None

5.8 Inaccessible Areas

Interstitial spaces between the ceiling tile or plaster finished ceilings and the deck on the first floor. These areas may contain ACM Thermal System Insulation.

5.9 Material(s) assumed to contain >1.0% asbestos without subsequent TEM or Point Count Analysis

None

6.0 RESPONSE ACTION COMMENTS

6.1 EPA Requirements

Asbestos is regulated as a hazardous air pollutant by the Environmental Protection Agency (EPA) under the authority of the Clean Air Act. The asbestos regulations are included in the National Emissions Standards for Hazardous Air Pollutants (NESHAP) and referenced as 40 CFR 61, Subpart M. ACMs identified in this report are subject to those regulations. Those regulations, and state and local regulations, should be carefully examined prior to renovation, demolition, cleanup, or any other activity which could disturb the ACMs, to ensure that all activities are in compliance with applicable requirements.

ACM is defined by the EPA, as any material containing greater than one precedent of asbestos. ACMs are categorized as being either friable or non-friable. Friable ACMs are those materials that can be easily crumbled, pulverized, or otherwise broken up using hand or finger pressure when dry, and are materials considered more likely to produce airborne asbestos fibers. Non-friable ACMs are materials that do not meet the above test, and are considered less likely to produce airborne asbestos fibers. Not all ACMs are regulated under NESHAP. Regulated ACM (RACM) means (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of regulated demolition or renovation operations. Regulated demolition and renovation operations are those where the quantity of ACM affected is 260 linear feet or more on pipes, 160 square feet or more on other components, or 35 cubic feet or more in volume. There are certain notification requirements for demolition projects involving less than the above quantities.

Briefly, EPA requires that RACM be removed from facilities scheduled for demolition or renovation before any activity begins that would break up, dislodge, or similarly disturb the materials or preclude access to the materials for subsequent removal. Category I non-friable ACM that is not in poor condition and is not friable does not have to be removed prior to demolition of a facility. **However, these materials are exempt from mandatory removal only during demolition, not renovation. Removal is mandated when renovation activities are expected to disturb these ACMs and render them friable.** Category II non-friable ACM also does not have to be removed prior to demolition if the probability is low that the material will become crumbled, pulverized, or reduced to powder (made friable) during demolition. However, state regulations may require the removal of these materials. Additionally, Category I non-friable ACM that has not become crumbled, pulverized, or reduced to powder during demolition activities may be disposed of as ordinary construction waste.

In any situation where ACM remains in a building, it should be managed under a comprehensive operations and maintenance program (O&M). The procedures and

guidelines described in an O&M program should be followed whenever building maintenance activities may disturb any ACMs present in the building.

6.2 Renovation Options

The mastic is non-friable ACMs. NESHAP regulations require the removal of non-friable ACMs before they are **disturbed and made friable** during renovation activities. Therefore, we recommend that all of these materials be removed and properly disposed of by a licensed asbestos abatement contractor before renovation activities begin **which have the potential of disturbing and making these materials friable.** The removal project must follow the requirements of the OSHA regulation outlined in 29 CFR 1926.1101. While these materials remain in place, a comprehensive asbestos O&M program should be implemented when the building is occupied to reduce human exposure to airborne asbestos fibers.

7.0 COST ESTIMATES

A breakdown of the estimated removal costs by homogeneous area can be found in the Table 6, Appendix A. These cost estimates are provided for use in long-term budgeting and planning only, and do not have a level of accuracy sufficient to be used as a construction design cost estimate. The actual cost of asbestos removal is highly dependent on a number of factors such as the size of the project, the required time frame for removal, the time of year the job is conducted, the regulatory climate at the time, etc., therefore, actual abatement costs could vary significantly from these estimates. Replacement costs have not been included in these figures.

The cost for abatement design and management services is not included in these figures. These additional fees can range from 15% of the estimated abatement costs for large projects to greater than 50% for very small projects. The design and management fees cover the cost of preparing plans and specifications, conducting the bidding process as well as third-party oversight during abatement.

8.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This asbestos survey and assessment was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, asbestos-containing material (ACM) can be present in a structure, but not identified using ordinary investigative procedures.

No asbestos survey can completely eliminate uncertainty regarding the presence of ACM. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of ACM. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all ACM present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Data Tables

Table 1

Asbestos-containing Materials by Homogeneous Area
Wasatch Hall
Weber State University

Homogeneous Area Number	Material Description / Location	Friability	Asbestos Content	Quantity
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Khaki Green Rooms: 002, 003, 004, 005, 006, 007, 009, 010, 015	Category 1 Non-Friable	6% Chrysotile (tile) None Detected (mastic)	3,534 SF
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 9” x 9” Beige with Cream Streaks Rooms: 101, 117, 134, 139, 142, 145, 146, 147, 151, 153, 154, 155, 156, 165, 174, 178, 179, 179A, 183, 184, 185, 186, 187	Category 1 Non-Friable	12% Chrysotile (tile) None Detected (mastic)	5,383 SF
S02	**Plaster Surfacing – Popcorn** White Limestone Plaster with Foam Plastic and Mica Rooms: 002, 009, 099A, 099B, 101, 102, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 118, 119, 121, 122, 123, 131, 132, 133, 134, 136, 137, 138, 139, 141, 142, 143, 144, 145, 146, 147, 148, 152, 153, 154, 155, 156, 164, 165, 166, 174, 175, 176, 178, 179, 179A, 181, 199ABCD, 202, 203, 204, 205, 206, 207, 208, 209, 211, 212, 213, 214, 215, 218, 219, 221, 222, 223, 231, 232, 233, 235, 236, 237, 238, 239, 241, 242, 243, 244, 245, 246, 247, 248, 252, 253, 254, 255, 256, 264, 265, 266, 299ABCD, 302, 303, 304, 305, 306, 307, 308, 309, 311, 312, 313, 314, 315, 318, 319, 321, 322, 323, 331, 332, 333, 335, 336, 337, 338, 339, 341, 342, 343, 344, 345, 346, 347, 348, 352, 353, 354, 355, 356, 364, 365, 366, 399ABCD	Friable ACM	Up to 6% Chrysotile	27,638 SF
T04	**Thermal System Insulation – Mudded Fitting** Gray Plaster with Mineral Wool Rooms: NE Tunnel, NW Tunnel, SE Tunnel, SW Tunnel, 002, 004, 124, 166	Friable ACM	5% Chrysotile	119 Fittings

Table 2

Homogeneous Areas That Do Not Contain Asbestos
Wasatch Hall
Weber State University

Homogeneous Area Number	Material Description	Material Location
M03	**Floor Tile and Mastic – Exposed and Under Glued Carpet** 12” x 12” Off-white with Light Gray Streaks & Splotches	012
M04	**Rolled Vinyl Flooring – Exposed** Beige, Tan, Blue Rectangle Pattern	176
M05	**Rolled Vinyl Flooring – Under Glued Carpet** Tan with Brown Splotches; Canvas Backed	202, 203, 204, 205, 206, 207, 208, 209, 211, 212, 213, 214, 215, 218, 219, 221, 222, 223, 231, 232, 233, 236, 237, 238, 239, 241, 242, 243, 244, 245, 246, 247, 248, 252, 253, 254, 255, 256, 264, 265, 266, 299BCD, 302, 303, 304, 305, 306, 307, 308, 309, 311, 312, 313, 314, 315, 318, 319, 321, 322, 323, 331, 332, 333, 336, 337, 338, 339, 341, 342, 343, 344, 345, 346, 352, 353, 354, 355, 356, 364, 365, 366, 399BD
M06	**Mastic** Black Tar	008, 102, 104, 105, 106, 107, 108, 109, 111, 112, 113, 114, 115, 117, 118, 119, 121, 122, 123, 131, 132, 133, 136, 137, 138, 141, 143, 144, 148, 152, 164, 166
M07	**Cove Base and Mastic** 4” Light Gray Rubber with Limestone; Yellow Resin Mastic	002, 003, 005, 006, 008, 009, All Dorm Rooms
M08	**Cove Base and Mastic** 3” Brown Rubber with Limestone; Yellow Resin Mastic	004, 007, 183, 185
M09	**Cove Base and Mastic** 4” White Rubber with Limestone; Yellow Resin Mastic	012
M10	**Cove Base and Mastic** 6” Light Gray Rubber with Limestone; Yellow Resin Mastic	176

Homogeneous Area Number	Material Description	Material Location
M11	**Cove Base and Mastic** 4" Brown Rubber with Limestone; Yellow Resin Mastic	174, 178, 179, 179A, 181
M12	**Ceiling Tile and Mastic** 12" White Ceiling Tile Pinholes, Small Holes	003, 005, 006, 008
M13	**Ceiling Tile and Mastic** 12" White Ceiling Tile Medium Rough Crevasses	171, 172, 182, 184, 186, 187
M14	**Vibration Damper** Plant Fiber in Brown and White Binder	014
M15	**Plaster** White Plaster with Sand, Off-white Plaster with Sand, Fiberglass	Restroom & Custodial Ceilings
M16	**Wall System** White Limestone Plaster with Perlite Joint Compound, Brown Plant Fiber, White Gypsum Plaster	Various Throughout
S01	**Plaster Surfacing – Trowel** White Gypsum Plaster with Mica	002, Dorm Restrooms/Showers, 173, 174, 175, 176, 177, 178, 179, 179A, 181, 186
T01	**Thermal System Insulation – Bridging Encapsulate** White Plastic with Limestone	014
T02	**Thermal System Insulation – Saddle Block** Plaster with Organic Fiber and Fiberglass	014
T03	**Thermal System Insulation – Tank Jacket** Off-white Plaster with Mineral Wool and Plant Fiber	014

Table 3

Bulk Sample Analytical Results by Sample Number
Wasatch Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUWH-01	M01	Vinyl Floor Tile and Mastic	003	6% Chrysotile (tile) None Detected (mastic)
WSUWH-02	M02	Vinyl Floor Tile and Mastic	185	12% Chrysotile (tile) None Detected (mastic)
WSUWH-03	M03	Vinyl Floor Tile and Mastic	012	None Detected
WSUWH-04	M04	Rolled Vinyl Flooring	176	None Detected
WSUWH-05	M05	Rolled Vinyl Flooring	248	None Detected
WSUWH-06	M05	Rolled Vinyl Flooring	299B	None Detected
WSUWH-07	M06	Mastic	008	None Detected
WSUWH-08	M06	Mastic	102	None Detected
WSUWH-09	M07	Cove Base	005	None Detected
WSUWH-10	M08	Cove Base	004	None Detected
WSUWH-11	M09	Cove Base	012	None Detected
WSUWH-12	M10	Cove Base	176	None Detected
WSUWH-13	M11	Cove Base	173	None Detected
WSUWH-14	M12	Ceiling Tile	008	None Detected
WSUWH-15	M13	Ceiling Tile	186	None Detected
WSUWH-16	M15	Plaster	157	None Detected
WSUWH-17	M15	Plaster	257	None Detected
WSUWH-18	M15	Plaster	257	None Detected
WSUWH-19	M15	Plaster	124	None Detected
WSUWH-20	M15	Plaster	224	None Detected
WSUWH-21	M16	Wall System	005	None Detected
WSUWH-22	S01	Plaster Surfacing - Trowel	002	None Detected
WSUWH-23	S01	Plaster Surfacing - Trowel	002	None Detected
WSUWH-24	S01	Plaster Surfacing - Trowel	002	None Detected
WSUWH-25	S01	Plaster Surfacing - Trowel	129	None Detected
WSUWH-26	S01	Plaster Surfacing - Trowel	162	None Detected
WSUWH-27	S01	Plaster Surfacing - Trowel	174	None Detected
WSUWH-28	S01	Plaster Surfacing - Trowel	179	None Detected
WSUWH-29	S01	Plaster Surfacing - Trowel	181	None Detected
WSUWH-30	S01	Plaster Surfacing - Trowel	227	None Detected
WSUWH-31	S01	Plaster Surfacing - Trowel	327	None Detected
WSUWH-32	S02	Plaster Surfacing - Popcorn	002	None Detected
WSUWH-33	S02	Plaster Surfacing - Popcorn	101	None Detected
WSUWH-34	S02	Plaster Surfacing - Popcorn	248	None Detected
WSUWH-35	S02	Plaster Surfacing - Popcorn	310	None Detected
WSUWH-36	S02	Plaster Surfacing - Popcorn	104	None Detected
WSUWH-37	S02	Plaster Surfacing - Popcorn	299B	None Detected
WSUWH-38	T01	Thermal System Insulation – Bridging Encapsulate	014	None Detected
WSUWH-39	T01	Thermal System Insulation – Bridging Encapsulate	014	None Detected
WSUWH-40	T01	Thermal System Insulation – Bridging Encapsulate	014	None Detected

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUWH-41	T02	Thermal System Insulation – Saddle Block	014	None Detected
WSUWH-42	T03	Thermal System Insulation – Tank Jacket	014	None Detected
WSUWH-43	T04	Thermal System Insulation – Mudded Fitting	Northeast Tunnel	5% Chrysotile
WSUWH-44	T04	Thermal System Insulation – Mudded Fitting	Northeast Tunnel	5% Chrysotile
WSUWH-45	T04	Thermal System Insulation – Mudded Fitting	Northwest Tunnel	5% Chrysotile
WSUWH-46	T04	Thermal System Insulation – Mudded Fitting	Southeast Tunnel	5% Chrysotile
WSUWH-47	T04	Thermal System Insulation – Mudded Fitting	Southwest Tunnel	5% Chrysotile
WSUWH-48	T04	Thermal System Insulation – Mudded Fitting	002	5% Chrysotile
WSUWH-49	T04	Thermal System Insulation – Mudded Fitting	004	5% Chrysotile
WSUWH-50	T04	Thermal System Insulation – Mudded Fitting	101	5% Chrysotile
WSUWH-51	T04	Thermal System Insulation – Mudded Fitting	124	5% Chrysotile
WSUWH-52	M14	Vibration Damper	014	None Detected

Table 4

Bulk Sample Analytical Results by Homogeneous Area Number
Wasatch Hall
Weber State University

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUWH-01	M01	Vinyl Floor Tile and Mastic	003	6% Chrysotile (tile) None Detected (mastic)
WSUWH-02	M02	Vinyl Floor Tile and Mastic	185	12% Chrysotile (tile) None Detected (mastic)
WSUWH-03	M03	Vinyl Floor Tile and Mastic	012	None Detected
WSUWH-04	M04	Rolled Vinyl Flooring	176	None Detected
WSUWH-05	M05	Rolled Vinyl Flooring	248	None Detected
WSUWH-06	M05	Rolled Vinyl Flooring	299B	None Detected
WSUWH-07	M06	Mastic	008	None Detected
WSUWH-08	M06	Mastic	102	None Detected
WSUWH-09	M07	Cove Base	005	None Detected
WSUWH-10	M08	Cove Base	004	None Detected
WSUWH-11	M09	Cove Base	012	None Detected
WSUWH-12	M10	Cove Base	176	None Detected
WSUWH-13	M11	Cove Base	173	None Detected
WSUWH-14	M12	Ceiling Tile	008	None Detected
WSUWH-15	M13	Ceiling Tile	186	None Detected
WSUWH-52	M14	Vibration Damper	014	None Detected
WSUWH-16	M15	Plaster	157	None Detected
WSUWH-17	M15	Plaster	257	None Detected
WSUWH-18	M15	Plaster	257	None Detected
WSUWH-19	M15	Plaster	124	None Detected
WSUWH-20	M15	Plaster	224	None Detected
WSUWH-21	M16	Wall System	005	None Detected
WSUWH-22	S01	Plaster Surfacing - Trowel	002	None Detected
WSUWH-23	S01	Plaster Surfacing - Trowel	002	None Detected
WSUWH-24	S01	Plaster Surfacing - Trowel	002	None Detected
WSUWH-25	S01	Plaster Surfacing - Trowel	129	None Detected
WSUWH-26	S01	Plaster Surfacing - Trowel	162	None Detected
WSUWH-27	S01	Plaster Surfacing - Trowel	174	None Detected
WSUWH-28	S01	Plaster Surfacing - Trowel	179	None Detected
WSUWH-29	S01	Plaster Surfacing - Trowel	181	None Detected
WSUWH-30	S01	Plaster Surfacing - Trowel	227	None Detected
WSUWH-31	S01	Plaster Surfacing - Trowel	327	None Detected
WSUWH-32	S02	Plaster Surfacing - Popcorn	002	None Detected
WSUWH-33	S02	Plaster Surfacing - Popcorn	101	None Detected
WSUWH-34	S02	Plaster Surfacing - Popcorn	248	None Detected
WSUWH-35	S02	Plaster Surfacing - Popcorn	310	None Detected
WSUWH-36	S02	Plaster Surfacing - Popcorn	104	None Detected
WSUWH-37	S02	Plaster Surfacing - Popcorn	299B	None Detected
WSUWH-38	T01	Thermal System Insulation – Bridging Encapsulate	014	None Detected
WSUWH-39	T01	Thermal System Insulation – Bridging Encapsulate	014	None Detected
WSUWH-40	T01	Thermal System Insulation – Bridging Encapsulate	014	None Detected

Sample Number	Homogeneous Area Number	Material Samples	Sample Location	Analytical Results
WSUWH-41	T02	Thermal System Insulation – Saddle Block	014	None Detected
WSUWH-42	T03	Thermal System Insulation – Tank Jacket	014	None Detected
WSUWH-43	T04	Thermal System Insulation – Mudded Fitting	Northeast Tunnel	5% Chrysotile
WSUWH-44	T04	Thermal System Insulation – Mudded Fitting	Northeast Tunnel	5% Chrysotile
WSUWH-45	T04	Thermal System Insulation – Mudded Fitting	Northwest Tunnel	5% Chrysotile
WSUWH-46	T04	Thermal System Insulation – Mudded Fitting	Southeast Tunnel	5% Chrysotile
WSUWH-47	T04	Thermal System Insulation – Mudded Fitting	Southwest Tunnel	5% Chrysotile
WSUWH-48	T04	Thermal System Insulation – Mudded Fitting	002	5% Chrysotile
WSUWH-49	T04	Thermal System Insulation – Mudded Fitting	004	5% Chrysotile
WSUWH-50	T04	Thermal System Insulation – Mudded Fitting	101	5% Chrysotile
WSUWH-51	T04	Thermal System Insulation – Mudded Fitting	124	5% Chrysotile

Table 5

Damage and Hazard Assessment by Homogeneous Area
Wasatch Hall
Weber State University

Area Number	Material Type	Substrate	Assessment Category	Damage	Accessibility	Disturbance Potential
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Continuous Access	Low
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	Concrete	X	Undamaged	Continuous Access	Low
S02	**Plaster Surfacing – Popcorn**	Concrete	5	Undamaged	Continuous Access	Moderate
T04	**Thermal System Insulation – Mudded Fitting**	Metal	1	Damaged	Continuous Access	Low

Note: Assessment Categories:
1-Damaged or significantly damaged thermal system insulation ACM
2-Damaged friable surfacing ACM
3-Significantly damaged friable surfacing ACM
4-Damaged or significantly damaged friable miscellaneous ACM
5-ACM with potential for damage
6-ACM with potential for significantly damage
7-Any remaining friable ACM or friable suspect ACM
X-Not applicable (material is non-friable surfacing or miscellaneous material)

Table 6

Estimated Abatement Costs by Homogeneous Area
Wasatch Hall
Weber State University

Homogeneous Area Number	Material	Quantity	Average Unit Cost	Abatement Cost
M01	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	3,534 SF	$3.79	$13,379.90
M02	**Floor Tile and Mastic – Exposed and Under Glued Carpet**	5,383 SF	$3.82	$20,588.55
S02	**Plaster Surfacing – Popcorn**	27,638 SF	$3.60	$99,496.80
T04	**Thermal System Insulation – Mudded Fitting**	119 Fittings	$48.00	$5,712.00
TOTAL ESTIMATED ABATEMENT COST				**$139,177.25**

Notes:
1. Estimated abatement costs do not include replacement costs or costs for a consultant to manage the abatement (see section 7.0).

Table 7

Abatement Cost and Hazard Rank by Functional Space
Wasatch Hall
Weber State University

Room	Homog. Area Number	Material Description	Amount		Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
002	M01	Vinyl Floor Tile (under glued carpet)	254	SF	977.90	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
002	M83	Thermal System Insulation - Mudded Fitting	20	MF	960.00	5% Chrysotile	Undamaged	Low	1
002	S02	Plaster Surfacing - Popcorn	75	SF	270.00	Up to 6% Chrysotile	Damaged	Moderate	3
003	M01	Vinyl Floor Tile (under glued carpet)	801	SF	3,083.85	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
004	M01	Vinyl Floor Tile	69	SF	196.65	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
004	M84	Thermal System Insulation - Mudded Fitting	7	MF	336.00	5% Chrysotile	Undamaged	Low	1
005	M01	Vinyl Floor Tile (under glued carpet)	1061	SF	4,084.85	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
006	M01	Vinyl Floor Tile (under glued carpet)	1069	SF	4,115.65	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
007	M01	Vinyl Floor Tile	70	SF	199.50	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
009	M01	Vinyl Floor Tile (under glued carpet)	123	SF	473.55	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
009	S02	Plaster Surfacing - Popcorn	123	SF	442.80	Up to 6% Chrysotile	Undamaged	Moderate	3
010	M01	Vinyl Floor Tile	44	SF	125.40	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
015	M01	Vinyl Floor Tile	43	SF	122.55	6% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
099 A	S02	Plaster Surfacing - Popcorn	101	SF	363.60	Up to 6% Chrysotile	Undamaged	Low	1
099 B	S02	Plaster Surfacing - Popcorn	103	SF	370.80	Up to 6% Chrysotile	Undamaged	Low	1
101	M02	Vinyl Floor Tile (under glued carpet)	133	SF	512.05	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
101	S02	Plaster Surfacing - Popcorn	133	SF	478.80	Up to 6% Chrysotile	Undamaged	Low	1
102	S02	Plaster Surfacing - Popcorn	646	SF	2,325.60	Up to 6% Chrysotile	Undamaged	Low	1
104	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
105	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
106	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
107	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount		Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
108	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
109	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
110	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
111	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
112	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
113	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
114	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
115	S02	Plaster Surfacing - Popcorn	306	SF	1,101.60	Up to 6% Chrysotile	Undamaged	Low	1
117	M02	Vinyl Floor Tile	15	SF	42.75	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
118	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
119	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
121	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
122	S02	Plaster Surfacing - Popcorn	171	SF	615.60	Up to 6% Chrysotile	Undamaged	Low	1
123	S02	Plaster Surfacing - Popcorn	163	SF	586.80	Up to 6% Chrysotile	Undamaged	Low	1
124	M85	Thermal System Insulation - Mudded Fitting	8	MF	384.00	5% Chrysotile	Undamaged	Low	1
131	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
132	S02	Plaster Surfacing - Popcorn	170	SF	612.00	Up to 6% Chrysotile	Undamaged	Low	1
133	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
134	M02	Vinyl Floor Tile (under glued carpet)	129	SF	496.65	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
134	S02	Plaster Surfacing - Popcorn	129	SF	464.40	Up to 6% Chrysotile	Undamaged	Low	1
136	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
137	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
138	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
139	M02	Vinyl Floor Tile (under glued carpet)	169	SF	650.65	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
139	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
141	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
142	M02	Vinyl Floor Tile (under glued carpet)	169	SF	650.65	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
142	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
143	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
144	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
145	M02	Vinyl Floor Tile (under glued carpet)	165	SF	635.25	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
145	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount		Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
146	M02	Vinyl Floor Tile (under glued carpet)	170	SF	654.50	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
146	S02	Plaster Surfacing - Popcorn	170	SF	612.00	Up to 6% Chrysotile	Undamaged	Low	1
147	M02	Vinyl Floor Tile (under glued carpet)	165	SF	635.25	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
147	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
148	S02	Plaster Surfacing - Popcorn	354	SF	1,274.40	Up to 6% Chrysotile	Undamaged	Low	1
151	M02	Vinyl Floor Tile	16	SF	45.60	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
152	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
153	M02	Vinyl Floor Tile (under glued carpet)	169	SF	650.65	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
153	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
154	M02	Vinyl Floor Tile (under glued carpet)	164	SF	631.40	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
154	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
155	M02	Vinyl Floor Tile (under glued carpet)	169	SF	650.65	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
155	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
156	M02	Vinyl Floor Tile (under glued carpet)	157	SF	604.45	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
156	S02	Plaster Surfacing - Popcorn	157	SF	565.20	Up to 6% Chrysotile	Undamaged	Low	1
164	S02	Plaster Surfacing - Popcorn	170	SF	612.00	Up to 6% Chrysotile	Undamaged	Low	1
165	M02	Vinyl Floor Tile (under glued carpet)	169	SF	650.65	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
165	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
166	M86	Thermal System Insulation - Mudded Fitting	2	MF	96.00	5% Chrysotile	Undamaged	Low	1
166	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
174	M02	Vinyl Floor Tile (under glued carpet)	254	SF	977.90	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
174	S02	Plaster Surfacing - Popcorn	254	SF	914.40	Up to 6% Chrysotile	Undamaged	Low	1
175	S02	Plaster Surfacing - Popcorn	98	SF	352.80	Up to 6% Chrysotile	Undamaged	Low	1
176	S02	Plaster Surfacing - Popcorn	135	SF	486.00	Up to 6% Chrysotile	Undamaged	Low	1
178	M02	Vinyl Floor Tile (under glued carpet)	75	SF	288.75	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
178	S02	Plaster Surfacing - Popcorn	75	SF	270.00	Up to 6% Chrysotile	Undamaged	Low	1
179	M02	Vinyl Floor Tile (under glued carpet)	141	SF	542.85	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount		Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
179	S02	Plaster Surfacing - Popcorn	141	SF	507.60	Up to 6% Chrysotile	Undamaged	Low	1
179 A	M02	Vinyl Floor Tile (under glued carpet)	8	SF	30.80	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
179 A	S02	Plaster Surfacing - Popcorn	8	SF	28.80	Up to 6% Chrysotile	Undamaged	Low	1
181	S02	Plaster Surfacing - Popcorn	69	SF	248.40	Up to 6% Chrysotile	Undamaged	Low	1
183	M02	Vinyl Floor Tile	52	SF	148.20	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
184	M02	Vinyl Floor Tile (under glued carpet)	2238	SF	8,616.30	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
185	M02	Vinyl Floor Tile	53	SF	151.05	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
186	M02	Vinyl Floor Tile (under glued carpet)	207	SF	796.95	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
187	M02	Vinyl Floor Tile (under glued carpet)	396	SF	1,524.60	12% Chrysotile (tile); None Detected (mastic)	Undamaged	Low	1
199 A	S02	Plaster Surfacing - Popcorn	123	SF	442.80	Up to 6% Chrysotile	Undamaged	Low	1
199 B	S02	Plaster Surfacing - Popcorn	128	SF	460.80	Up to 6% Chrysotile	Undamaged	Low	1
199 C	S02	Plaster Surfacing - Popcorn	163	SF	586.80	Up to 6% Chrysotile	Undamaged	Low	1
199 D	S02	Plaster Surfacing - Popcorn	206	SF	741.60	Up to 6% Chrysotile	Undamaged	Low	1
202	S02	Plaster Surfacing - Popcorn	651	SF	2,343.60	Up to 6% Chrysotile	Undamaged	Low	1
203	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
204	S02	Plaster Surfacing - Popcorn	162	SF	583.20	Up to 6% Chrysotile	Undamaged	Low	1
205	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
206	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
207	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
208	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
209	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
211	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
212	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
213	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
214	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
215	S02	Plaster Surfacing - Popcorn	343	SF	1,234.80	Up to 6% Chrysotile	Undamaged	Low	1
218	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
219	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
221	S02	Plaster Surfacing - Popcorn	170	SF	612.00	Up to 6% Chrysotile	Undamaged	Low	1
222	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
223	S02	Plaster Surfacing - Popcorn	171	SF	615.60	Up to 6% Chrysotile	Undamaged	Low	1
231	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount		Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
232	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
233	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
235	S02	Plaster Surfacing - Popcorn	633	U	2,278.80	Up to 6% Chrysotile	Undamaged	Low	1
236	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
237	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
238	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
239	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
241	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
242	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
243	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
244	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
245	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
246	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
247	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
248	S02	Plaster Surfacing - Popcorn	356	SF	1,281.60	Up to 6% Chrysotile	Undamaged	Low	1
252	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
253	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
254	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
255	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
256	S02	Plaster Surfacing - Popcorn	170	SF	612.00	Up to 6% Chrysotile	Undamaged	Low	1
264	S02	Plaster Surfacing - Popcorn	163	SF	586.80	Up to 6% Chrysotile	Undamaged	Low	1
265	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
266	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
299 A	S02	Plaster Surfacing - Popcorn	173	SF	622.80	Up to 6% Chrysotile	Undamaged	Low	1
299 B	S02	Plaster Surfacing - Popcorn	173	SF	622.80	Up to 6% Chrysotile	Undamaged	Low	1
299 C	S02	Plaster Surfacing - Popcorn	160	SF	576.00	Up to 6% Chrysotile	Undamaged	Low	1
299 D	S02	Plaster Surfacing - Popcorn	155	SF	558.00	Up to 6% Chrysotile	Undamaged	Low	1
302	S02	Plaster Surfacing - Popcorn	643	SF	2,314.80	Up to 6% Chrysotile	Undamaged	Low	1
303	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
304	S02	Plaster Surfacing - Popcorn	163	SF	586.80	Up to 6% Chrysotile	Undamaged	Low	1
305	S02	Plaster Surfacing - Popcorn	162	SF	583.20	Up to 6% Chrysotile	Undamaged	Low	1
306	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
307	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
308	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
309	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
311	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
312	S02	Plaster Surfacing - Popcorn	163	SF	586.80	Up to 6% Chrysotile	Undamaged	Low	1
313	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1

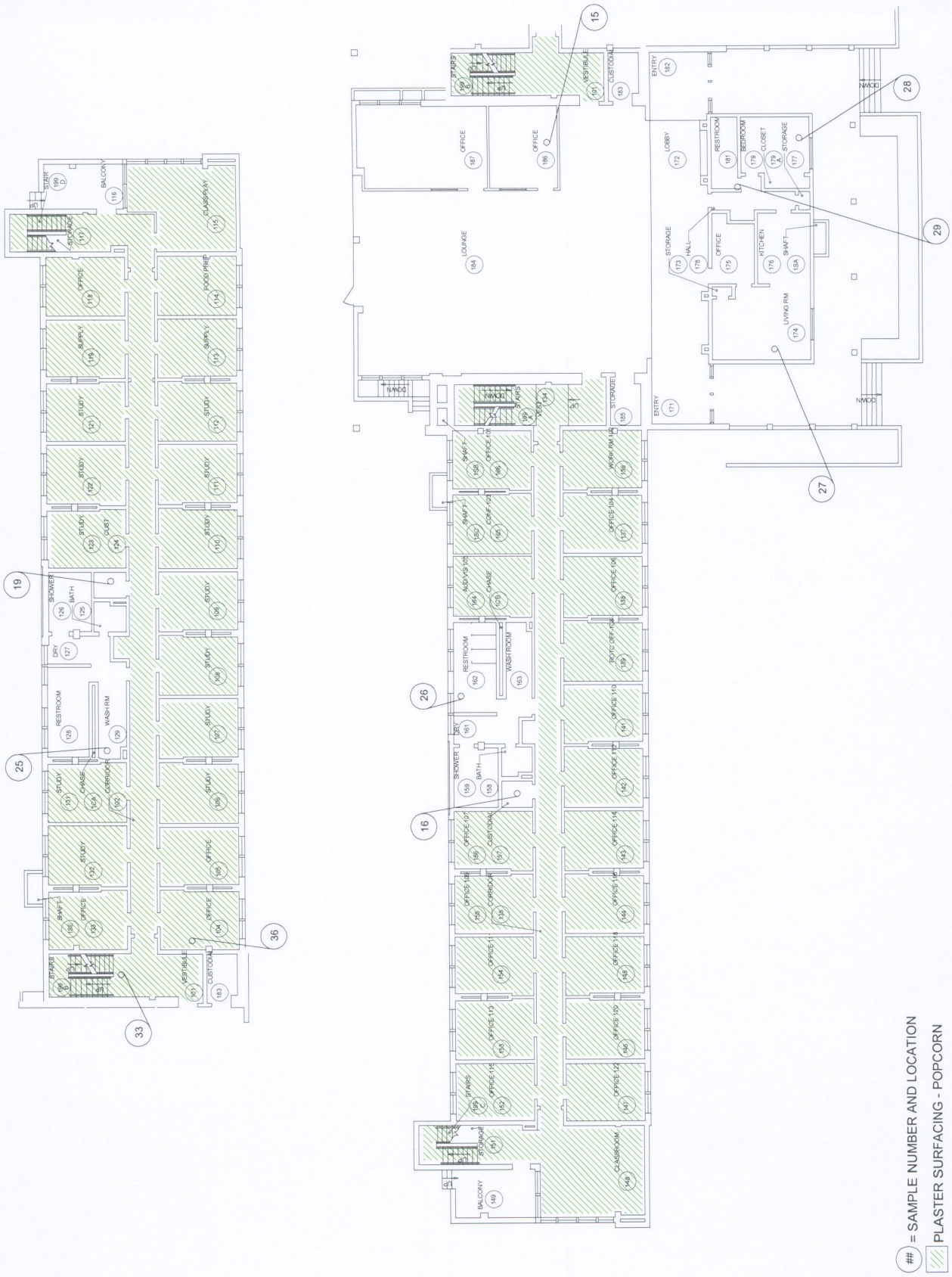
Room	Homog. Area Number	Material Description	Amount		Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
314	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
315	S02	Plaster Surfacing - Popcorn	358	SF	1,288.80	Up to 6% Chrysotile	Undamaged	Low	1
318	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
319	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
321	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
322	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
323	S02	Plaster Surfacing - Popcorn	170	SF	612.00	Up to 6% Chrysotile	Undamaged	Low	1
331	S02	Plaster Surfacing - Popcorn	163	SF	586.80	Up to 6% Chrysotile	Undamaged	Low	1
332	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
333	S02	Plaster Surfacing - Popcorn	170	SF	612.00	Up to 6% Chrysotile	Undamaged	Low	1
335	S02	Plaster Surfacing - Popcorn	641	SF	2,307.60	Up to 6% Chrysotile	Undamaged	Low	1
336	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
337	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
338	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
339	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
341	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
342	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
343	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
344	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
345	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
346	S02	Plaster Surfacing - Popcorn	164	SF	590.40	Up to 6% Chrysotile	Undamaged	Low	1
347	S02	Plaster Surfacing - Popcorn	167	SF	601.20	Up to 6% Chrysotile	Undamaged	Low	1
348	S02	Plaster Surfacing - Popcorn	356	SF	1,281.60	Up to 6% Chrysotile	Undamaged	Low	1
352	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
353	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
354	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
355	S02	Plaster Surfacing - Popcorn	166	SF	597.60	Up to 6% Chrysotile	Undamaged	Low	1
356	S02	Plaster Surfacing - Popcorn	169	SF	608.40	Up to 6% Chrysotile	Undamaged	Low	1
364	S02	Plaster Surfacing - Popcorn	163	SF	586.80	Up to 6% Chrysotile	Undamaged	Low	1
365	S02	Plaster Surfacing - Popcorn	165	SF	594.00	Up to 6% Chrysotile	Undamaged	Low	1
366	S02	Plaster Surfacing - Popcorn	168	SF	604.80	Up to 6% Chrysotile	Undamaged	Low	1
399 A	S02	Plaster Surfacing - Popcorn	173	SF	622.80	Up to 6% Chrysotile	Undamaged	Low	1
399 B	S02	Plaster Surfacing - Popcorn	173	SF	622.80	Up to 6% Chrysotile	Undamaged	Low	1
399 C	S02	Plaster Surfacing - Popcorn	153	SF	550.80	Up to 6% Chrysotile	Undamaged	Low	1
399 D	S02	Plaster Surfacing - Popcorn	153	SF	550.80	Up to 6% Chrysotile	Undamaged	Low	1
NE Tunnel	M79	Thermal System Insulation - Mudded Fitting	30	MF	1,440.00	5% Chrysotile	Damaged	Moderate	4
NW Tunnel	M80	Thermal System Insulation - Mudded Fitting	18	MF	864.00	5% Chrysotile	Undamaged	Low	1

Room	Homog. Area Number	Material Description	Amount		Total Cost	Asbestos Content	Condition	Disturbance Potential	DFCM Hazard Rank
SE Tunnel	M81	Thermal System Insulation - Mudded Fitting	18	MF	864.00	5% Chrysotile	Undamaged	Low	1
SW Tunnel	M82	Thermal System Insulation - Mudded Fitting	16	MF	768.00	5% Chrysotile	Undamaged	Low	1

Note: SF = Square Feet
LF = Linear Feet
PF = Pipe Fittings
U = Units

Appendix B

Building Floor Plans



R&R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE

WASATCH HALL
FIRST - CEILING
ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
OGDEN, UTAH

SEPTEMBER 7, 2009

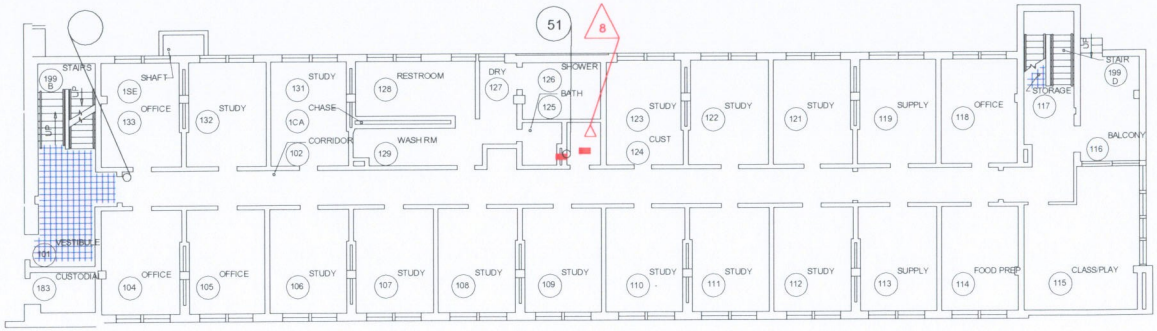
DFCM PROJECT #08086300

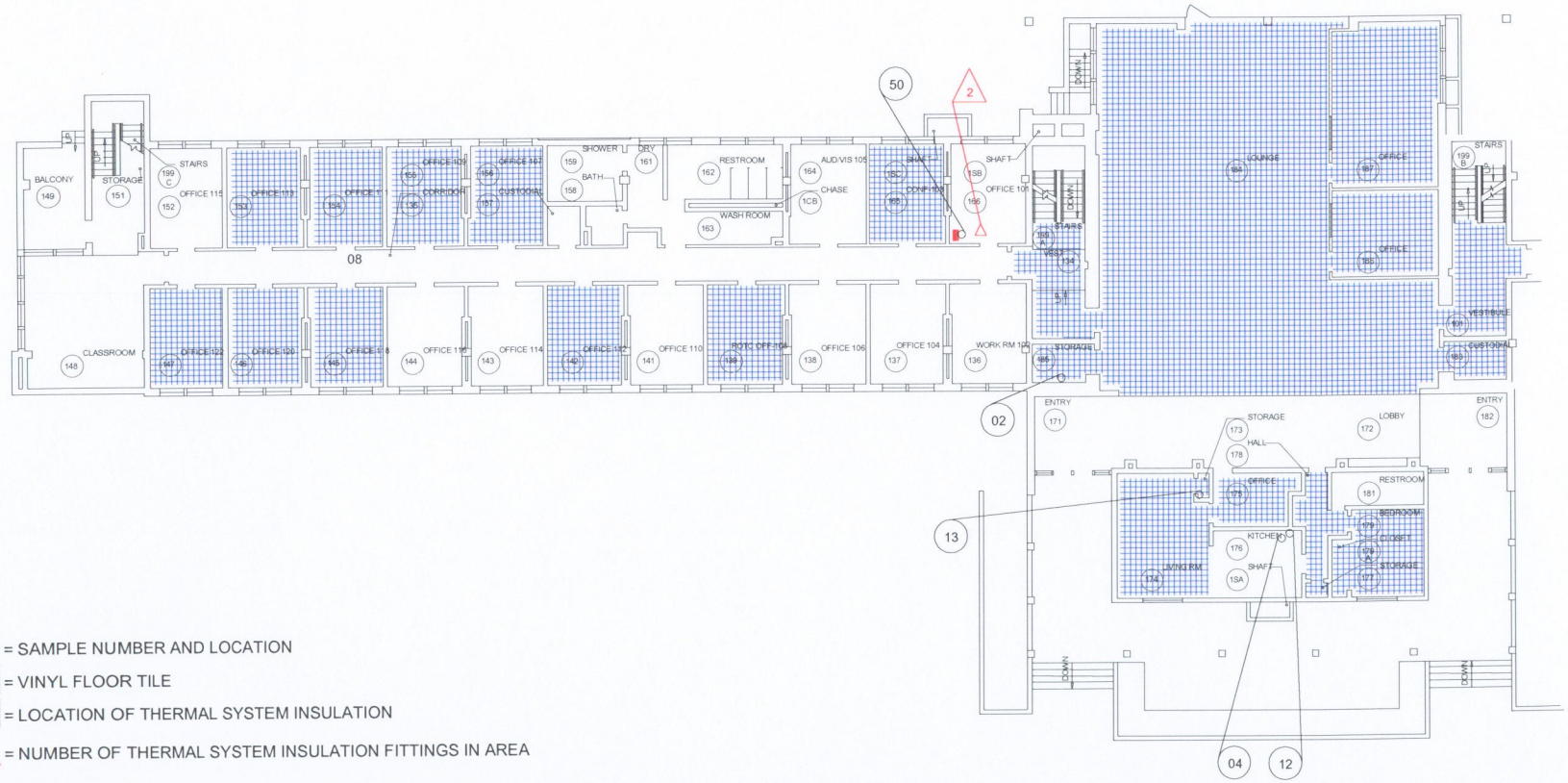
R & R ENVIRONMENTAL, INC.

WASATCH HALL
FIRST - FLOOR
ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
OGDEN, UTAH
SEPTEMBER 7, 2009

DFCM PROJECT #08086300





= SAMPLE NUMBER AND LOCATION

= VINYL FLOOR TILE

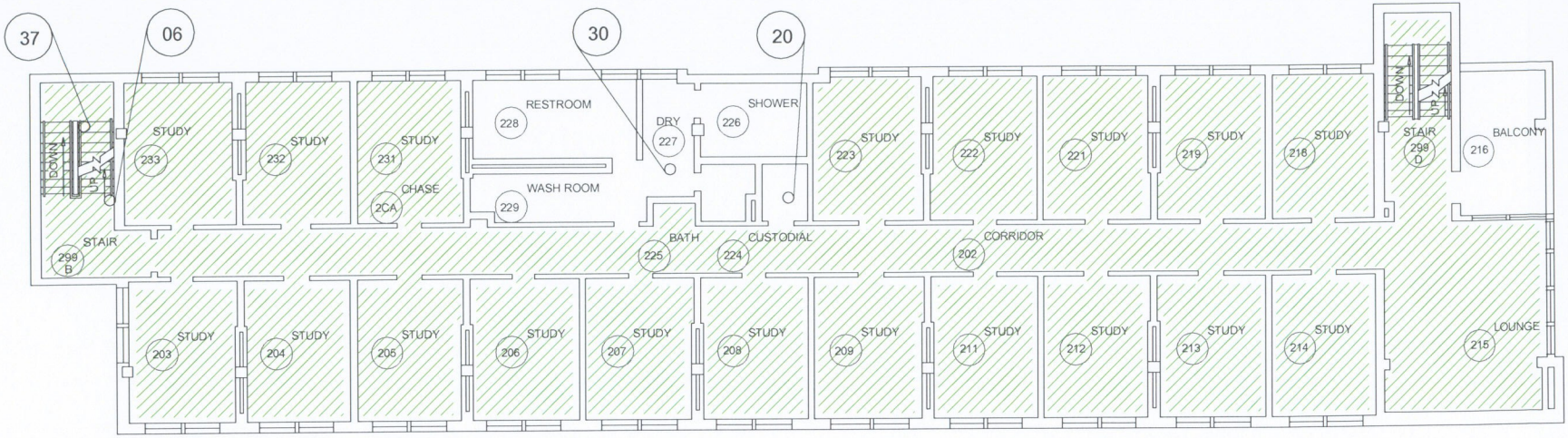
= LOCATION OF THERMAL SYSTEM INSULATION

= NUMBER OF THERMAL SYSTEM INSULATION FITTINGS IN AREA

R & R ENVIRONMENTAL, INC.

WASATCH HALL
SECOND FLOOR
ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
OGDEN, UTAH
SEPTEMBER 7, 2009
DFCM PROJECT # 08086300

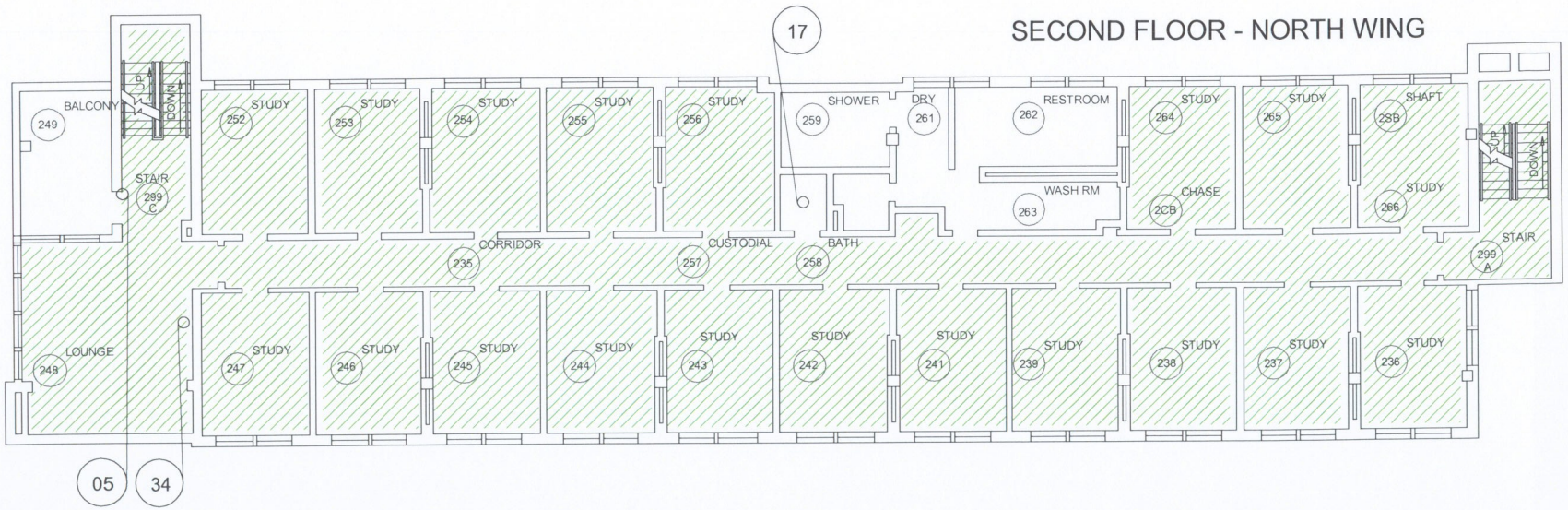


SECOND FLOOR - SOUTH WING

= SAMPLE NUMBER AND LOCATION

= PLASTER SURFACING - POPCORN

SECOND FLOOR - NORTH WING



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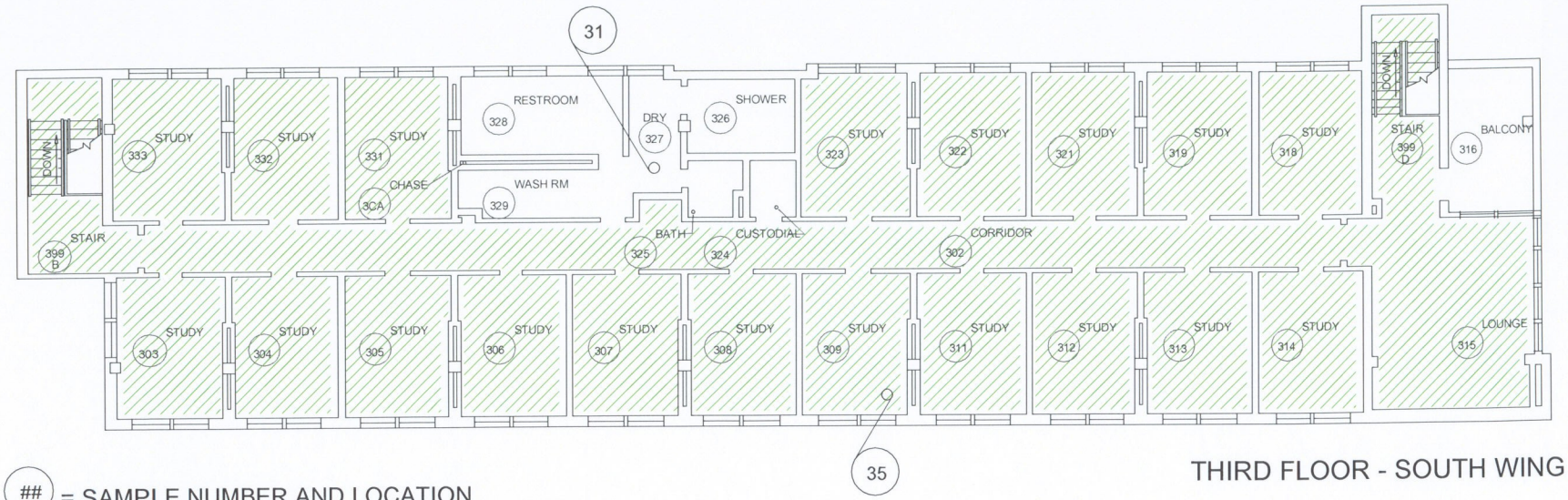
WASATCH HALL
THIRD FLOOR
ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
OGDEN, UTAH
SEPTEMBER 7, 2009
DFCM PROJECT # 08086300

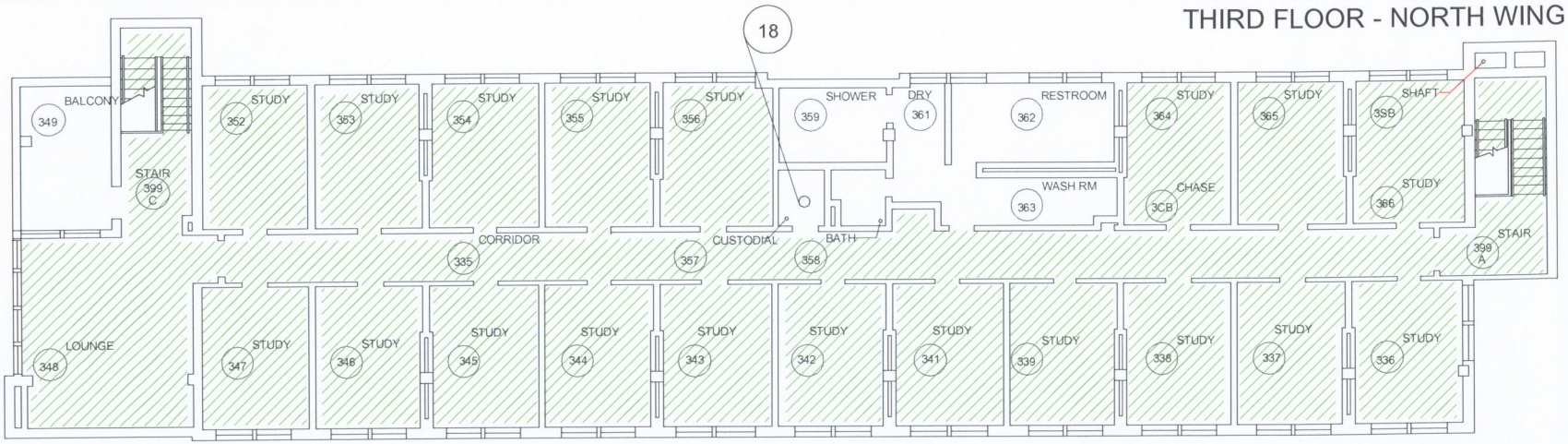


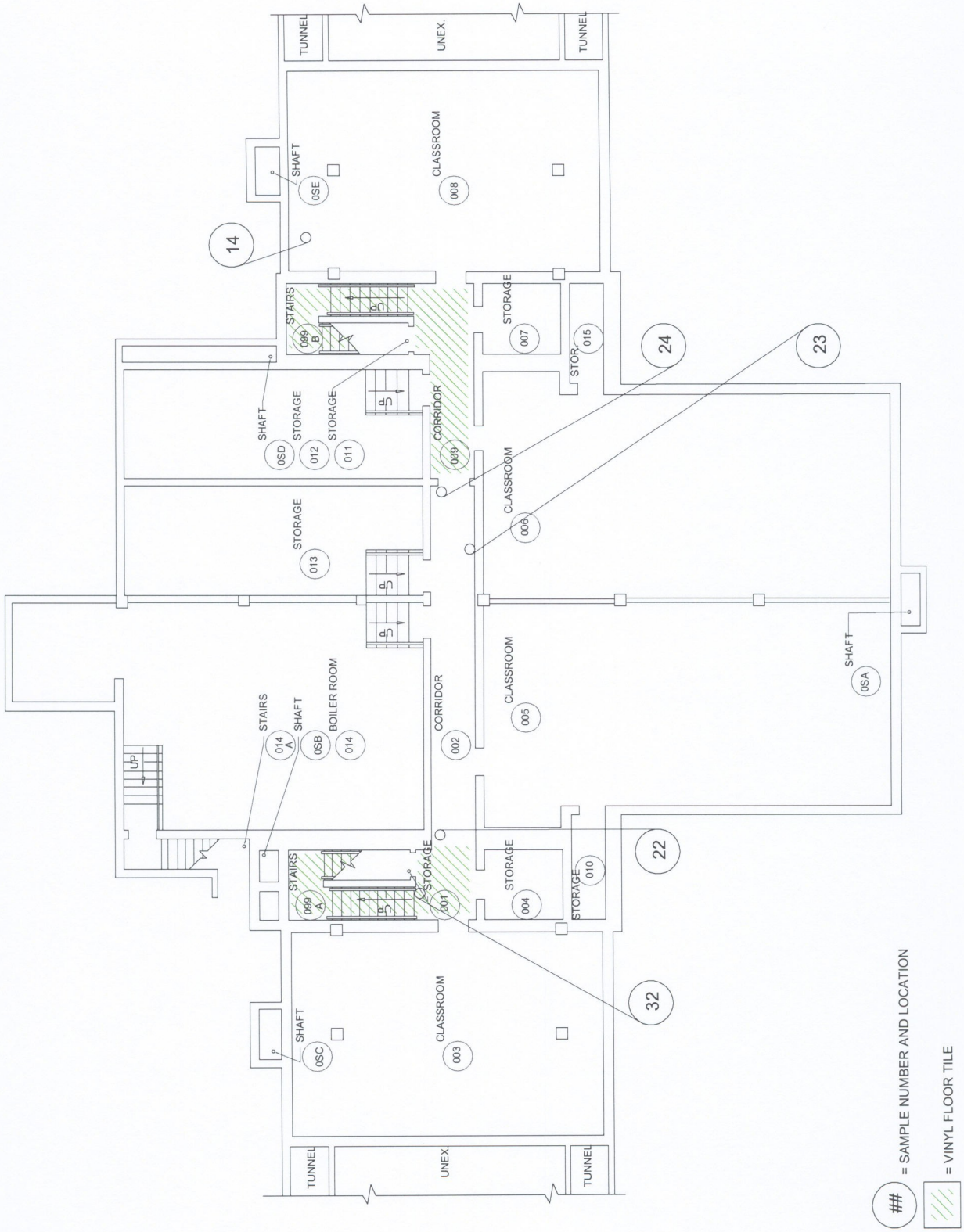
THIRD FLOOR - SOUTH WING

= SAMPLE NUMBER AND LOCATION

= PLASTER SURFACING - POPCORN

THIRD FLOOR - NORTH WING





R & R ENVIRONMENTAL, INC.
ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 2000 South, Suite 03 Sandy, Utah 84070
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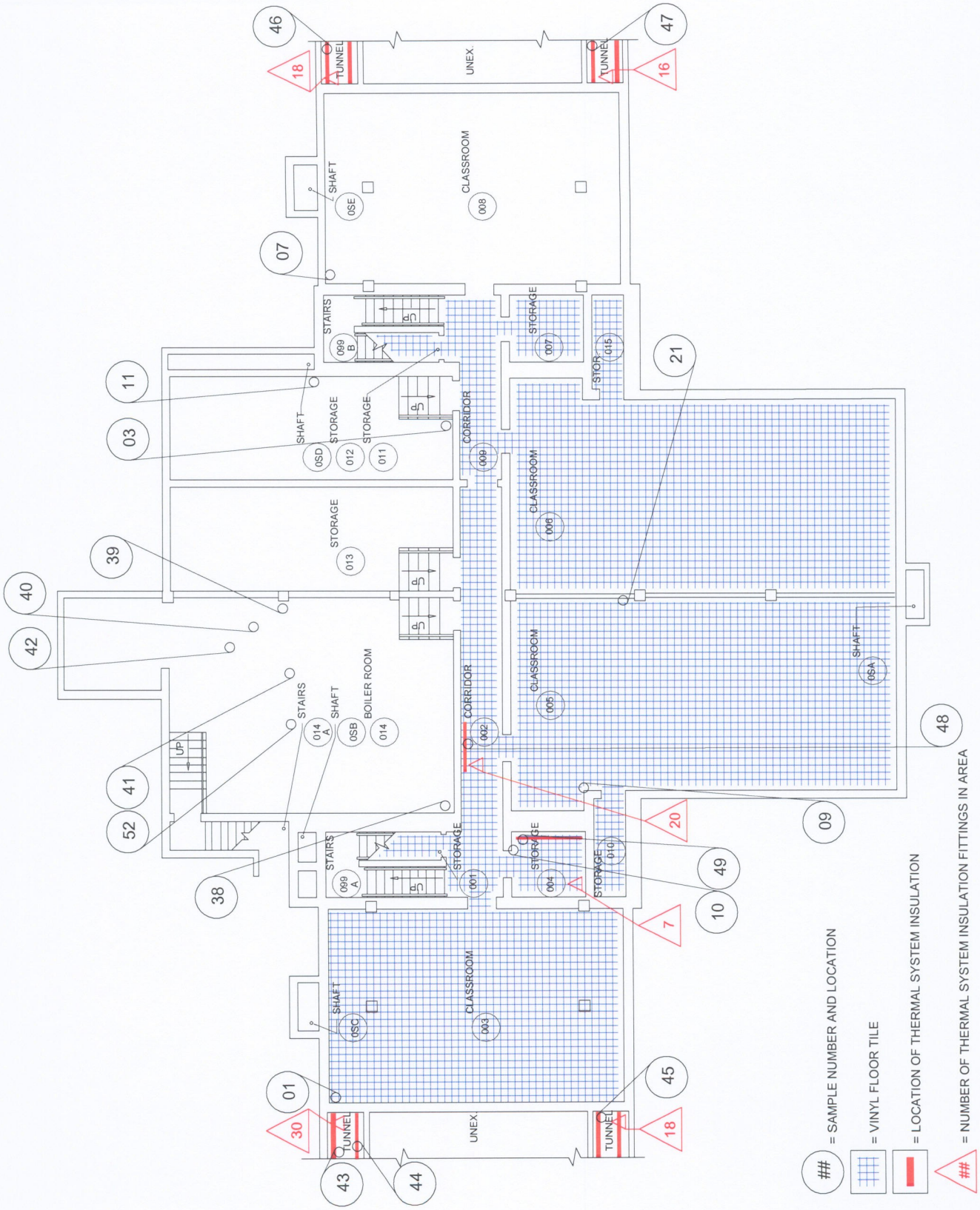
WASATCH HALL

BASEMENT - CEILING
ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
OGDEN, UTAH

SEPTEMBER 7, 2009

DFCM PROJECT # 08086300



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WASATCH HALL

BASEMENT - FLOOR

ASBESTOS FLOOR PLAN

WEBER STATE UNIVERSITY
OGDEN, UTAH

SEPTEMBER 7, 2009

DFCM PROJECT # 08086300

Appendix C

Photograph Log

Photograph Log
Wasatch Hall
Weber State University

1. Exterior West elevation.

2. Vinyl Floor Tile contains asbestos. Homogeneous Area M01

3. Vinyl Floor Tile contains asbestos. Homogeneous Area M02

4. Plaster Surfacing - Popcorn contains asbestos. Homogeneous Area S02

5. Thermal System Insulation – Mudded Fittings contains asbestos. Homogeneous Area T04

6. Thermal System Insulation – Mudded Fittings contains asbestos. Homogeneous Area T04

PHOTO 1

PHOTO 2

PHOTO 3

PHOTO 4

R & R Environmental, Inc.

47 West 9000 South, Suite #2, Sandy, Utah 84070
(801) 352-2380 • Fax: (801) 352-2381

PROJECT NO:		
DESIGNED BY:	SCALE:	REVIEWED BY:
DRAWN BY:	DATE:	FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

WASATCH HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

PHOTO 5

PHOTO 6

R & R Environmental, Inc.
47 West 9000 South, Suite #2, Sandy, Utah 84070
(801) 352-2380 • Fax: (801) 352-2381

PROJECT NO:		
DESIGNED BY:	SCALE:	REVIEWED BY:
DRAWN BY:	DATE:	FILE:

SITE PHOTOGRAPHS

ASBESTOS SURVEY AND ASSESSMENT

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WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

Appendix D

Laboratory Analytical Reports

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY # 101579
NVLAP LAB CODE 101012-0

August 18, 2009

Mr. Dave Roskelley
R&R Environmental
47 West 9000 South, Unit #2
Sandy, UT 84070

Ref: Batch # 85752, Lab # RR24035 - RR24086
Received August 11, 2009
Test report
DFCM-Weber SU - Wasatch Hall
Sampled by Jon Craig, 8/07/09

Dear Mr. Roskelley:

Samples RR24035 through RR24086 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982, and EPA/600/R-93/116 July 1993 optical microscopy test methods. Appendix "A" contains statements which an accredited laboratory must make to meet the requirements of accrediting agencies. It also contains additional information about the method of analysis. This analysis is accredited by NVLAP. Appendix "A" must be included as an essential part of this test report. The data for this report is accredited by NVLAP for laboratory number 101012-0. It does not contain data or calibrations for tests performed under the AIHA program under lab code 101579.

This report may be reproduced but all reproduction must be in full unless written approval is received from the laboratory for partial reproduction. The results of analysis are as follows:

Lab RR24035, Field WSUWH-01 9" VFT #1, 003
This is **6% chrysotile asbestos** in a gray plastic and limestone tile.

Note: Asbestos is none detected in the yellow resin mastic.

The tile is 98% of the sample. The mastic is 2% of the sample.

Lab RR24036, Field WSUWH-02 9" VFT #2, 185
This is **12% chrysotile asbestos** in a gray plastic and limestone tile.

Note: Asbestos is none detected in the black tar mastic.

The tile is 99% of the sample. The mastic is 1% of the sample.

78 WEST 2400 SOUTH • SOUTH SALT LAKE, UTAH 84115-3013
PHONE 801-486-0800 • FAX 801-486-0849 • RES. 801-571-7695

Lab RR24037, Field WSUWH-03 12" VFT #1, 012
This sample contains three types of material: The first type is gray plastic and limestone tile; the second type is black tar mastic; the third type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 95% of the sample. The second type is 2% of the sample. The third type is 3% of the sample.

Lab RR24038, Field WSUWH-04 RVF #1, 176
This sample contains two types of material: The first type is white plastic and limestone; the second type is 20% fiberglass in yellow resin binder. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 90% of the sample. The second type is 10% of the sample.

Lab RR24039, Field WSUWH-05 RVF #2, 248
This sample contains two types of material: The first type is yellow resin mastic and debris; the second type is 5% plant fiber in brown plastic and limestone tile. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR24040, Field WSUWH-06 RVF #2, 299 B
This sample contains two types of material: The first type is 10% organic fiber in yellow resin mastic and debris; the second type is 5% plant fiber in brown plastic and limestone tile. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR24041, Field WSUWH-07 Mastic, 008
This is black tar with a trace of debris. **Asbestos is none detected.**

Lab RR24042, Field WSUWH-08 Mastic, 102
This is a non-homogenous mixture of black tar and yellow resin mastic. **Asbestos is none detected.**

The analysis sensitivity is limited due to small sample.

Lab RR24043, Field WSUWH-09 Cove Base #1, 005
This sample contains two types of material: The first type is yellow binder with limestone; the second type is gray rubber and limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR24044, Field WSUWH-10 Cove Base #2, 004
This sample contains two types of material: The first type is yellow resin mastic; the second type is brown rubber and limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR24045, Field WSUWH-11 Cove Base #3, 012
This sample contains three types of material: The first type is yellow resin mastic; the second type is white paint; the third type is gray rubber and limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 2% of the sample. The second type is less than 1% of the sample. The third type is greater than 97% of the sample.

Lab RR24046, Field WSUWH-12 Cove Base #4, 176
This sample contains two types of material: The first type is yellow resin mastic; the second type is gray rubber and limestone. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR24047, Field WSUWH-13 Cove Base #5, 173
This sample contains two types of material: The first type is gray rubber and limestone; the second type is yellow resin mastic. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 95% of the sample. The second type is 5% of the sample.

Lab RR24048, Field WSUWH-14 12" CT #1, 008
This sample contains three types of material: The first type is 1% wollastonite in brown resin mastic; the second type is white paint; the third type is brown compressed wood fiber. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 15% of the sample. The second type is 1% of the sample. The third type is 84% of the sample.

Lab RR24049, Field WSUWH-15 12" CT #2 186
This sample contains three types of material: The first type is less than 1% talc fiber and **less than 1% tremolite cleavage fragments** in white paint; the second type is 70% mineral wool in gray resin binder; the third type is brown resin mastic. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 88% of the sample. The third type is 10% of the sample.

Note: Some of the tremolite cleavage fragments have an aspect ratio of greater than 3:1. EPA 600/M4-82-020 defines asbestos as being positively identified as one of the minerals listed in Table 1-1 with an aspect ratio of greater than 3:1. EPA/600/R-93-116 does not classify this tremolite as asbestos. OSHA ID 191 has exempted tremolite cleavage fragments from inclusion in the OSHA asbestos standard.

Lab RR24050, Field WSUWH-16 Plaster, 157
This sample contains three types of material: The first type is off white paint; the second type is white plaster with sand; the third type is off-white plaster with sand, less than 1% fiberglass. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 2% of the sample. The second type is 10% of the sample. The third type is 88% of the sample.

Lab RR24051, Field WSUWH-17 Plaster, 257
This sample contains three types of material: The first type is off white paint; the second type is white plaster with sand; the third type is off-white plaster with sand, less than 1% fiberglass. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 1% of the sample. The second type is 10% of the sample. The third type is 89% of the sample.

Lab RR24052, Field WSUWH-18 Plaster, 357
This sample contains three types of material: The first type is off white paint; the second type is white plaster with sand; the third type is off-white plaster with sand, less than 1% fiberglass. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 1% of the sample. The second type is 9% of the sample. The third type is 90% of the sample.

Lab RR24053, Field WSUWH-19 Plaster, 124 S.
This sample contains three types of material: The first type is off white paint; the second type is white plaster with sand; the third type is off-white plaster with sand, less than 1% fiberglass. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 1% of the sample. The second type is 9% of the sample. The third type is 90% of the sample.

Lab RR24054, Field WSUWH-20 Plaster, 224 S.
This sample contains three types of material: The first type is off white paint; the second type is white plaster with sand; the third type is off-white plaster with sand, less than 1% fiberglass. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 1% of the sample. The second type is 10% of the sample. The third type is 89% of the sample.

Lab RR24055, Field WSUWH-21 Wall System, 005
This sample contains white limestone plaster with perlite, brown plant fiber paper, and white gypsum plaster with 1% plant fiber. This sample is non-homogeneous. **Asbestos is none detected.**

The plaster with perlite is 5% of the sample. The plant fiber paper is 2% of the sample. The white gypsum plaster is 93% of the sample.

Lab RR24056, Field WSUWH-22 Plaster Surfacing-TR, 002
This sample contains two types of material: The first type is white paint; the second type is white micaceous gypsum plaster. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR24057, Field WSUWH-23 Plaster Surfacing-TR, 002
This sample contains two types of material: The first type is white paint; the second type is white micaceous gypsum plaster. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

Lab RR24058, Field WSUWH-24 Plaster Surfacing-TR, 002
This sample contains two types of material: The first type is white paint; the second type is white micaceous gypsum plaster. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 10% of the sample. The second type is 90% of the sample.

The analysis sensitivity is limited in the due to small sample.

Lab RR24059, Field WSUWH-25 Plaster Surfacing-TR, 129 S.
This sample contains three types of material: The first type is white paint; the second type is white limestone plaster with perlite; the third type is tan plant fiber paper. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 25% of the sample. The second type is 70% of the sample. The third type is 5% of the sample.

Lab RR24060, Field WSUWH-26 Plaster Surfacing-TR, 162
This sample contains two types of material: The first type is off white paint; the second type is white limestone plaster with perlite. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 25% of the sample. The second type is 75% of the sample.

Lab RR24061, Field WSUWH-27 Plaster Surfacing-TR, 174
This sample contains two types of material: The first type is off white paint; the second type is white gypsum plaster with mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 20% of the sample. The second type is 80% of the sample.

Lab RR24062, Field WSUWH-28 Plaster Surfacing-TR, 179
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 20% of the sample. The second type is 80% of the sample.

Lab RR24063, Field WSUWH-29 Plaster Surfacing-TR, 181
This sample contains two types of material: The first type is white paint; the second type is white gypsum plaster with mica. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 40% of the sample. The second type is 60% of the sample.

Lab RR24064, Field WSUWH-30 Plaster Surfacing-TR, 227
This sample contains two types of material: The first type is off white paint; the second type is white limestone plaster with perlite. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 40% of the sample. The second type is 60% of the sample.

Lab RR24065, Field WSUWH-31 Plaster Surfacing-TR, 327
This sample contains two types of material: The first type is off white paint; the second type is white limestone plaster with perlite. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 30% of the sample. The second type is 70% of the sample.

Lab RR24066, Field WSUWH-32 Plaster Surfacing-PC, 002
This is **6% chrysotile asbestos** in white limestone plaster with foam plastic, mica, and white paint.

The paint is 5% of the sample.

Lab RR24067, Field WSUWH-33 Plaster Surfacing-PC, 101
This is **3% chrysotile asbestos** in white limestone plaster with vermiculite, and white paint.

The paint is 10% of the sample.

Lab RR24068, Field WSUWH-34 Plaster Surfacing-PC, 248
This is **2% chrysotile asbestos** in white limestone plaster with vermiculite, and off white paint.

The paint is 5% of the sample.

Lab RR24069, Field WSUWH-35 Plaster Surfacing-PC, 310
This is **2% chrysotile asbestos** in white limestone plaster with vermiculite, and gray white paint.

The gray paint is 10% of the sample.

Lab RR24070, Field WSUWH-36 Plaster Surfacing-PC, 104 S.
This is **2% chrysotile asbestos** in white limestone plaster with vermiculite, and gray white paint.

The paint is 5% of the sample.

Lab RR24071, Field WSUWH-37 Plaster Surfacing-PC, 299 B
This is **2% chrysotile asbestos** in white limestone plaster with vermiculite, and off white paint.

The paint is 10% of the sample.

Lab RR24072, Field WSUWH-38 TSI-BE, 014
This sample contains two types of material: The first type is 5% glasswool in off white plastic with limestone; the second type is 95% glasswool in yellow resin. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 98% of the sample. The second type is 2% of the sample.

Lab RR24073, Field WSUWH-39 TSI-BE, 014
This sample contains two types of material: The first type is 5% glasswool in white plastic with sand; the second type is 95% glasswool in yellow resin. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 98% of the sample. The second type is 2% of the sample.

Lab RR24074, Field WSUWH-40 TSI-BE, 014
This sample contains two types of material: The first type is 5% fiberglass in off white plastic with limestone; the second type is 95% glasswool in yellow resin. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 98% of the sample. The second type is 2% of the sample.

Lab RR24075, Field WSUWH-41 TSI-Saddle block, 014
This sample contains four types of material: The first type is metallic colored foil; the second type is crosswoven fiberglass; the third type is white plant fiber paper; the fourth type is 3% organic fiber and 2% fiberglass in plaster. This sample is non-homogeneous. **Asbestos is none detected.**

The first type is 2% of the sample. The second type is 1% of the sample. The third type is 1% of the sample. The fourth type is 96% of the sample.

Lab RR24076, Field WSUWH-42 TSI-Tank, 014
This is 20% mineral wool and 1% plant fiber in off white plaster. **Asbestos is none detected.**

Lab RR24077, Field WSUWH-43 TSI-MF, NE Tunnel A
This is **5% chrysotile asbestos** and 30% mineral wool in gray plaster.

Lab RR24078, Field WSUWH-44 TSI-MF, NE Tunnel B
This is **5% chrysotile asbestos** and 40% mineral wool in brown plaster and binder.

Lab RR24079, Field WSUWH-45 TSI-MF, NW Tunnel
This sample contains two types of material: The first type is off white cotton cloth; the second type is **5% chrysotile asbestos** and 30% mineral wool in gray plaster. This sample is non-homogeneous.

The first type is 3% of the sample. The second type is 97% of the sample.

Lab RR24080, Field WSUWH-46 TSI-MF, SE Tunnel
This sample contains two types of material: The first type is off white cotton cloth; the second type is **5% chrysotile asbestos** and 30% mineral wool in gray plaster. This sample is non-homogeneous.

The first type is 98% of the sample. The second type is 2% of the sample.

Lab RR24081, Field WSUWH-47 TSI-MF, SW Tunnel
This sample contains two types of material: The first type is off white cotton cloth; the second type is **5% chrysotile asbestos** and 30% mineral wool in gray plaster. This sample is non-homogeneous.

The first type is 2% of the sample. The second type is 98% of the sample.

Lab RR24082, Field WSUWH-48 TSI-MF, 002
This sample contains two types of material: The first type is off white cotton cloth; the second type is **5% chrysotile asbestos** and 30% mineral wool in gray plaster. This sample is non-homogeneous.

The first type is 5% of the sample. The second type is 95% of the sample.

Lab RR24083, Field WSUWH-49 TSI-MF, 004
This sample contains three types of material: The first type is off white paint; the second type is white cotton cloth; the third type is 20% mineral wool and **5% chrysotile asbestos** in off white plaster. This sample is non-homogeneous.

The first type is 1% of the sample. The second type is 5% of the sample. The third type is 94% of the sample.

Lab RR24084, Field WSUWH-50 TSI-MF, 101
This is **5% chrysotile asbestos** and 30% mineral wool in gray plaster.

Lab RR24085, Field WSUWH-51 TSI-MF, 124
This is **5% chrysotile asbestos** and 20% mineral wool in gray plaster.

Lab RR24086, Field WSUWH-52 Vibration Dumpner, 014
This is 80% crosswoven plant fiber in brown and white binder. **Asbestos is none detected.**

In order to be sure reagents and tools used for analysis are not contaminated with asbestos, blanks are tested. Asbestos was none detected in the blanks tested with this bulk sample set.

Very truly yours,

Steve H. Dixon, President

Analyst: Jaron D. Dixon

Analyst: Kai Samuelsen Date Analyzed: August 18, 2009

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ASBESTOS • LEAD • INDUSTRIAL HYGIENE
47 West 9000 South, Suite #2 Sandy, Utah 84070
(801) 352-2380: Office (801) 352-2381: Fax

Bulk Analytical Request Form

85752

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM - Weber SU - Wasatch Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 8/7/09

Report to be sent to:
Name: RR/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: RR/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUWH-01	9" VFT #1, 003		24035
-02	9" VFT #2, 185		24036
-03	12" VFT #1, 012		24037
-04	RVF #1, 176		24038
-05	RVF #2, 248		24039
-06	RVF #2, 299B		24040
-07	Mastic, 008		24041
-08	Mastic, 102		24042
-09	Cove Base #1, 005		24043
-10	Cove Base #2, 007		24044
-11	Cove Base #3, 012		24045
-12	Cove Base #4, 176		24046
-13	Cove Base #5, 173		24047
-14	12" CT #1, 008		24048
-15	12" CT #2, 186		24049
-16	Plaster, 157		24050

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 8/11/09 Time 1045
Received by Lab Duane Kelley Date 8/11/09 Time 10:45
Received by Analyst [signature] Date 8-18-09 Time 1000
Returned by Lab Date Time

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LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM - Weber SU - Wasatch Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 8/7/09

Report to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R+R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSUWH-17	Plaster, 257		24051
-18	Plaster, 357		24052
-19	Plaster, 124 S.		24053
-20	Plaster, 224 S.		24054
-21	Wall System, 005		24055
-22	Plaster Surfacing-TR, 002		24056
-23	Plaster Surfacing-TR, 002		24057
-24	Plaster Surfacing-TR, 002		24058
-25	Plaster Surfacing-TR, 129 S.		24059
-26	Plaster Surfacing-TR, 162		24060
-27	Plaster Surfacing-TR, 174		24061
-28	Plaster Surfacing-TR, 179		24062
-29	Plaster Surfacing-TR, 181		24063
-30	Plaster Surfacing-TR, 227		24064
-31	Plaster Surfacing-TR, 327		24065
-32	Plaster Surfacing-TC, 002		24066

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Submitted by [signature] Date 8/11/09 Time 1045
Received by Lab [signature] Date 8-11-09 Time 1045
Received by Analyst [signature] Date 8-18-09 Time 10:00
Returned by Lab Date Time

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Bulk Analytical Request Form

LAB: Dixon Information
78 West 2400 South
South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DSCM - Weber Sh - Wasatch Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 8/7/09

Report to be sent to:
Name: R&R / DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R / DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSWH-33	Plaster Surfacing-PC, 101		24067
-34	Plaster Surfacing-PC, 248		24068
-35	Plaster Surfacing-PC, 310		24069
-36	Plaster Surfacing-PC, 104 S.		24076
-37	Plaster Surfacing-PC, 299B		24071
-38	TSI-BE, 014		24072
-39	TSI-BE, 014		24073
-40	TSI-BE, 014		24074
-41	TSI-Saddleback, 014		24075
-42	TSI-Tank, 014		24076
-43	TSI-MF, NE Tunnel A		24077
-44	TSI-MF, NE Tunnel B		24078
-45	TSI-MF, NW Tunnel		24079
-46	TSI-MF, SE Tunnel		24080
-47	TSI-MF, SW Tunnel		24081
-48	TSI-MF, 002		24082

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 8/11/09 Time 1045
Received by Lab [signature] Date 8-11-09 Time 10:45
Received by Analyst [signature] Date 8-18-09 Time 10:00
Returned by Lab Date Time

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Bulk Analytical Request Form

LAB: Dixon Information
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South Salt Lake, UT 84115
Ph. 801-486-0800
Fax. 801-486-0849

Turnaround Time: **Rush** **Non-Rush**

Location sample was taken DFCM - Weber St - Wasatch Hall
Street address where sample was taken
Sampled by Jon Craig Date of Collection 8/7/09

Report to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Billing to be sent to:
Name: R&R/DCR
Address:
City: State:
Zip Code:
Telephone #:
Fax #:

Field #	Description	Date	Lab #
WSLWH-49	TSI-MF, 004		24083
-50	TSI-MF, 101		24084
-51	TSI-MF, 124		24085
-52	Vibration Dampner, 017		24086

Chain of Custody

By submitting asbestos samples for analysis and/or signing a chain of custody, R&R Environmental agrees that this is the equivalent of the submission of a purchase order and agrees to pay for services provided by the analytical laboratory according to its posted standard schedule of fees for services.

Submitted by [signature] Date 8/11/09 Time 1045
Received by Lab [signature] Date 8/11/09 Time 1045
Received by Analyst [signature] Date 8-18-09 Time 1000
Returned by Lab Date Time

Appendix "A"

"This report relates only to the items tested. This report must not be used to claim product endorsement by NVLAP or AIHA."

NVLAP and AIHA requires laboratories to state the condition of samples received for testing: These samples are in acceptable condition for analysis unless there is a statement in the report of analysis that a test item has some characteristics or condition that precludes analysis or requires a modification of standard analytical methodology. If a test item is not acceptable, the reasons for non-acceptability will be given under the laboratory number for that particular test item.

Methods of Analysis and Limit of Detection

In air count analysis, the result may be biased when interferences are noted.

The accuracy of asbestos analysis in bulk samples increases with increasing concentration of asbestos. Pigments, binders, small sample size, and multiple layers may affect the analysis sensitivity.

There are two methods for analysis of asbestos in a bulk test sample. Visual estimation is the most sensitive method. If an analyst makes a patient search, 0.1% or less asbestos can be detected in a bulk sample.

The second method of analysis is a statistical approach called point counting. EPA will not accept visual estimations if a laboratory detects a trace of asbestos in a sample i.e. anything less than 1% asbestos. Government agencies regulate asbestos containing materials (ACM) whenever the ACM is more than 1%. OSHA requirements apply on samples containing any amount of asbestos.

Due to the higher charge for a point count analysis, Dixon Information Inc. does not perform a point count unless authorized to do so by the client. If a sample is point counted, chemical treatments will also be used to concentrate the asbestos in the sample. This is permitted by the EPA method and it increases the accuracy of the analysis.

LEAD-BASED PAINT INSPECTION
FOR THE

WASATCH HALL
CAMPUS STUDENT HOUSING

WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY

September 7, 2009

Prepared for:

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION
AND MANAGEMENT
4110 State Office Building/Salt Lake City, Utah 84114/538-3018

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Prepared by:

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LEAD-BASED PAINT INSPECTION
WASATCH HALL
WEBER STATE UNIVERSITY

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Appendices

A. Data Tables
- Table 1 – Building Component with Lead Levels at 0.3 mg/cm^2 and above
- Table 2 – Building Component with Lead Levels below 0.3 mg/cm^2

Lead-Based Paint Inspection

Wasatch Hall
Weber State University

1.0 INTRODUCTION

On August 7, 2009, a lead-based paint (LBP) survey was conducted for the Wasatch Hall, Weber State University. The purpose of the survey was to identify lead in paint on interior and exterior surfaces of the building. Measurements for lead in paint were made using a Niton XLp 300 X-ray Fluorescence (XRF) Spectrum Analyzer. No chip sampling or laboratory analysis was performed for confirmation of XRF measurements.

The survey work was overseen by David Roskelley with R & R Environmental, Inc. in Sandy, Utah. David Roskelley has completed Lead Inspector Training through the University of Utah, Rocky Mountain Center for Occupational and Environmental Health (RMCOEH), an EPA-sponsored Regional Lead Training Center, and is certified by the State of Utah, Division of Environmental Quality, as a Lead Inspector.

The U.S. Department of housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in housing* (HUD Guidelines), Chapter7: Lead-Based Paint Inspection, 1997 Revision, was generally followed for this survey, with modifications appropriate for a non-residential building.

The following accredited and certified inspector oversaw the inspection, collection of samples and made assessment:

September 7, 2009
Date

David C. Roskelley
Lead-Based Paint Inspector
State of Utah, Division of Air Quality
Certification Number: PB-1041
Certified Safety Professional #15774
Certified Industrial Hygienist #8529

BUILDING DESCRIPTION

4.0 BUILDING DESCRIPTION

Building Identification

Building Name ..... Wasatch Hall
Building Address ..... Weber State University, Ogden, Utah 84322

Building Construction

Building Construction Date ..... ~1950
Building Type ..... Offices, Observation, Meeting Halls, Kitchens
Building Total Sq. Ft. 41,440
Structural System ..... Steel, reinforced concrete
Exterior Wall Construction ..... Brick, concrete
Floor Deck Construction ..... Concrete
Roof Construction ..... Flat, Built-up Tar
Floors Above Grade 3
Floors Below Grade 1

Interior Finishes

Floors ..... Concrete, ceramic tile, vinyl floor tile, rolled vinyl, carpet, wood
Walls ..... Plaster, wallboard system
Attic ..... No
Crawl space ..... No

Building Mechanical

Heating Plant ..... Campus Central
Main Heating Distribution ..... Radiant
Cooling Plant ..... A/C Units
Main A / C Distribution ..... Forced Air

2.0 LEAD-BASED PAINT DEFINITIONS

HUD defines "lead-based paint" as any coating that has a lead concentration of 1.0 milligram of lead per square centimeter (1.0 mg/cm^2) 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.

By 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 have 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.

3.0 PROCEDURES

3.1 Paint Sampling Methodologies

Direct measurements of lead in paint were made using a Niton 300 XLp Series X-ray Fluorescence (XRF) Spectrum Analyzer. The Niton 300 XLp Lead Paint Analyzer non-destructively measures lead concentrations of painted surfaces, regardless of the number of layers present. These instruments were developed specifically for addressing lead-based paint issues in housing and their use in identifying potential exposure hazards for renovation or construction work must be augmented by selective collection and analysis of physical paint chip samples.

The newer XRF instruments are capable of identifying lead in paint at concentrations of about 0.3 milligram per square centimeter (mg/cm^2) or greater. When lead concentrations are lower than this, the instruments are not capable of making accurate, reliable measurements, and the reported lead concentration may underestimate or overestimate the actual lead concentration in the paint. Therefore, an XRF readings of 0.4 mg/cm^2 or greater may be considered lead-containing from an OSHA perspective, and any readings of 0.3 mg/cm^2 or less should be confirmed by the collection and laboratory analysis of paint chip samples, or assumed to be positive for lead.

Where paint chip samples are necessary, samples are collected according to the protocol specified in the HUD Guidelines. The samples are then submitted to a laboratory recognized under the EPA's National Lead Laboratory Accreditation Program (NLLAP)

for analysis by flame atomic absorption spectrophotometry according to American Society of Testing and Materials (ASTM) method ASTM E 1645.

3.2 XRF Calibration

Before beginning the testing and after the testing was completed, the internal calibration of the Niton XLp 300 was checked by taking three consecutive measurements on a National Institute for Standards and Technology (NIST) standard with a known concentration of lead. These calibration checks are reported within the XRF data tables found in Appendix A of this report and are maintained in a file at R & R Environmental, Inc. to detect changes in instrument performance over time.

3.3 Lead Paint Inspection Data Tables

The XRF instrument generates a unique set of data tables for each inspection and can be exported into Microsoft Excel Spreadsheet format .xls. The Sequential Report lists the measurements made throughout the property in sequential order, from the first measurement to the last. The Data table is maintained in a file at R & R Environmental, Inc.

4.0 FINDINGS

The XRF instrument indicated that lead is present on some interior and exterior surfaces. These surfaces are listed in Table 1 "positive" building components (Measurements of 0.3 mg/cm^2 and above) in Appendix A of this report:

Interior

- Door Frames, Ceramic Tile Walls, Miscellaneous Components

Exterior

- Miscellaneous Component

Because lead has been detected in some of the building's painted surfaces, the OSHA Lead in Construction Standard (29 CFR 1926.62) applies to any construction work (including renovation and demolition) that may disturb those surfaces. The standard requires, among other things, the following:

- Initial training on the hazards of lead exposure, proper work practices, respiratory protection, and other topics;

- An initial exposure assessment, by air monitoring, to determine the lead exposure assessment, until sample analysis indicates exposures below the Permissible Exposure Limit;

- Hand washing facilities, designated clean change areas, and designated eating areas.

In addition to the above considerations, the presence of lead in demolition debris has the potential to impose limitations on where and how the debris may be disposed. The Resource Conservation and Recovery Act (RCRA), Subtitles C and D, require that the waste must be analyzed to determine the amount of leachable lead present. The type of test to be performed on the waste is the Toxicity Characteristic Leaching Procedure (TCLP) for lead, and the results of this test will determine whether the material must be handled and disposed of as hazardous waste. For structures containing large amounts of lead-containing paint, significant potential for failing the TCLP exists.

5.0 RESULTS AND RECOMMENDATIONS

Lead-based paint was found on various interior and exterior components. The lead-based paint on these components is intact. These components should be left undisturbed in place.

6.0 LIMITATIONS AND EXCLUSIONS OF WARRANTY

This lead inspection was performed using procedures and a level of diligence typically exercised by professional consultants performing similar services. However, lead-based paint (LBP) can be present in a surface, but not identified using ordinary investigative procedures.

No lead inspection can completely eliminate uncertainty regarding the presence of LBP. R & R Environmental, Inc. level of diligence and investigative procedures are intended to reduce, but not eliminate, potential uncertainty regarding the presence of LBP. The procedures used for this survey attempt to establish a balance between the competing goals of limiting investigative costs, time, and building damage, and reducing the uncertainty about unknown conditions. Therefore, the determinations in this report should not be construed as a guarantee that all LBP present in the subject property has been included in this report.

This report presents R & R Environmental, Inc.'s professional determinations, which are dependent upon information obtained during performance of consulting services. R &R Environmental, Inc. assumes no responsibility for omissions or errors resulting from inaccurate information provided by sources outside of R & R Environmental, Inc.

No warranty or guarantee, expressed or implied, is made regarding the findings, conclusions, or recommendations contained in this report. The limitations presented above supersede the requirements or provisions of all other contracts or scopes of work, implied or otherwise, except those stated or acknowledged herein.

Appendix A

Lead Paint Inspection Data Tables

Table 1

Building Components with Lead Levels at 0.3 mg/cm^2 and Above
Wasatch Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
SHUTTER CAL		1	9.26							
CALIBRATE		2	1.1							
CALIBRATE		3	1.1							
CALIBRATE		4	1.1							
TUNNEL NW	Basement	7	0.3	Door	C	Metal	Off White	Intact		
099A	Basement	23	0.4	Wall	C	Ceramic	Yellow	Intact		
4	Basement	34	0.3	Door Frame	B	Metal	Gray	Intact		
4	Basement	37	0.5	Pipe	C	Metal	Yellow	Intact		
14	Basement	51	0.4	Door Frame	D	Metal	Beige	Intact		
14	Basement	53	0.4	Door Frame	A	Metal	Beige	Intact		
14	Basement	83	4	Motor	C Center	Metal	Red	Intact		
14	Basement	90	0.3	Control Box	D	Metal	Red	Intact		
13	Basement	99	0.4	Door Frame	D	Metal	Off White	Intact		
9	Basement	107	0.4	Door Frame	A	Metal	Gray	Intact		
11	Basement	126	0.5	Handrail	D	Metal	Yellow	Intact		
7	Basement	131	0.9	Door	B	Wood	Gray	Intact		
7	Basement	132	0.3	Door Frame	B	Metal	Gray	Intact		
099B	Basement	137	0.8	Wall	C	Ceramic	Yellow	Intact		
172	Basement	151	0.4	Door Frame	D Left	Metal	Brown	Intact		
172	Basement	152	0.4	Door Frame	D Right	Metal	Brown	Intact		
172	Basement	155	0.6	Wall	C	Ceramic	Tan	Intact		
181	Basement	168	0.3	Door Frame	D	Metal	Off White	Intact		
181	Basement	171	6.3	Wall	C	Ceramic	Yellow	Intact		
179	Basement	173	0.5	Door Frame	A	Metal	Tan	Intact		
184	Basement	194	0.3	Control Box	Center	Metal	Red	Intact		
187	First	208	0.6	Wall	B	Ceramic	Tan	Intact		
183	First	211	0.6	Wall	B	Brick	Yellow	Intact		
185	First	217	0.6	Door Frame	C	Metal	Brown	Intact		
185	First	218	0.4	Wall	B	Brick	Off White	Intact		
134	First	225	0.5	Door Frame	A	Metal	Off White	Intact		
199A	First	238	0.6	Wall	C	Ceramic	Yellow	Intact		
137	First	246	0.6	Door Frame	B	Metal	Gray	Intact		
157	First	271	0.5	Door Frame	D	Metal	Gray	Intact		
157	First	279	0.4	Pipe	C	Metal	Gray	Intact		
148	First	281	0.3	Door Frame	A	Metal	Off White	Intact		
148	First	286	0.3	Wall	C	Brick	Antique White	Intact		
SHUTTER CAL		288	8.78							
199C	First	299	0.5	Wall	C	Ceramic	Yellow	Intact		
101	First	301	0.4	Door Frame	A	Metal	Gray	Intact		
101	First	302	0.4	Door Frame	C	Metal	Gray	Intact		
199B	First	315	0.5	Wall	C	Ceramic	Yellow	Intact		
109	First	324	0.3	Door Frame	B	Metal	Gray	Intact		
124	First	350	0.3	Door Frame	D	Metal	Tan	Intact		
115	First	358	0.8	Door	A	Metal	Gray	Intact		
115	First	363	0.5	Wall	A	Brick	Antique White	Intact		
115	First	364	0.4	Wall	C	Brick	Antique White	Intact		
115	First	367	0.3	Fire Ext Box	C	Metal	Gray	Intact		
199D	First	376	0.6	Wall	C	Ceramic	Yellow	Intact		
299A	First	382	0.6	Wall	C	Ceramic	Yellow	Intact		
238	First	390	0.6	Door Frame	B	Metal	Gray	Intact		
257	First	415	0.5	Door Frame	D	Metal	Gray	Intact		
257	First	423	0.4	Pipe	C	Metal	Gray	Intact		
248	First	425	0.3	Door Frame	A	Metal	Off White	Intact		
248	First	430	0.4	Wall	C	Brick	Antique White	Intact		
299C	First	438	0.5	Wall	C	Ceramic	Yellow	Intact		
299C	First	443	0.6	Wall	C	Ceramic	Yellow	Intact		
206	First	452	0.3	Door Frame	B	Metal	Gray	Intact		
224	First	478	0.4	Door Frame	D	Metal	Tan	Intact		
215	First	486	0.8	Door	A	Metal	Gray	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
215	First	491	0.5	Wall	A	Brick	Antique White	Intact		
215	First	492	0.4	Wall	C	Brick	Antique White	Intact		
215	First	495	0.3	Fire Ext Box	C	Metal	Gray	Intact		
299D	First	501	0.5	Wall	C	Ceramic	Yellow	Intact		
399A	First	507	0.6	Wall	C	Ceramic	Yellow	Intact		
336	First	515	0.6	Door Frame	B	Metal	Gray	Intact		
357	First	540	0.4	Door Frame	D	Metal	Gray	Intact		
357	First	548	0.3	Pipe	C	Metal	Gray	Intact		
348	First	550	0.3	Door Frame	A	Metal	Off White	Intact		
348	First	555	0.4	Wall	C	Brick	Antique White	Intact		
399C	First	563	0.6	Wall	C	Ceramic	Yellow	Intact		
399C	First	568	0.6	Wall	C	Ceramic	Yellow	Intact		
307	First	577	0.3	Door Frame	B	Metal	Gray	Intact		
324	First	603	0.3	Door Frame	D	Metal	Tan	Intact		
315	First	611	0.9	Door	A	Metal	Gray	Intact		
315	First	616	0.6	Wall	A	Brick	Antique White	Intact		
315	First	617	0.3	Wall	C	Brick	Antique White	Intact		
315	First	620	0.3	Fire Ext Box	C	Metal	Gray	Intact		
399D	First	626	0.8	Wall	C	Ceramic	Yellow	Intact		
EXTERIOR	First	632	2.3	Handrail	B Center	Metal	Brown	Intact		
EXTERIOR	First	638	0.5	Door Frame	C	Metal	Brown	Intact		

Note 1: A=North, B=East, C=South, D=West

Table 2

Building Components with Lead Levels Below 0.3 mg/cm^2
Wasatch Hall
Weber State University

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
TUNNEL NE	Basement	6	0.13	Door Frame	C	Metal	Off White	Intact		
TUNNEL NW	Basement	8	0.29	Door Frame	C	Metal	Off White	Intact		
3	Basement	9	0	Door	C	Wood	Clear	Intact		
3	Basement	10	0.24	Door Frame	C	Metal	Gray	Intact		
3	Basement	11	0.04	Column	Center	Plaster	Off White	Intact		
3	Basement	12	0.08	Column	Center	Plaster	Off White	Intact		
3	Basement	13	0.05	Column	C	Plaster	Off White	Intact		
3	Basement	14	0	Diffuser	C	Metal	Off White	Intact		
3	Basement	15	0.15	HEADER	C	Metal	Off White	Intact		
2	Basement	16	-0.18	Wall	A	Brick	Antique White	Intact		
2	Basement	17	0.01	Wall	B	Brick	Antique White	Intact		
2	Basement	18	0.01	Wall	D	Brick	Antique White	Intact		
2	Basement	19	0	Ceiling	Center	Wallboard	Antique White	Intact		
099A	Basement	20	0.02	Wall	A	Brick	Antique White	Intact		
099A	Basement	21	0.04	Wall	B	Brick	Antique White	Intact		
099A	Basement	22	0.02	Wall	C	Brick	Antique White	Intact		
099A	Basement	24	0.01	Floor	C	Ceramic	Carmel	Intact		
099A	Basement	25	0	Ceiling	Center	Wallboard	Off White	Intact		
099A	Basement	27	0.06	Handrail	A	Metal	Off White	Intact		
1	Basement	28	0.04	Door	D	Wood	Gray	Intact		
1	Basement	29	0.19	Door Frame	D	Metal	Gray	Intact		
1	Basement	30	0.01	Wall	A	Brick	Yellow	Intact		
1	Basement	31	0.01	Wall	C	Brick	Yellow	Intact		
1	Basement	32	0.01	Ceiling	Center	Concrete	Yellow	Intact		
4	Basement	33	0.03	Door	B	Wood	Gray	Intact		
4	Basement	35	0.01	Wall	B	Brick	Yellow	Intact		
4	Basement	36	0.04	Wall	C	Concrete	Yellow	Intact		
4	Basement	38	0.02	Valve	C	Metal	Yellow	Intact		
4	Basement	39	0.05	Valve	C	Metal	Yellow	Intact		
4	Basement	40	0	Shelf	A	Wood	Clear	Intact		
4	Basement	41	0.02	Vent	D	Metal	Yellow	Intact		
4	Basement	42	0.01	Ceiling	Center	Concrete	Yellow	Intact		
4	Basement	43	0.02	Mount	C	Metal	Yellow	Intact		
5	Basement	44	0	Door	B	Wood	Brown	Intact		
5	Basement	45	0.27	Door Frame	B	Metal	Gray	Intact		
5	Basement	46	0	Wall	C	Wallboard	White	Intact		
5	Basement	47	0.06	Column	C	Plaster	Beige	Intact		
5	Basement	48	0.01	Diffuser	B	Metal	Tan	Intact		
5	Basement	49	0	Display Cabinet	B	Wood	Black	Intact		
14	Basement	50	0.08	Door	D	Metal	Beige	Intact		
14	Basement	52	0.09	Door	A	Metal	Beige	Intact		
14	Basement	54	0.03	Wall	A	Concrete	Green	Intact		
14	Basement	55	0.01	Wall	B	Concrete	Green	Intact		
14	Basement	56	0	Wall	C Left	Concrete	Green	Intact		
14	Basement	57	0.01	Wall	C Right	Brick	Green	Intact		
14	Basement	58	0	Wall	D	Brick	Green	Intact		
14	Basement	59	0.01	Pipe	A Left	Metal	Cream	Intact		
14	Basement	60	0	Motor	A Left	Metal	Red	Intact		
14	Basement	61	0	COMP. MOTOR	A Left	Metal	Red	Intact		
14	Basement	62	0	COMP. MOTOR	A Left	Metal	Blue	Intact		
14	Basement	63	0	COMP. TANK	A Left	Metal	Green	Intact		
14	Basement	64	0	Pipe	A Left	Metal	Brown	Intact		
14	Basement	65	0.09	Vent	A	Metal	Green	Intact		
14	Basement	66	0	Vent	A	Metal	Silver	Intact		
14	Basement	67	0	Fuse Box	A Center	Metal	Gray	Intact		
14	Basement	68	0	Control Box	A Center	Metal	Gray	Intact		
14	Basement	69	0	Control Box	A Center	Metal	Gray	Intact		
14	Basement	70	0	Control Box	A Center	Metal	Gray	Intact		
14	Basement	71	0.02	Fuse Box	A Right	Metal	Gray	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
14	Basement	72	0	Fuse Box	A Right	Metal	Gray	Intact		
14	Basement	73	0.01	Control Box	B Left	Metal	Beige	Intact		
14	Basement	74	0	Pipe	B	Metal	Beige	Intact		
14	Basement	75	0	Control Box	B	Metal	Beige	Intact		
14	Basement	76	0	Control Box	B	Metal	Beige	Intact		
14	Basement	77	0	Tank	C Left	Metal	Rust	Intact		
14	Basement	78	0	Valve	C Left	Metal	Carmel	Intact		
14	Basement	79	0	Fuse Box	C Left	Metal	Gray	Intact		
14	Basement	80	0	TANK RACK	C Center	Metal	Beige	Intact		
14	Basement	81	0	Motor	C Center	Metal	Red	Intact		
14	Basement	82	0	Motor	C Center	Metal	Red	Intact		
14	Basement	83	4	Motor	C Center	Metal	Red	Intact		
14	Basement	84	0	Motor	C Center	Metal	Red	Intact		
14	Basement	85	0	Motor	C Center	Metal	Red	Intact		
14	Basement	86	0	Motor	C Center	Metal	Red	Intact		
14	Basement	87	0	Motor	C Center	Metal	Red	Intact		
14	Basement	88	0.18	Control Box	C Right	Metal	Tan	Intact		
14	Basement	89	0.23	Handrail	D	Metal	Tan	Intact		
14	Basement	91	0.18	Control Box	D	Metal	Red	Intact		
14	Basement	92	0	Boiler	D	Metal	Black	Intact		
14	Basement	93	0	Boiler PIPE	D	Metal	Black	Intact		
14	Basement	94	0	Boiler MOTOR	D	Metal	Blue	Intact		
14	Basement	95	0.03	Boiler MOTOR	D	Metal	Blue	Intact		
14	Basement	96	0.01	Vent	Center	Metal	Green	Intact		
14	Basement	97	0.01	Vent	Center	Metal	Green	Intact		
13	Basement	98	0.11	Door	D	Wood	Off White	Intact		
13	Basement	100	0.1	Wall	A	Brick	Off White	Intact		
13	Basement	101	0.13	Wall	C	Brick	Off White	Intact		
13	Basement	102	0.01	Ceiling	Center	Plaster	Off White	Intact		
13	Basement	103	0	Stair Run	D	Concrete	Rust	Intact		
13	Basement	104	0.22	Handrail	D	Metal	Cream	Intact		
13	Basement	105	0	Fuse Box	D	Metal	Gray	Intact		
13	Basement	106	0	Access Panel	Center	Metal	Gray	Intact		
9	Basement	108	0.16	Wall	B	Brick	Off White	Intact		
9	Basement	109	0.09	Wall	D	Brick	Off White	Intact		
6	Basement	110	0	Door	B	Wood	Brown	Intact		
6	Basement	111	0.29	Door Frame	B	Metal	Gray	Intact		
6	Basement	112	0	Wall	A	Wallboard	White	Intact		
6	Basement	113	0.05	Column	A	Plaster	Beige	Intact		
15	Basement	114	-0.34	Door	A	Wood	Yellow	Intact		
15	Basement	115	0.02	Wall	B	Brick	Yellow	Intact		
15	Basement	116	0.03	Wall	D	Concrete	Yellow	Intact		
15	Basement	117	0.03	Ceiling	Center	Concrete	Yellow	Intact		
15	Basement	118	0.05	Pipe	D	Metal	Yellow	Intact		
15	Basement	119	0.05	Vent	B	Metal	Yellow	Intact		
11	Basement	120	0.01	Door	D	Metal	Gray	Intact		
11	Basement	121	0.18	Door Frame	D	Metal	Gray	Intact		
11	Basement	122	0	Wall	A	Brick	Pink	Intact		
11	Basement	123	0.17	Wall	C	Concrete	Pink	Intact		
11	Basement	124	0.03	Ceiling	Center	Plaster	Pink	Intact		
11	Basement	125	0.07	Stair Run	D	Concrete	Brown	Intact		
11	Basement	127	0	Fire Ext Box	D	Metal	White	Intact		
11	Basement	128	0.08	Door	D	Wood	Gray	Intact		
11	Basement	129	0.23	Door Frame	D	Metal	Gray	Intact		
11	Basement	130	-0.03	Wall	C	Brick	Yellow	Intact		
7	Basement	133	0.02	Wall	A	Brick	Yellow	Intact		
099B	Basement	134	0.07	Wall	A	Brick	Off White	Intact		
099B	Basement	135	0.04	Wall	B	Brick	Off White	Intact		
099B	Basement	136	0.03	Wall	C	Brick	Off White	Intact		
099B	Basement	138	0	Floor	Center	Ceramic	Carmel	Intact		
099B	Basement	139	0.05	Handrail	C	Metal	Gray	Intact		
8	Basement	140	0	Door	A	Wood	Brown	Intact		
8	Basement	141	0.12	Door Frame	A	Metal	Gray	Intact		
8	Basement	142	0.13	Door Frame	C Left	Metal	Gray	Intact		
8	Basement	143	0.17	Door	C Left	Metal	Gray	Intact		
8	Basement	144	0.16	Door	C Right	Metal	Gray	Intact		
8	Basement	145	0.2	Door Frame	C Right	Metal	Gray	Intact		
8	Basement	146	0.06	Column	Center	Plaster	Off White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
8	Basement	147	0.1	Column	Center	Plaster	Off White	Intact		
8	Basement	148	0.08	HEADER	C	Metal	Off White	Intact		
8	Basement	149	0	Diffuser	C	Metal	Off White	Intact		
172	Basement	150	0.27	Door	D Left	Metal	Brown	Intact		
172	Basement	153	0.21	Door	D Right	Metal	Brown	Intact		
172	Basement	154	0	Floor	Center	Ceramic	Beige	Intact		
172	Basement	156	0	DESK	D	Wood	Clear	Intact		
172	Basement	157	0	Trim	D	Wood	Clear	Intact		
172	Basement	158	0	Diffuser	D	Metal	Tan	Intact		
172	Basement	159	0	Window Frame	D	Wood	Tan	Intact		
172	Basement	160	0	Beam	Center	Wood	Brown	Intact		
172	Basement	161	0.02	Access Panel	B Left	Metal	Tan	Intact		
178	Basement	162	0	Door	B	Wood	Clear	Intact		
178	Basement	163	0.16	Door Frame	B	Metal	Off White	Intact		
178	Basement	164	0	Wall	A	Brick	Off White	Intact		
178	Basement	165	0.04	Wall	C	Brick	Off White	Intact		
178	Basement	166	0.02	Ceiling	Center	Wallboard	Off White	Intact		
178	Basement	167	0.01	Cabinet	A	Wood	Clear	Intact		
181	Basement	169	0.04	Wall	B	Wallboard	Off White	Intact		
181	Basement	170	0.05	Wall	D	Wallboard	Off White	Intact		
181	Basement	172	0.03	Cabinet	B	Wood	Clear	Intact		
179	Basement	174	0.06	Wall	A	Brick	White	Intact		
179	Basement	175	0.05	Wall	C	Brick	White	Intact		
179	Basement	176	0.11	Ceiling	Center	Wallboard	White	Intact		
179	Basement	177	0.02	Wall	A	Wood	Clear	Intact		
176	Basement	178	0.23	Door Frame	C	Metal	Tan	Intact		
176	Basement	179	0	Wall	B	Brick	Off White	Intact		
176	Basement	180	0.05	Wall	D	Brick	Off White	Intact		
176	Basement	181	0.01	Ceiling	Center	Plaster	Off White	Intact		
176	Basement	182	0.03	Cabinet	B	Wood	Clear	Intact		
174	Basement	183	0	Wall	A	Wallboard	Off White	Intact		
174	Basement	184	0.08	Wall	B	Brick	Off White	Intact		
174	Basement	185	0.01	Ceiling	Center	Plaster	Off White	Intact		
184	Basement	186	0.29	Window Frame	A	Metal	Tan	Intact		
184	Basement	187	0.18	Window Frame	B	Metal	Tan	Intact		
184	Basement	188	0	Wall	A	Wood	Tan	Intact		
184	Basement	189	0	Wall	C Left	Wallboard	White	Intact		
184	Basement	190	0	Wall	C Right	Wood	Tan	Intact		
184	Basement	191	0.06	Handrail	C	Metal	White	Intact		
184	Basement	192	0	Beam	Center	Wood	Brown	Intact		
184	Basement	193	0	Control Box	Center	Metal	Gray	Intact		
186	First	195	0.01	Door	A	Wood	Clear	Intact		
186	First	196	0	Door Frame	A	Metal	Gray	Intact		
186	First	197	0	Window Frame	A	Metal	White	Intact		
186	First	198	0	Window Frame	D	Metal	White	Intact		
186	First	199	0	Wall	A	Wallboard	White	Intact		
186	First	200	0	Wall	B	Wallboard	White	Intact		
186	First	201	0	Wall	D	Wallboard	White	Intact		
186	First	202	0	Ceiling	Center	Wallboard	White	Intact		
187	First	203	0	Door	A	Wood	Clear	Intact		
187	First	204	0	Door Frame	A	Metal	Off White	Intact		
187	First	205	0.27	Window Frame	C	Metal	Tan	Intact		
187	First	206	0	Wall	A	Wallboard	White	Intact		
187	First	207	0	Wall	D	Wallboard	White	Intact		
183	First	209	0	Door	A	Wood	Tan	Intact		
183	First	210	0.26	Door Frame	A	Wood	Tan	Intact		
183	First	212	0	Wall	D	Brick	Yellow	Intact		
183	First	213	0.12	Ceiling	Center	Plaster	Yellow	Intact		
183	First	214	0.05	Pipe	B	Metal	Yellow	Intact		
183	First	215	0.22	Vent	B	Metal	Yellow	Intact		
185	First	216	0	Door	C	Wood	Off White	Intact		
185	First	219	0.04	Wall	D	Brick	Off White	Intact		
185	First	220	0.03	Ceiling	D	Plaster	Off White	Intact		
185	First	221	0.23	Vent	B	Metal	Off White	Intact		
185	First	222	0	Pipe	B	Metal	Off White	Intact		
185	First	223	0	Fuse Box	B	Metal	Gray	Intact		
134	First	224	0	Door	A	Wood	Clear	Intact		
134	First	226	0.26	Door Frame	C	Metal	Tan	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
134	First	227	0.02	Wall	A	Brick	Off White	Intact		
134	First	228	0.03	Wall	C	Brick	Off White	Intact		
134	First	229	0.03	Wall	D	Brick	Off White	Intact		
134	First	230	0.06	Fire Ext Box	A	Metal	White	Intact		
134	First	231	0	Handrail	A	Metal	White	Intact		
134	First	232	0	Cabinet	A	Wood	Brown	Intact		
134	First	233	0.11	Fire Ext Box	A	Metal	White	Intact		
134	First	234	0.02	Radiator	D	Metal	Gray	Intact		
199A	First	235	0.06	Wall	A	Brick	Antique White	Intact		
199A	First	236	0.04	Wall	B	Brick	Antique White	Intact		
199A	First	237	0.03	Wall	C	Brick	Antique White	Intact		
199A	First	239	0	Floor	C	Ceramic	Carmel	Intact		
199A	First	240	0.05	Handrail	Center	Metal	Antique White	Intact		
135	First	241	0.09	Wall	B	Brick	Antique White	Intact		
135	First	242	0.06	Wall	D	Brick	Antique White	Intact		
135	First	243	0	Fuse Box	B Left	Metal	Gray	Intact		
135	First	244	0	Fuse Box	B Right	Metal	Gray	Intact		
137	First	245	0	Door	B	Wood	Clear	Intact		
137	First	247	0.06	Wall	A	Brick	Off White	Intact		
137	First	248	0.05	Wall	B	Brick	Off White	Intact		
137	First	249	0.05	Wall	C	Brick	Off White	Intact		
137	First	250	0.03	Wall	D	Concrete	Off White	Intact		
137	First	251	0.02	Cabinet	B	Wood	Clear	Intact		
137	First	252	0.12	Cabinet	B	Wood	Clear	Intact		
137	First	253	0.01	Radiator	D	Metal	Gray	Intact		
137	First	254	0.07	Ceiling	Center	Concrete	Off White	Intact		
137	First	255	0	Shelf	A	Wood	Off White	Intact		
164	First	256	0	Door	D	Wood	Clear	Intact		
164	First	257	0.09	Door Frame	D	Metal	Gray	Intact		
164	First	258	0.13	Wall	A	Brick	Antique White	Intact		
164	First	259	0.01	Wall	B	Concrete	Antique White	Intact		
164	First	260	0.05	Wall	C	Brick	Antique White	Intact		
164	First	261	0.03	Wall	D	Brick	Antique White	Intact		
164	First	262	0.02	Radiator	B	Metal	Gray	Intact		
164	First	263	0.05	Cabinet	D	Wood	Clear	Intact		
164	First	264	0.01	Cabinet	D	Wood	Clear	Intact		
163	First	265	0.02	Door Frame	D	Metal	Off White	Intact		
163	First	266	0.01	Wall	B	Ceramic	Blue	Intact		
163	First	267	0.02	Wall	D	Ceramic	Off White	Intact		
163	First	268	0	Ceiling	Center	Wallboard	Off White	Intact		
162	First	269	0	Stall Door	D	Metal	Tan	Intact		
162	First	270	0.07	Radiator	B	Metal	Off White	Intact		
157	First	272	0	Wall	B	Brick	Gray	Intact		
157	First	273	0.05	Wall	C	Brick	Gray	Intact		
157	First	274	0.03	Ceiling	Center	Plaster	Gray	Intact		
157	First	275	0	Access Panel	Center	Metal	Gray	Intact		
157	First	276	0	Shelf	A	Wood	Gray	Intact		
157	First	277	0	Conduit	B	Metal	Gray	Intact		
157	First	278	0.02	Conduit	B	Metal	Gray	Intact		
148	First	280	0	Door	A	Metal	Off White	Intact		
148	First	282	0.13	Door Frame	C	Metal	Gray	Intact		
148	First	283	0	Door	C	Metal	Gray	Intact		
148	First	284	0.16	Wall	A	Brick	Antique White	Intact		
148	First	285	0.2	Wall	B	Brick	Antique White	Intact		
148	First	287	0.05	Fire Ext Box	A	Metal	Gray	Intact		
148	First	289	0.04	Fire Ext Box	C	Metal	Gray	Intact		
148	First	290	0.06	Radiator	C	Metal	Gray	Intact		
148	First	291	0.03	Radiator	A	Metal	Gray	Intact		
151	First	292	0	Door	D	Wood	Clear	Intact		
151	First	293	0.19	Door Frame	D	Metal	Antique White	Intact		
151	First	294	0.19	Wall	A	Brick	Antique White	Intact		
151	First	295	0.1	Ceiling	Center	Concrete	Antique White	Intact		
199C	First	296	0.06	Wall	A	Brick	Antique White	Intact		
199C	First	297	0.08	Wall	B	Brick	Antique White	Intact		
199C	First	298	0.09	Wall	C	Brick	Antique White	Intact		
199C	First	300	0.07	Handrail	Center	Metal	Off White	Intact		
101	First	303	0.01	Door	C	Wood	Clear	Intact		
101	First	304	0.04	Wall	A	Brick	Off White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
101	First	305	-0.15	Wall	C	Brick	Off White	Intact		
101	First	306	0.02	Wall	D	Brick	Off White	Intact		
101	First	307	0.03	Fire Ext Box	A	Metal	Gray	Intact		
101	First	308	0.04	Fire Ext Box	C	Metal	Gray	Intact		
101	First	309	0.12	Radiator	D	Metal	Gray	Intact		
101	First	310	0.06	Handrail	A	Metal	Gray	Intact		
101	First	311	0.04	Ceiling	B	Concrete	Antique White	Intact		
199B	First	312	0.06	Wall	A	Brick	Antique White	Intact		
199B	First	313	0.03	Wall	B	Brick	Antique White	Intact		
199B	First	314	0.12	Wall	C	Brick	Antique White	Intact		
199B	First	316	0.08	Handrail	C	Metal	Antique White	Intact		
102	First	317	0.15	Wall	B	Brick	Antique White	Intact		
102	First	318	0.18	Wall	D	Brick	Antique White	Intact		
102	First	319	0.04	Ceiling	C	Concrete	Antique White	Intact		
102	First	320	0.11	Fuse Box	B	Metal	Gray	Intact		
102	First	321	0.02	Fuse Box	B Right	Metal	Gray	Intact		
102	First	322	0.15	Diffuser	B Left	Metal	Antique White	Intact		
109	First	323	0	Door	B	Wood	Clear	Intact		
109	First	325	0.03	Wall	A	Brick	Off White	Intact		
109	First	326	0.02	Wall	B	Brick	Off White	Intact		
109	First	327	0.01	Wall	C	Brick	Off White	Intact		
109	First	328	0.01	Wall	D	Concrete	Off White	Intact		
109	First	329	0	Cabinet	B	Wood	Clear	Intact		
109	First	330	0	Cabinet	B	Wood	Clear	Intact		
109	First	331	0.02	Radiator	D	Metal	Antique White	Intact		
123	First	332	0	Door	D	Wood	Clear	Intact		
123	First	333	0.16	Door Frame	D	Metal	Gray	Intact		
123	First	334	0.04	Wall	A	Brick	Off White	Intact		
123	First	335	0.01	Wall	B	Concrete	Off White	Intact		
123	First	336	0.02	Wall	C	Concrete	Off White	Intact		
123	First	337	0.03	Wall	D	Concrete	Off White	Intact		
123	First	338	0.03	Radiator	B	Metal	Off White	Intact		
123	First	339	0	Shelf	C	Wood	Clear	Intact		
123	First	340	0.02	Cabinet	B	Wood	Clear	Intact		
123	First	341	0.03	Cabinet	B	Wood	Clear	Intact		
129	First	342	0	Door	D	Wood	Clear	Intact		
129	First	343	0	Door Frame	D	Metal	Gray	Intact		
129	First	344	0.04	Wall	A	Ceramic	Off White	Intact		
129	First	345	0.06	Wall	B	Ceramic	Blue	Intact		
129	First	346	0	Floor	Center	Ceramic	Tan	Intact		
129	First	347	0	Ceiling	Center	Wallboard	Off White	Intact		
128	First	348	0	Stall Door	Center	Metal	Tan	Intact		
128	First	349	0	Radiator	B	Metal	Off White	Intact		
124	First	351	0	Wall	A	Brick	Tan	Intact		
124	First	352	0.01	Wall	B	Brick	Tan	Intact		
124	First	353	0	Shelf	C	Wood	Tan	Intact		
124	First	354	0	Ceiling	Center	Plaster	Tan	Intact		
124	First	355	0	Access Panel	Center	Plaster	Tan	Intact		
124	First	356	0	Conduit	B	Metal	Tan	Intact		
124	First	357	-0.26	Pipe	A	Metal	Tan	Intact		
115	First	359	0.18	Door	A	Metal	Gray	Intact		
115	First	360	0.2	Door Frame	A	Metal	Gray	Intact		
115	First	361	0.19	Door Frame	C	Metal	Gray	Intact		
115	First	362	0	Door	C	Metal	Gray	Intact		
115	First	365	0.2	Wall	D	Brick	Antique White	Intact		
115	First	366	0.04	Fire Ext Box	A	Metal	Gray	Intact		
115	First	368	0.04	Radiator	A	Metal	Gray	Intact		
115	First	369	0.03	Radiator	C	Metal	Gray	Intact		
117	First	370	0	Door	D	Wood	Clear	Intact		
117	First	371	0.23	Door Frame	D	Metal	Gray	Intact		
117	First	372	0.22	Wall	C	Brick	Off White	Intact		
199D	First	373	0.05	Wall	A	Brick	Off White	Intact		
199D	First	374	0.05	Wall	B	Brick	Off White	Intact		
199D	First	375	0.15	Wall	C	Brick	Off White	Intact		
199D	First	377	0.16	Handrail	Center	Metal	Gray	Intact		
199D	First	378	0.06	Radiator	B	Metal	Gray	Intact		
299A	Second	379	0.06	Wall	A	Brick	Antique White	Intact		
299A	Second	380	0.04	Wall	B	Brick	Antique White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
299A	Second	381	0.03	Wall	C	Brick	Antique White	Intact		
299A	Second	383	0	Floor	C	Ceramic	Carmel	Intact		
299A	Second	384	0.05	Handrail	Center	Metal	Antique White	Intact		
235	Second	385	0.09	Wall	B	Brick	Antique White	Intact		
235	Second	386	0.06	Wall	D	Brick	Antique White	Intact		
235	Second	387	0	Fuse Box	B Left	Metal	Gray	Intact		
235	Second	388	0	Fuse Box	B Right	Metal	Gray	Intact		
238	Second	389	0	Door	B	Wood	Clear	Intact		
238	Second	391	0.06	Wall	A	Brick	Off White	Intact		
238	Second	392	0.05	Wall	B	Brick	Off White	Intact		
238	Second	393	0.05	Wall	C	Brick	Off White	Intact		
238	Second	394	0.03	Wall	D	Concrete	Off White	Intact		
238	Second	395	0.02	Cabinet	B	Wood	Clear	Intact		
238	Second	396	0.12	Cabinet	B	Wood	Clear	Intact		
238	Second	397	0.01	Radiator	D	Metal	Gray	Intact		
238	Second	398	0.07	Ceiling	Center	Concrete	Off White	Intact		
238	Second	399	0	Shelf	A	Wood	Off White	Intact		
265	Second	400	0	Door	D	Wood	Clear	Intact		
265	Second	401	0.09	Door Frame	D	Metal	Gray	Intact		
265	Second	402	0.13	Wall	A	Brick	Antique White	Intact		
265	Second	403	0.01	Wall	B	Concrete	Antique White	Intact		
265	Second	404	0.05	Wall	C	Brick	Antique White	Intact		
265	Second	405	0.03	Wall	D	Brick	Antique White	Intact		
265	Second	406	0.02	Radiator	B	Metal	Gray	Intact		
265	Second	407	0.05	Cabinet	D	Wood	Clear	Intact		
265	Second	408	0.01	Cabinet	D	Wood	Clear	Intact		
263	Second	409	0.02	Door Frame	D	Metal	Off White	Intact		
263	Second	410	0.01	Wall	B	Ceramic	Blue	Intact		
263	Second	411	0.02	Wall	D	Ceramic	Off White	Intact		
263	Second	412	0	Ceiling	Center	Wallboard	Off White	Intact		
262	Second	413	0	Stall Door	D	Metal	Tan	Intact		
262	Second	414	0.07	Radiator	B	Metal	Off White	Intact		
257	Second	416	0	Wall	B	Brick	Gray	Intact		
257	Second	417	0.05	Wall	C	Brick	Gray	Intact		
257	Second	418	0.03	Ceiling	Center	Plaster	Gray	Intact		
257	Second	419	0	Access Panel	Center	Metal	Gray	Intact		
257	Second	420	0	Shelf	A	Wood	Gray	Intact		
257	Second	421	0	Conduit	B	Metal	Gray	Intact		
257	Second	422	0.02	Conduit	B	Metal	Gray	Intact		
248	Second	424	0	Door	A	Metal	Off White	Intact		
248	Second	425	0.3	Door Frame	A	Metal	Off White	Intact		
248	Second	426	0.13	Door Frame	C	Metal	Gray	Intact		
248	Second	427	0	Door	C	Metal	Gray	Intact		
248	Second	428	0.16	Wall	A	Brick	Antique White	Intact		
248	Second	429	0.2	Wall	B	Brick	Antique White	Intact		
248	Second	431	0.05	Fire Ext Box	A	Metal	Gray	Intact		
248	Second	432	0.04	Fire Ext Box	C	Metal	Gray	Intact		
248	Second	433	0.06	Radiator	C	Metal	Gray	Intact		
248	Second	434	0.03	Radiator	A	Metal	Gray	Intact		
299C	Second	435	0.06	Wall	A	Brick	Antique White	Intact		
299C	Second	436	0.08	Wall	B	Brick	Antique White	Intact		
299C	Second	437	0.09	Wall	C	Brick	Antique White	Intact		
299C	Second	439	0.07	Handrail	Center	Metal	Off White	Intact		
299C	Second	440	0.06	Wall	A	Brick	Antique White	Intact		
299C	Second	441	0.03	Wall	B	Brick	Antique White	Intact		
299C	Second	442	0.12	Wall	C	Brick	Antique White	Intact		
299C	Second	444	0.08	Handrail	C	Metal	Antique White	Intact		
202	Second	445	0.15	Wall	B	Brick	Antique White	Intact		
202	Second	446	0.18	Wall	D	Brick	Antique White	Intact		
202	Second	447	0.04	Ceiling	C	Concrete	Antique White	Intact		
202	Second	448	0.11	Fuse Box	B	Metal	Gray	Intact		
202	Second	449	0.02	Fuse Box	B Right	Metal	Gray	Intact		
202	Second	450	0.15	Diffuser	B Left	Metal	Antique White	Intact		
206	Second	451	0	Door	B	Wood	Clear	Intact		
206	Second	452	0.3	Door Frame	B	Metal	Gray	Intact		
206	Second	453	0.03	Wall	A	Brick	Off White	Intact		
206	Second	454	0.02	Wall	B	Brick	Off White	Intact		
206	Second	455	0.01	Wall	C	Brick	Off White	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
206	Second	456	0.01	Wall	D	Concrete	Off White	Intact		
206	Second	457	0	Cabinet	B	Wood	Clear	Intact		
206	Second	458	0	Cabinet	B	Wood	Clear	Intact		
206	Second	459	0.02	Radiator	D	Metal	Antique White	Intact		
221	Second	460	0	Door	D	Wood	Clear	Intact		
221	Second	461	0.16	Door Frame	D	Metal	Gray	Intact		
221	Second	462	0.04	Wall	A	Brick	Off White	Intact		
221	Second	463	0.01	Wall	B	Concrete	Off White	Intact		
221	Second	464	0.02	Wall	C	Concrete	Off White	Intact		
221	Second	465	0.03	Wall	D	Concrete	Off White	Intact		
221	Second	466	0.03	Radiator	B	Metal	Off White	Intact		
221	Second	467	0	Shelf	C	Wood	Clear	Intact		
221	Second	468	0.02	Cabinet	B	Wood	Clear	Intact		
221	Second	469	0.03	Cabinet	B	Wood	Clear	Intact		
229	Second	470	0	Door	D	Wood	Clear	Intact		
229	Second	471	0	Door Frame	D	Metal	Gray	Intact		
229	Second	472	0.04	Wall	A	Ceramic	Off White	Intact		
229	Second	473	0.06	Wall	B	Ceramic	Blue	Intact		
229	Second	474	0	Floor	Center	Ceramic	Tan	Intact		
229	Second	475	0	Ceiling	Center	Wallboard	Off White	Intact		
228	Second	476	0	Stall Door	Center	Metal	Tan	Intact		
228	Second	477	0	Radiator	B	Metal	Off White	Intact		
224	Second	479	0	Wall	A	Brick	Tan	Intact		
224	Second	480	0.01	Wall	B	Brick	Tan	Intact		
224	Second	481	0	Shelf	C	Wood	Tan	Intact		
224	Second	482	0	Ceiling	Center	Plaster	Tan	Intact		
224	Second	483	0	Access Panel	Center	Plaster	Tan	Intact		
224	Second	484	0	Conduit	B	Metal	Tan	Intact		
224	Second	485	0	Pipe	A	Metal	Tan	Intact		
215	Second	487	0.18	Door	A	Metal	Gray	Intact		
215	Second	488	0.2	Door Frame	A	Metal	Gray	Intact		
215	Second	489	0.19	Door Frame	C	Metal	Gray	Intact		
215	Second	490	0	Door	C	Metal	Gray	Intact		
215	Second	493	0.2	Wall	D	Brick	Antique White	Intact		
215	Second	494	0	Fire Ext Box	A	Metal	Gray	Intact		
215	Second	496	0	Radiator	A	Metal	Gray	Intact		
215	Second	497	0.03	Radiator	C	Metal	Gray	Intact		
299D	Second	498	0.05	Wall	A	Brick	Off White	Intact		
299D	Second	499	0.05	Wall	B	Brick	Off White	Intact		
299D	Second	500	0.15	Wall	C	Brick	Off White	Intact		
299D	Second	502	0.16	Handrail	Center	Metal	Gray	Intact		
299D	Second	503	0.06	Radiator	B	Metal	Gray	Intact		
399A	Third	504	0.1	Wall	A	Brick	Antique White	Intact		
399A	Third	505	0	Wall	B	Brick	Antique White	Intact		
399A	Third	506	0	Wall	C	Brick	Antique White	Intact		
399A	Third	508	0	Floor	C	Ceramic	Carmel	Intact		
399A	Third	509	0.09	Handrail	Center	Metal	Antique White	Intact		
335	Third	510	0.08	Wall	B	Brick	Antique White	Intact		
335	Third	511	0.04	Wall	D	Brick	Antique White	Intact		
335	Third	512	0	Fuse Box	B Left	Metal	Gray	Intact		
335	Third	513	0	Fuse Box	B Right	Metal	Gray	Intact		
336	Third	514	0	Door	B	Wood	Clear	Intact		
336	Third	516	0.06	Wall	A	Brick	Off White	Intact		
336	Third	517	0.06	Wall	B	Brick	Off White	Intact		
336	Third	518	0.05	Wall	C	Brick	Off White	Intact		
336	Third	519	0	Wall	D	Concrete	Off White	Intact		
336	Third	520	0	Cabinet	B	Wood	Clear	Intact		
336	Third	521	0.19	Cabinet	B	Wood	Clear	Intact		
336	Third	522	0	Radiator	D	Metal	Gray	Intact		
336	Third	523	0.06	Ceiling	Center	Concrete	Off White	Intact		
336	Third	524	0	Shelf	A	Wood	Off White	Intact		
365	Third	525	0	Door	D	Wood	Clear	Intact		
365	Third	526	0	Door Frame	D	Metal	Gray	Intact		
365	Third	527	0.1	Wall	A	Brick	Antique White	Intact		
365	Third	528	0.01	Wall	B	Concrete	Antique White	Intact		
365	Third	529	0	Wall	C	Brick	Antique White	Intact		
365	Third	530	0	Wall	D	Brick	Antique White	Intact		
365	Third	531	0	Radiator	B	Metal	Gray	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
365	Third	532	0.02	Cabinet	D	Wood	Clear	Intact		
365	Third	533	0	Cabinet	D	Wood	Clear	Intact		
363	Third	534	0	Door Frame	D	Metal	Off White	Intact		
363	Third	535	0	Wall	B	Ceramic	Blue	Intact		
363	Third	536	0	Wall	D	Ceramic	Off White	Intact		
363	Third	537	0	Ceiling	Center	Wallboard	Off White	Intact		
362	Third	538	0	Stall Door	D	Metal	Tan	Intact		
362	Third	539	0.06	Radiator	B	Metal	Off White	Intact		
357	Third	541	0	Wall	B	Brick	Gray	Intact		
357	Third	542	0.05	Wall	C	Brick	Gray	Intact		
357	Third	543	0	Ceiling	Center	Plaster	Gray	Intact		
357	Third	544	0	Access Panel	Center	Metal	Gray	Intact		
357	Third	545	0	Shelf	A	Wood	Gray	Intact		
357	Third	546	0	Conduit	B	Metal	Gray	Intact		
357	Third	547	0	Conduit	B	Metal	Gray	Intact		
348	Third	549	0	Door	A	Metal	Off White	Intact		
348	Third	551	0	Door Frame	C	Metal	Gray	Intact		
348	Third	552	0	Door	C	Metal	Gray	Intact		
348	Third	553	0.1	Wall	A	Brick	Antique White	Intact		
348	Third	554	0.2	Wall	B	Brick	Antique White	Intact		
348	Third	556	0	Fire Ext Box	A	Metal	Gray	Intact		
348	Third	557	0.07	Fire Ext Box	C	Metal	Gray	Intact		
348	Third	558	0	Radiator	C	Metal	Gray	Intact		
348	Third	559	0	Radiator	A	Metal	Gray	Intact		
399C	Third	560	0.09	Wall	A	Brick	Antique White	Intact		
399C	Third	561	0.02	Wall	B	Brick	Antique White	Intact		
399C	Third	562	0.09	Wall	C	Brick	Antique White	Intact		
399C	Third	564	0.08	Handrail	Center	Metal	Off White	Intact		
399C	Third	565	0.08	Wall	A	Brick	Antique White	Intact		
399C	Third	566	0	Wall	B	Brick	Antique White	Intact		
399C	Third	567	0.11	Wall	C	Brick	Antique White	Intact		
399C	Third	569	0.04	Handrail	C	Metal	Antique White	Intact		
302	Third	570	0.14	Wall	B	Brick	Antique White	Intact		
302	Third	571	0.19	Wall	D	Brick	Antique White	Intact		
302	Third	572	0	Ceiling	C	Concrete	Antique White	Intact		
302	Third	573	0.17	Fuse Box	B	Metal	Gray	Intact		
302	Third	574	0.03	Fuse Box	B Right	Metal	Gray	Intact		
302	Third	575	0.13	Diffuser	B Left	Metal	Antique White	Intact		
307	Third	576	0	Door	B	Wood	Clear	Intact		
307	Third	578	0.03	Wall	A	Brick	Off White	Intact		
307	Third	579	0	Wall	B	Brick	Off White	Intact		
307	Third	580	0.09	Wall	C	Brick	Off White	Intact		
307	Third	581	0.01	Wall	D	Concrete	Off White	Intact		
307	Third	582	0	Cabinet	B	Wood	Clear	Intact		
307	Third	583	0	Cabinet	B	Wood	Clear	Intact		
307	Third	584	0.02	Radiator	D	Metal	Antique White	Intact		
322	Third	585	0	Door	D	Wood	Clear	Intact		
322	Third	586	0	Door Frame	D	Metal	Gray	Intact		
322	Third	587	0	Wall	A	Brick	Off White	Intact		
322	Third	588	0.01	Wall	B	Concrete	Off White	Intact		
322	Third	589	0	Wall	C	Concrete	Off White	Intact		
322	Third	590	0	Wall	D	Concrete	Off White	Intact		
322	Third	591	0.03	Radiator	B	Metal	Off White	Intact		
322	Third	592	0	Shelf	C	Wood	Clear	Intact		
322	Third	593	0	Cabinet	B	Wood	Clear	Intact		
322	Third	594	0	Cabinet	B	Wood	Clear	Intact		
329	Third	595	0	Door	D	Wood	Clear	Intact		
329	Third	596	0	Door Frame	D	Metal	Gray	Intact		
329	Third	597	0	Wall	A	Ceramic	Off White	Intact		
329	Third	598	0.21	Wall	B	Ceramic	Blue	Intact		
329	Third	599	0	Floor	Center	Ceramic	Tan	Intact		
329	Third	600	0	Ceiling	Center	Wallboard	Off White	Intact		
328	Third	601	0	Stall Door	Center	Metal	Tan	Intact		
328	Third	602	0	Radiator	B	Metal	Off White	Intact		
324	Third	604	0	Wall	A	Brick	Tan	Intact		
324	Third	605	0	Wall	B	Brick	Tan	Intact		
324	Third	606	0	Shelf	C	Wood	Tan	Intact		
324	Third	607	0	Ceiling	Center	Plaster	Tan	Intact		

Room	Floor	Sample Number	Lead Level (mg/cm^2)	Component	Side (1)	Substrate	Color	Condition	Paint Chip Sample #	Chip Level (mg/cm2)
324	Third	608	0	Access Panel	Center	Plaster	Tan	Intact		
324	Third	609	0	Conduit	B	Metal	Tan	Intact		
324	Third	610	0	Pipe	A	Metal	Tan	Intact		
315	Third	612	0.1	Door	A	Metal	Gray	Intact		
315	Third	613	0.2	Door Frame	A	Metal	Gray	Intact		
315	Third	614	0.29	Door Frame	C	Metal	Gray	Intact		
315	Third	615	0	Door	C	Metal	Gray	Intact		
315	Third	618	0.22	Wall	D	Brick	Antique White	Intact		
315	Third	619	0	Fire Ext Box	A	Metal	Gray	Intact		
315	Third	621	0.09	Radiator	A	Metal	Gray	Intact		
315	Third	622	0.03	Radiator	C	Metal	Gray	Intact		
399D	Third	623	0	Wall	A	Brick	Off White	Intact		
399D	Third	624	0	Wall	B	Brick	Off White	Intact		
399D	Third	625	0.18	Wall	C	Brick	Off White	Intact		
399D	Third	627	0.16	Handrail	Center	Metal	Gray	Intact		
399D	Third	628	0	Radiator	B	Metal	Gray	Intact		
EXTERIOR	First	629	0	Door	A	Metal	Brown	Intact		
EXTERIOR	First	630	0.2	Door Frame	A	Metal	Brown	Intact		
EXTERIOR	First	631	0.01	WINDOW PANEL	B Right	Metal	Gray	Intact		
EXTERIOR	First	633	0.22	Door Frame	B Center	Metal	Brown	Intact		
EXTERIOR	First	634	0.07	Door Frame	B Center	Metal	Brown	Intact		
EXTERIOR	First	635	0.16	Door Frame	B Center	Metal	Brown	Intact		
EXTERIOR	First	636	0	Handrail	C	Metal	Gray	Intact		
EXTERIOR	First	637	0	Door	C	Metal	Brown	Intact		
EXTERIOR	First	639	0	WINDOW PANEL	D	Metal	Gray	Intact		
EXTERIOR	First	640	0.2	Door	D Center	Metal	Brown	Intact		
EXTERIOR	First	641	0.18	Door Frame	D Center	Metal	Brown	Intact		
EXTERIOR	First	642	0.23	Door Frame	D Center	Metal	Brown	Intact		
EXTERIOR	First	643	0.29	Door	D Center	Metal	Brown	Intact		
EXTERIOR	First	644	0.13	Handrail	D Center	Metal	Black	Intact		

Note 1: A=North, B=East, C=South, D=West

HAZARDOUS MATERIALS INSPECTION
FOR THE
WASATCH HALL
WEBER STATE UNIVERSITY
OGDEN, UTAH 84322

DFCM PROJECT NUMBER: 09191810

WEBER STATE UNIVERSITY

September 7, 2009

Prepared for:

State of Utah–Department of Administrative Services

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Hazardous Materials Inspection

Wasatch Hall
Weber State University
Ogden, Utah

On August 7, 2009, Jon Craig of R & R Environmental, Inc., conducted a hazardous materials inspection of the Wasatch Hall located at Weber State University, Ogden, Utah. The purpose of this survey was to identify the existence, extent, and condition of hazardous materials. The inspection was conducted based on a agreement with Mr. Robert J. Anderson, State of Utah Division of Facility Construction and Management (DFCM), Hazardous Material Manager.

Hazardous materials requiring proper removal and disposal was identified at the Wasatch Hall, Weber State University, Ogden, Utah as follows:

Material	Location	Quantity	Unit Cost
A/C Units	Various Offices	3 Units	$100.00
PCB Ballast	Throughout	538 units	$1.00/lbs. (avg. 5lbs./unit)
Fluorescent Light	Throughout	832 tubes	$0.50/linear foot

The State of Utah's DFCM policy requires the items above to be removed and disposed of at a facility approved to accept such waste prior to demolition. This may or may not be applied to the city of Ogden, Weber County, but R & R Environmental, Inc. recommends removal and proper disposal of these components prior to any demolition activities.

The cost estimate to remove and dispose of these hazardous materials is estimated at approximately **$4,654.00**. This cost estimate does not include transportation, removal, design, or management fees associated with dismantling and packaging the materials.