ADDENDUM NO. 1

DATE 06/26/2018

To all Bidders on the Project titled: CR_Project-0852: Demo OLD Library, Life Science and Physical Sciences Building implementation

Reference Bid Documents dated 06/21/2018.

The attention of bidders submitting proposals for the above subject project is called to the following addendum to the Bid Docs. The items set forth herein, whether of omission, addition, substitution, or clarifications are all to be included in and form a part of the proposal submitted.

THE NUMBER OF THIS ADDENDUM (1) MUST BE ENTERED IN THE APPROPRIATE SPACE PROVIDED in the bid package.

Addendum contents:

Site Map –

SiteMap.jpg– This is an image taken from Google Earth showing the site of the three buildings on the campus.

Building Layout Drawings –

EC-LI-Floorplan.pdf – This is a drawing of the Old Library
EC-LS-Floorplan.pdf – This is a drawing of the Life Science Building
EC-PS-Floorplan-Upper.pdf – This is a drawing of the Physical Science building upper level.
EC-PS-Floorplan-Lower.pdf – This is a drawing of the Physical Science building lower level.

HAZMAT Reports –

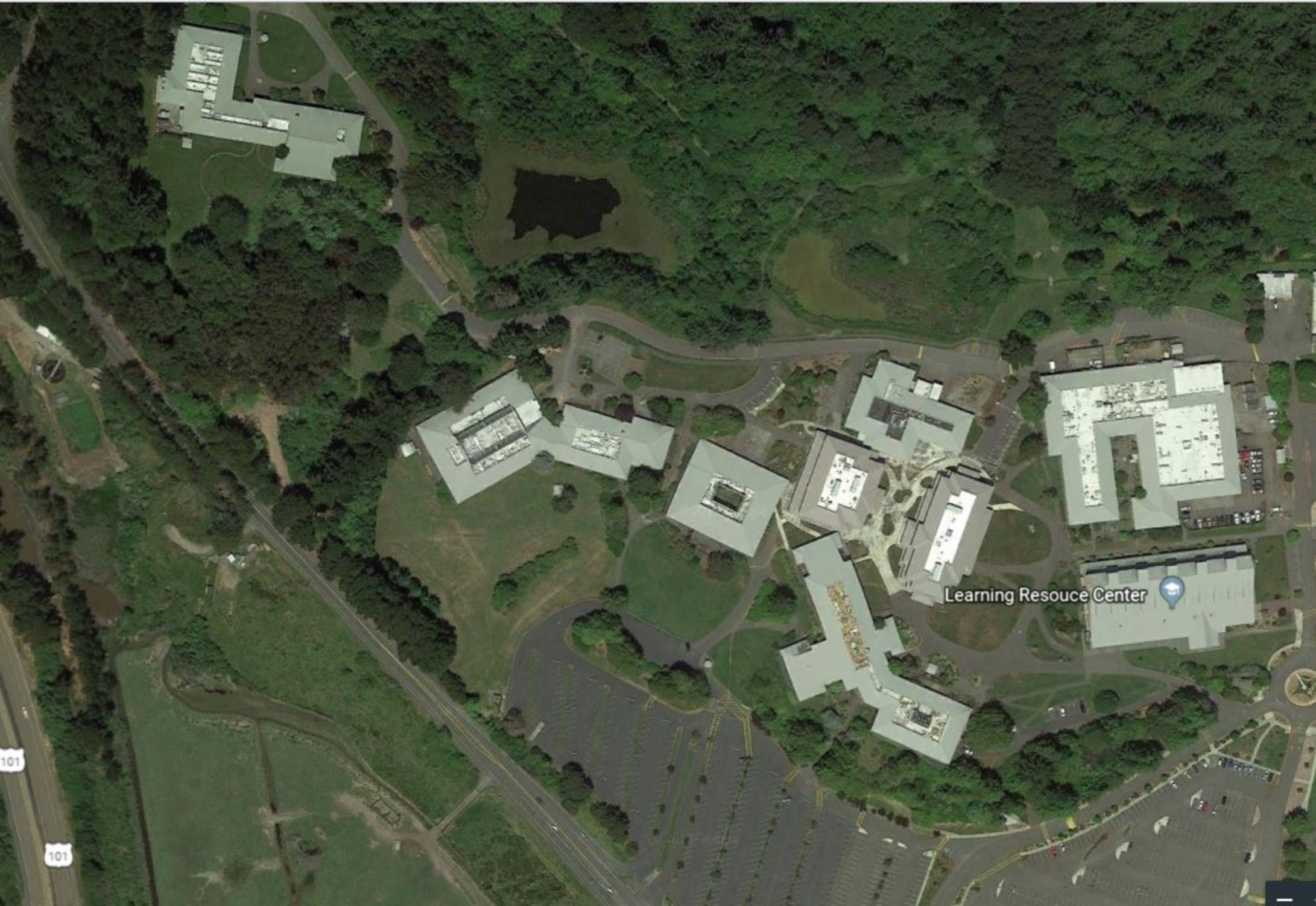
2012BakerEnvReport.pdf – this is a report from a 2012 asbestos survey of the Old Library Building at the COR main campus, 7351 Tompkins Hill Road, Eureka, California. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant.

asbestos survey 2004.pdf - LIMITED ASBESTOS SURVEY FOR THE COLLEGE OF THE REDWOODS PHYSICAL EDUCATION, APPLIED TECHNOLOGY/AUTOMOTIVE SHOP, CREATIVE ARTS, PHYSICAL SCIENCE, LIFE SCIENCE, OLD LIBRARY, AND FORUM BUILDINGS EUREKA, CALIFORNIA

All other portions of the Contract Documents remain **unchanged**.

Please be reminded to acknowledge this Addendum on the bid forms.

--- **End of Addendum No. 1** ---


Learning Resouce Center
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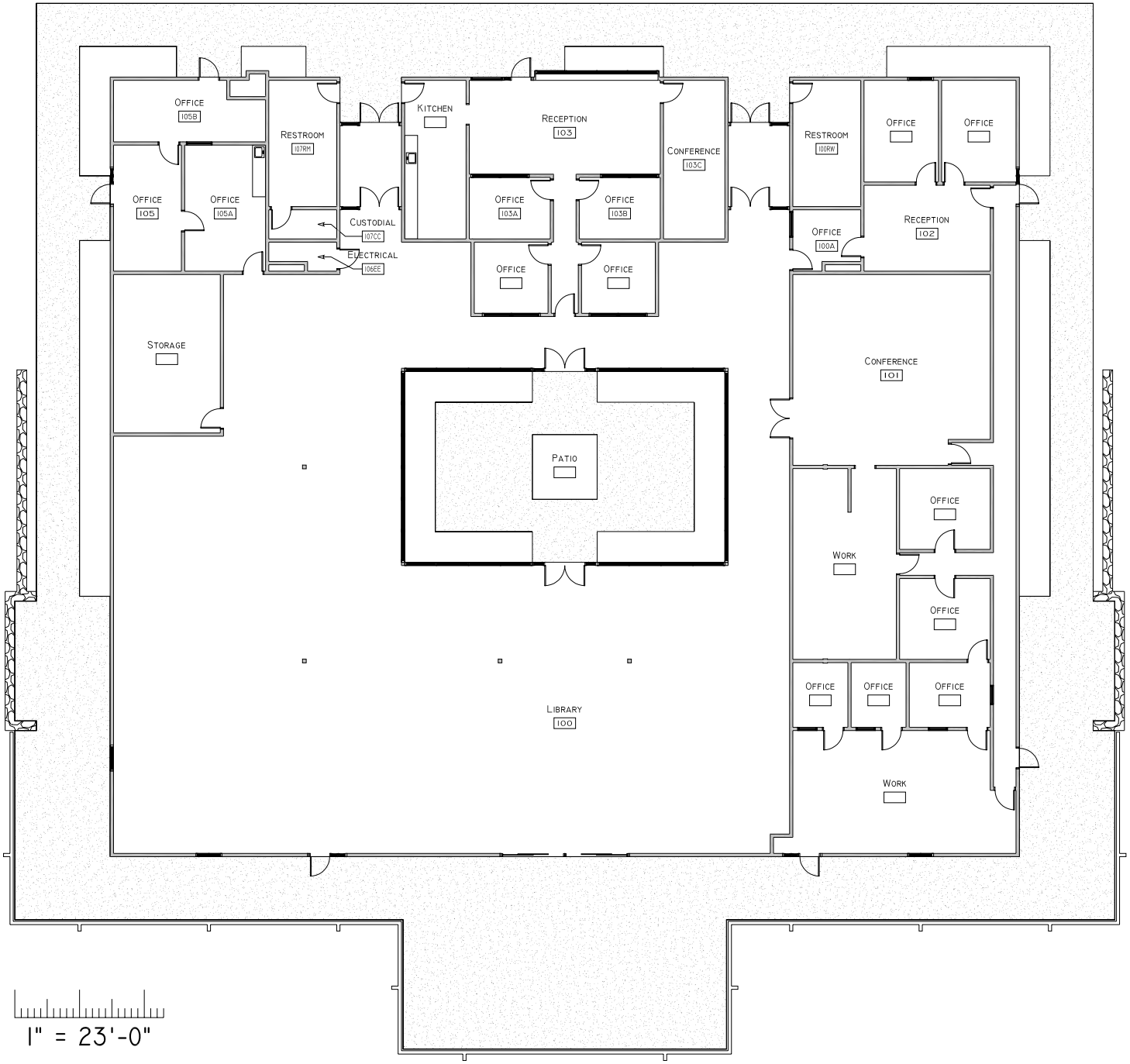
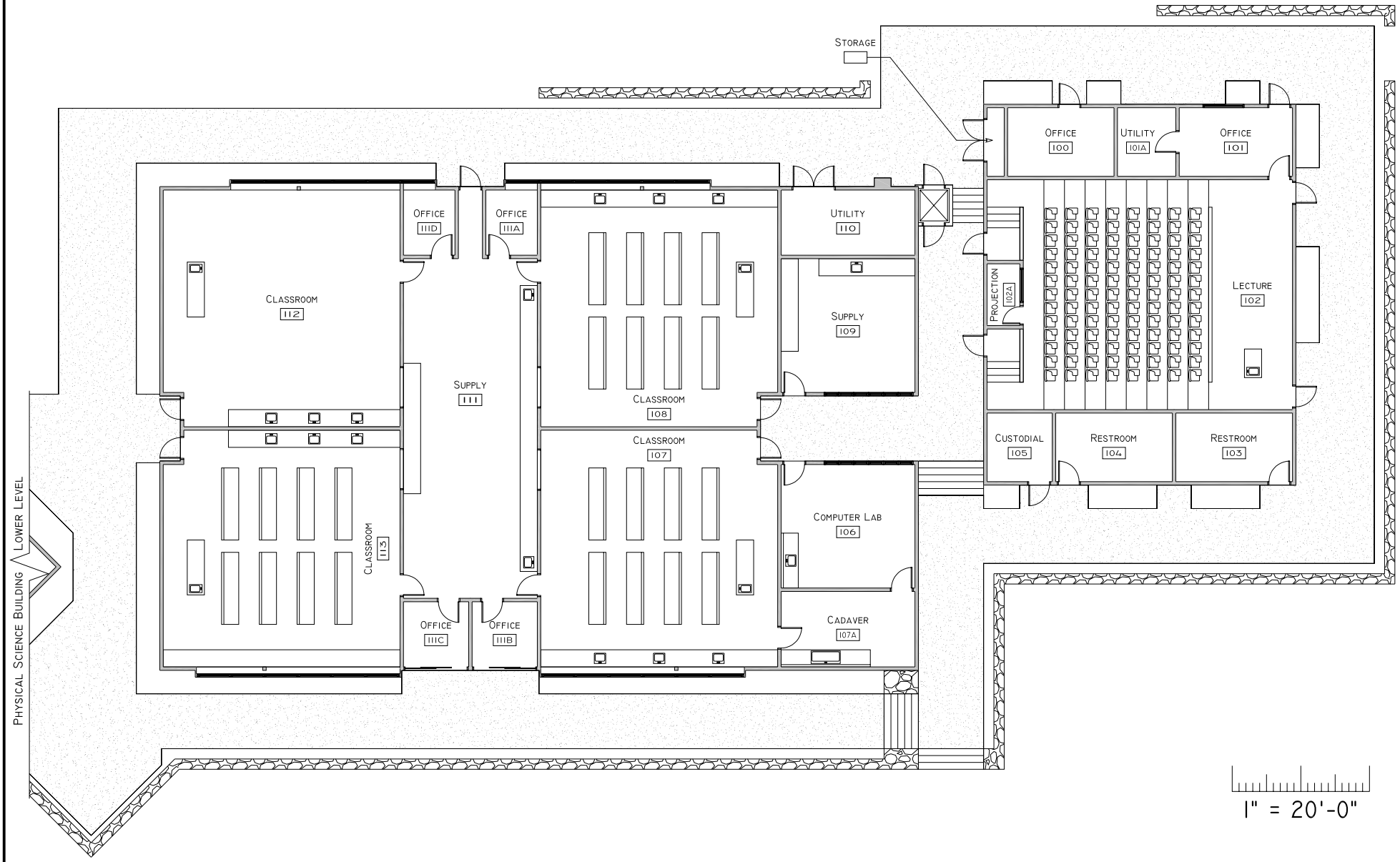


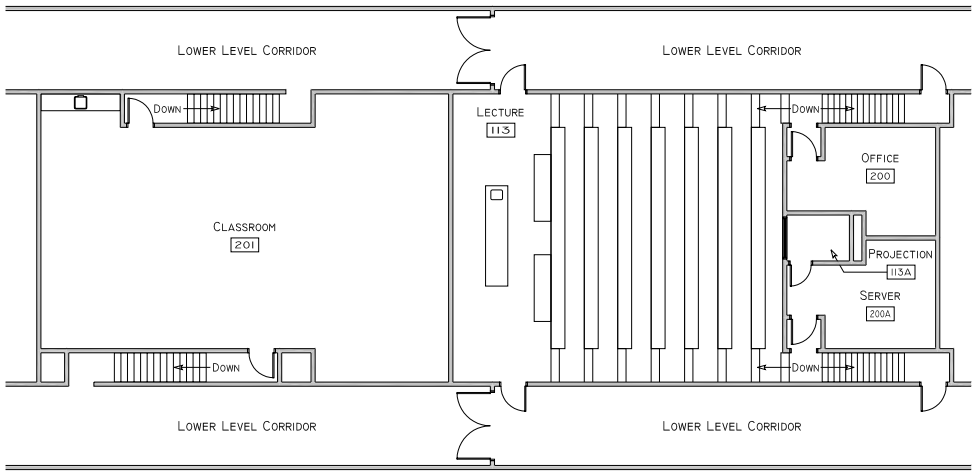
College of the Redwoods - Eureka Campus
Library Building (out of service)

Redwoods Community College District
Revised Thu 19 Jun 2008



COLLEGE OF THE REDWOODS - EUREKA CAMPUS
LIFE SCIENCE BUILDING

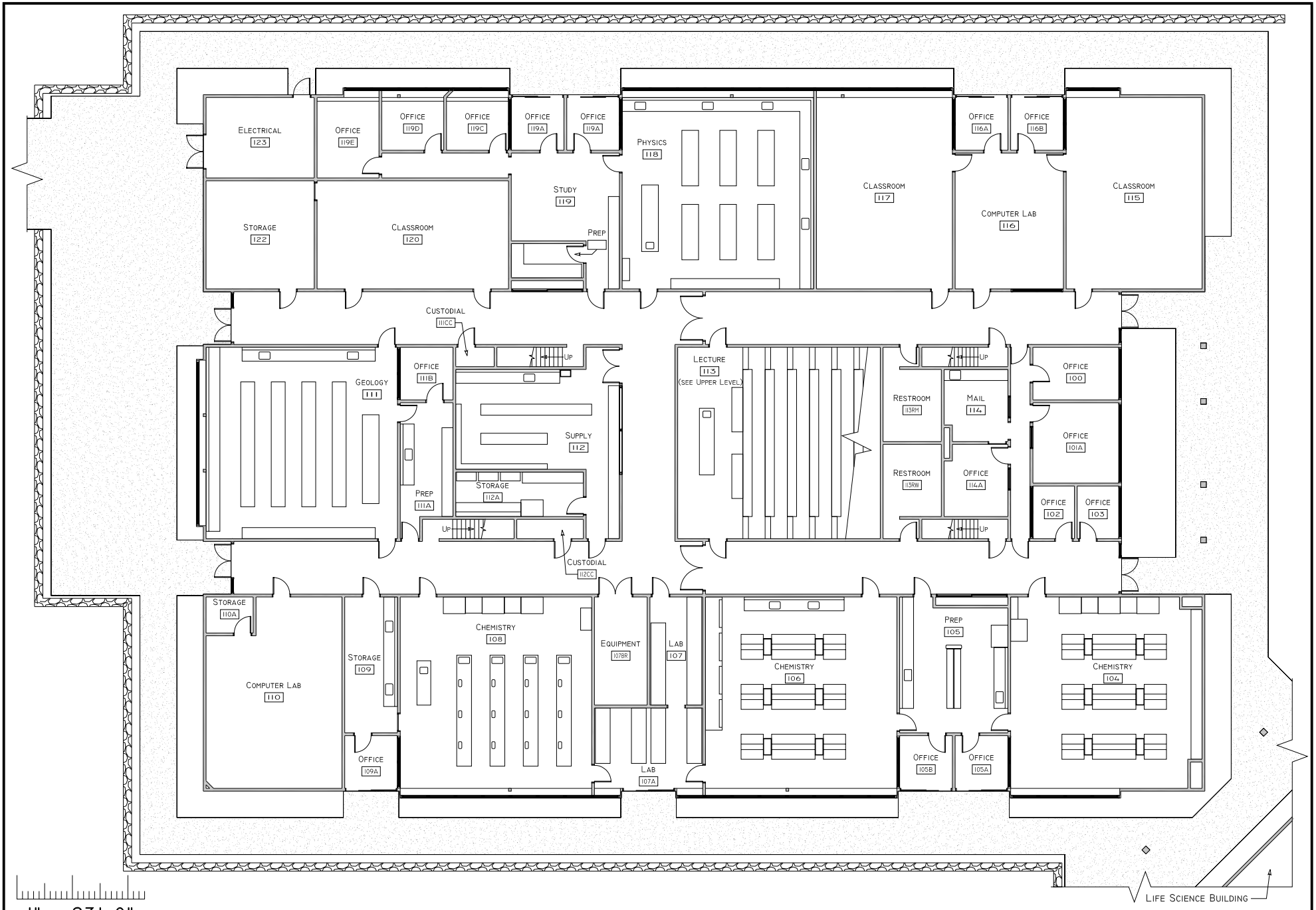
REDWOODS COMMUNITY COLLEGE DISTRICT
REVISED THU 19 JUN 2008



1" = 23'-0"

COLLEGE OF THE REDWOODS - EUREKA CAMPUS
PHYSICAL SCIENCE BUILDING - UPPER LEVEL

REDWOODS COMMUNITY COLLEGE DISTRICT
REVISED FRI 27 JUN 2008



1" = 23'-0"

COLLEGE OF THE REDWOODS - EUREKA CAMPUS
PHYSICAL SCIENCE BUILDING - LOWER LEVEL

REDWOODS COMMUNITY COLLEGE DISTRICT
REVISED FRI 27 JUN 2008

BAKER ENVIRONMENTAL

Environmental Consultants

July 11, 2012

Tim Flanagan
College of the Redwoods
7351 Tompkins Hill Road
Eureka, California 95501

Subject: Old Library Building, COR, 7351 Tompkins Hill Road, Eureka, California – Limited Asbestos Survey

Dear Mr. Flanagan:

Per your request BAKER ENVIRONMENTAL conducted an asbestos survey of the Old Library Building at the COR main campus, 7351 Tompkins Hill Road, Eureka, California. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant. Two copies of our survey report are attached.

Please be advised that we found regulated asbestos-containing materials (RACM's) during the survey. RACM's included thermal system insulation, drywall skim coat and drywall joint compound. These materials, if disturbed or removed or removed during the proposed renovation project must be removed by a Cal-OSHA licensed asbestos abatement contractor and disposed in accordance with state regulations. Notifications to the North Coast Air Quality Management District and Cal-OSHA are also required.

Thank you for the opportunity to be of service. We have attached our invoice for services.

Sincerely,

Terry L. Baker
CAC No. 92-0322

TB/mk

enc

P.O. Box 532 • Yreka, California 96097 • (530) 842-7987 • FAX (530) 842-7991

ASBESTOS SURVEY REPORT
COLLEGE OF THE REDWOODS
OLD LIBRARY BUILDING
7351 TOMPKINS HILL ROAD
EUREKA, CALIFORNIA
JULY 10, 2012

FOR

REDWOODS COMMUNITY COLLEGE DISTRICT
7351 TOMPKINS HILL ROAD
EUREKA, CALIFORNIA 95501

PREPARED BY

BAKER ENVIRONMENTAL
550 N. MAIN STREET
YREKA, CALIFORNIA 96097
DOSH CERTIFIED ASBESTOS CONSULTANT NO. 92-0322

ASBESTOS SURVEY REPORT
COLLEGE OF THE REDWOODS
OLD LIBRARY BUILDING
7351 TOMPKINS HILL ROAD
EUREKA, CALIFORNIA
JULY 10, 2012

CERTIFICATION & LIMITATIONS

This report was prepared in accordance with industry standards and regulatory requirements. Site conditions are subject to change with time therefore; the findings and opinions offered in this report by BAKER ENVIRONMENTAL represent conditions observed at the site on the dates of survey.

A diligent effort was made to identify all asbestos-containing materials and asbestos-containing construction materials during the survey. Any materials suspected to contain asbestos that are identified during renovation and or demolition of the structure must be sampled and analyzed for asbestos prior to their disturbance.

This report was prepared under the supervision of a California Industrial Relations Department, Division of Occupational Safety & Health Certified Asbestos Consultant.

By: Terry L. Baker 7/11/12

Terry L. Baker CAC No. 92-0322 Date

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ASBESTOS SURVEY REPORT
COLLEGE OF THE REDWOODS
OLD LIBRARY BUILDING
7351 TOMPKINS HILL ROAD
EUREKA, CALIFORNIA
JULY 10, 2012

1.0 EXECUTIVE SUMMARY

The Redwoods Community College District retained BAKER ENVIRONMENTAL to conduct an asbestos survey of the old library building at the College of the Redwoods, 7351 Tompkins Hill Road, Eureka, California. The purpose of survey was to identify asbestos-containing materials (ACM's) prior to renovation of the building. ACM's are materials that contain more than 1% asbestos. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant.

Construction

The building is a one-story wood framed structure on a concrete slab foundation. The building was constructed in the 1960's.

The exterior walls are wood-framed and finished with redwood siding and trim. The original interior walls as well as the perimeter walls have drywall covered with redwood boards except for restrooms and other miscellaneous spaces. The ceilings throughout the building have sheetrock over joists and are finished with redwood boards except for offices, storage rooms and miscellaneous spaces. These rooms have drywall ceilings, or are finished with acoustic ceiling tiles or suspended ceiling panels. The existing restroom walls and ceilings are finished with drywall and painted. Ceramic wall tile is present on the lower portion of the restroom walls.

The building has been renovated within the past 15 years. Interior partition walls were constructed primarily on the north and east sides of building. The walls were typically finished with drywall, textured and painted. The rooms are finished with suspended ceiling panels or are open to original redwood finished ceilings.

Rooms throughout the building have carpet on floors except for the restrooms that have ceramic floor tiles. Exposed concrete is evident in some areas where carpet has been removed. Roof has wood decking finished with metal.

Sampling

Samples of suspect ACM's were collected of representative materials throughout the COR Old Library Building during the asbestos survey. Suspect materials sampled include the following:

- Thermal system insulation in janitor room and assumed to be within restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall tape joint compound throughout the building;
- Drywall skim coat texture throughout original portions of building in offices, kitchen, restrooms, storage rooms and miscellaneous spaces;
- Drywall texture on drywall in rooms and spaces where building has been renovated;
- Sheetrock throughout the building;
- 12"X 24" white/tan ceiling tiles in rooms 103A and 103C;
- 2'X 4' suspended ceiling tiles throughout the building;
- Brown ceramic tile adhesive in restrooms;
- Carpet adhesives throughout the building.

The following ACM's (>1.0% asbestos) were identified in the building:

- Drywall tape joint compound on all original wall and ceilings throughout the building including but not limited to perimeter walls, interior partition walls in kitchen, restrooms, offices, conference room, storage rooms and miscellaneous spaces. The drywall tape joint compound is also on drywall behind all redwood faced walls and ceilings throughout building as well as behind spaces where acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

All regulated asbestos-containing material (RACM) that will be disturbed during a renovation or demolition project must be abated (removed) by a California Division of Occupational Safety and Health (DOSH) licensed abatement contractor in accordance with applicable state and local regulations prior to their disturbance. The North Coast Air Quality Management District and Cal-OSHA have notification requirements prior to disturbance or removal of RACM.

The following RACM's were identified that must be removed by a DOSH licensed contractor prior to building renovation if they will be disturbed or removed:

- Drywall tape joint compound on all original wall and ceilings throughout the building including but not limited to perimeter walls, interior partition walls in kitchen, restrooms, offices, conference room, storage rooms and miscellaneous spaces. The drywall tape joint compound is also on drywall behind all redwood

faced walls and ceilings throughout building as well as behind spaces where acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.

- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.

- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

There are currently no federal, state or local regulations that require the removal of any ACM unless said materials will be disturbed during a building renovation, remodel, demolition, fire training burn or similar project. All building demolitions require notification to the U.S. Environmental Protection Agency and the North Coast Unified Air Quality Management District for projects in Humboldt County. Building renovations also require notification to the air district and EPA if regulated quantities of RACM are removed.

ASBESTOS SURVEY REPORT
COLLEGE OF THE REDWOODS
OLD LIBRARY BUILDING
7351 TOMPKINS HILL ROAD
EUREKA, CALIFORNIA
JULUY 10, 2012

2.0 INTRODUCTION

The Redwoods Community College District retained BAKER ENVIRONMENTAL to conduct an asbestos survey of the old library building at the College of the Redwoods, 7351 Tompkins Hill Road, Eureka, California. The purpose of survey was to identify asbestos-containing materials (ACM's) prior to renovation of the building. ACM's are materials that contain more than 1% asbestos. The survey was conducted on January 25, 2012 by a Cal-OSHA Certified Asbestos Consultant.

Survey methodology included:

1. Visual inspection of all accessible building materials;
2. Determination of friability[a] of each material by touching;
3. Assessment of physical condition of each material;
4. Assessment of potential for disturbance and or damage;
5. Collection of materials suspected to be ACM;
6. Sample analysis by a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory;
7. Preparation of a sample location map;
8. Determination of quantities of ACM;
9. Prepare survey inspection report.

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[a] Friable shall mean easily crushed to powder by application of hand pressure.

Limited destructive testing was conducted to gain access to materials located in interior spaces of walls and ceilings. No suspect ACM's were identified in interior wall and ceiling spaces that were accessed during testing other than identified in this report. Additional materials that contain asbestos may be encountered during building renovation. It is assumed that thermal system insulation (TSI) is present on domestic water system plumbing components in interior wall and ceiling spaces where plumbing is located. TSI may also be present at other locations. Construction shall be terminated upon discovery of any new building materials that were not identified during the asbestos survey. Said materials shall be considered to be ACM's until samples of materials are collected and verified by laboratory analysis to be absent for asbestos.

3.0 BUILDING STRUCTURE AND CONDITIONS

3.1 BUILDING CONSTRUCTION

The building is a one-story wood framed structure on a concrete slab foundation. The building was constructed in the 1960's.

The exterior walls are wood-framed and finished with redwood siding and trim. The original interior walls as well as the perimeter walls have drywall covered with redwood boards except for restrooms and other miscellaneous spaces. The ceilings throughout the building have sheetrock over joists and are finished with redwood boards except for offices, storage rooms and miscellaneous spaces. These rooms have drywall ceilings, or are finished with acoustic ceiling tiles or suspended ceiling panels. The existing restroom walls and ceilings are finished with drywall and painted. Ceramic wall tile is present on the lower portion of the restroom walls.

The building has been renovated within the past 15 years. Interior partition walls were constructed primarily on the north and east sides of building. The walls were typically finished with drywall, textured and painted. The rooms are finished with suspended ceiling panels or are open to original redwood finished ceilings.

Rooms throughout the building have carpet on floors except for the restrooms that have ceramic floor tiles. Exposed concrete is evident in some areas where carpet has been removed. Roof has wood decking finished with metal.

4.0 SAMPLING PROTOCOLS

4.1 SUSPECT ASBESTOS-CONTAINING MATERIALS AND ASBESTOS-CONTAINING CONSTRUCTION MATERIALS

BAKER ENVIRONMENTAL conducted an on-site visual survey of the Old Library Building on January 25, 2012 to identify suspect asbestos-containing material (ACM), asbestos-containing construction material (ACCM), and presumed asbestos-containing material (PACM). ACM is any material with an asbestos content >1,0%, ACCM is any construction material with an asbestos content >0.1%uildi. PACM is any thermal system insulation, surfacing material and resilient floor covering installed prior to 1981.

As the result of building survey it was determined that primary building materials considered as suspect ACM's, ACCM's and PACM in the project area included:

- Thermal system insulation in janitor room and assumed to be within restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.

- Drywall tape joint compound throughout the building;
- Drywall skim coat texture throughout original portions of building in offices, kitchen, restrooms, storage rooms and miscellaneous spaces;
- Drywall texture on drywall in rooms and spaces where building has been renovated;
- Sheetrock throughout the building;
- 12"X 24" white/tan ceiling tiles in rooms 103A and 103C;
- 2'X 4' suspended ceiling tiles throughout the building;
- Brown ceramic tile adhesive in restrooms;
- Carpet adhesives throughout the building.

4.2 SAMPLE COLLECTION LOCATIONS

BAKER ENVIRONMENTAL collected samples of suspect ACM's from the Old Library Building during the asbestos survey. Sample locations are representative of materials listed in *Section 4.1 Suspect Asbestos-Containing Materials.* See **Figure 1** for sample locations.

Sample Collection and Chain of Custody Procedure

Each sample was collected using a "wet method" to prevent the potential release of asbestos fibers during sample collection. Coring devices, utility knives and chisels were used to facilitate the removal of a cross-section of each sample material. Each sample was placed in a sealed container and assigned a specific sample number. The location of each sample collection point was recorded on a field drawing and a chain of custody form was prepared listing sample numbers, location and material description. The samples were then submitted to the laboratory for analysis.

Laboratory Accreditation and Analysis

Samples were forwarded to an asbestos laboratory for bulk asbestos analysis using the polarized light microscopy method (PLM). The PLM method and procedures are specified under the Code of Federal Regulations, 40 CFR Part 763, Appendix A to Subpart F, Section 1.2 and 1.7.2.4. The PLM detection limit for asbestos is generally >1% by volume. Sample results that are determined by the PLM method to be <1% are reported as "Trace" or <1%. A sample with "<1%" level of asbestos shall be considered to be asbestos-containing. Further analysis of the samples by the Gravimetric/Transmission Electron Microscopy Method or PLM point counting (400 points) is required to determine asbestos content below 1%.

Laboratory methodology includes the analysis of each separate layer of sample material where multiple layers exist. A typical material containing more than one layer includes floor tile with mastic. It is difficult to separate the two layers during sample collection.

The laboratory segregates the two materials and reports the asbestos content separately for the floor tile and mastic.

Laboratory accreditations include:

National Institute of Standards and Technology (NVLAP)
AIHA Asbestos Analyst Registry Program

Laboratory Bulk Sample Analysis Report for the project is attached in **Appendix A.**

5.0 SAMPLE RESULTS

5.1 ASBESTOS-CONTAINING MATERIALS

The following asbestos-containing materials (ACM's) were identified in the former College of the Redwoods Old Library Building located at 7351 Tompkins Hill Road, Eureka, California:

- Drywall tape joint compound on all original wall and ceilings throughout the building including but not limited to perimeter walls, interior partition walls in kitchen, restrooms, offices, conference room, storage rooms and miscellaneous spaces. The drywall tape joint compound is also on drywall behind all redwood faced walls and ceilings throughout building as well as behind spaces where acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

Table 1 includes a *"Summary of Asbestos-Containing Material (ACM)- COR Old Library Building, 7351 Tompkins Hill Road, Eureka, CA."*

6.0 REGULATORY COMPLIANCE

Federal, state and local agencies regulate asbestos-containing material (ACM), asbestos-containing construction material (ACCM) and presumed asbestos-containing material (PACM) in commercial, industrial and institutional building in California. Residential structures are also regulated by fire departments and some air quality and building departments when scheduled for renovation, demolition or fire training.

ACM is an asbestos-containing material containing more than 1% asbestos (>1%). The Federal Occupational Safety and Health Administration regulations for asbestos (29 CFR

1910.1001) and U.S. Environmental Protection Agency National Emission Standards for Hazardous Air Pollutants (NESHAPS) include rules for the disturbance and or removal of ACM during building repair, remodel, renovation, fire training projects, demolition or similar activity.

ACCM is an asbestos-containing construction material in California containing more than 0.1% asbestos (>0.1%). Several California regulations apply when ACCM will be disturbed or removed during a building repair, remodel, renovation, demolition or similar activity. These regulations require that a building owner contract with a California Division of Occupational Safety and Health (DOSH) licensed asbestos abatement contractor when more than 100 square feet of ACCM will be disturbed or removed. The California Occupational Safety and Health Act (Cal-OSHA) Construction Standard for Asbestos (8 CCR 1529) and the General Industry Standard (8 CCR 5208) rules and regulations establish classes of work for asbestos related projects and training requirements for workers. Respiratory protection regulations, medical surveillance and personal air monitoring requirements are set forth in the regulations. Federal and state notifications for asbestos abatement projects are also established.

The California Health & Safety Code Section 25915-25924 requires that commercial building owners, lessees, and employers notify employees, contractors and tenants of the presence of ACCM in the building. Notification is required within fifteen (15) days of the date when the building owner becomes aware of the presence of asbestos in the building and shall further provide annual notification thereafter. A copy of any asbestos inspection or survey performed in the building shall be made available to building owner's employees, employers, lessees, contractors and tenants. A written notification is recommended.

Other federal, state and local rules and regulations apply to the disturbance or removal of asbestos. These rules and regulations generally require that a building owner identify ACM, ACCM and PACM in their building prior to their disturbance, removal, demolition or similar activity. Substantial fines and penalties may be levied against the building owner by one or more government agencies for failure to comply with the regulations.

The local air quality management district and Cal-OSHA must be notified prior to the disturbance and or removal of regulated asbestos-containing material (RACM). The air quality management district must be notified a minimum of 10 days prior to the disturbance of regulated quantities of RACM during building renovation or demolition projects in accordance with the National Emissions Standards for Hazardous Air Pollutants (NESHAPS). Cal-OSHA must be notified a minimum of 24 hours prior to disturbance in accordance with 8 CCR 1529.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 CONCLUSIONS

BAKER ENVIRONMENTAL concludes, as a result of the asbestos survey of the Old Library Building at the College of the Redwoods Campus, 7351 Tompkins Hill Road, Eureka, California that RACM's) are present. The following RACM's were identified:

- Drywall tape joint compound on all original wall and ceilings throughout the building including but not limited to perimeter walls, interior partition walls in kitchen, restrooms, offices, conference room, storage rooms and miscellaneous spaces. The drywall tape joint compound is also on drywall behind all redwood faced walls and ceilings throughout building as well as behind spaces where acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

7.2 RECOMMENDATIONS

The disturbance and or removal of RACM(s) and or ACCM during a building demolition, repairs, remodels or renovations are regulated by federal, state and local agencies. The U.S. Environmental Protection Agency (EPA), California Environmental Protection Agency, California Occupational Safety and Health (CAL-OSHA), California Air Resources Board and local air quality management districts have specific regulations governing asbestos disturbance or abatement.

ACM was identified in the Old Library Building, 7351 Tompkins Hill Road, Eureka. All RACM that will be disturbed or removed during a renovation or demolition project must be abated (removed) by a California Division of Occupational Safety and Health (DOSH) licensed abatement contractor in accordance with applicable state and local regulations prior to their disturbance. RACM includes:

- Drywall tape joint compound on all original wall and ceilings throughout the building including but not limited to perimeter walls, interior partition walls in kitchen, restrooms, offices, conference room, storage rooms and miscellaneous spaces. The drywall tape joint compound is also on drywall behind all redwood faced walls and ceilings throughout building as well as behind spaces where acoustic ceiling tiles are attached to drywall in offices, corridors and other spaces.
- Thermal system insulation in janitor room and assumed to be within men's and women's restroom walls and ceilings as well as kitchen walls and ceilings. The thermal system insulation shall also be assumed to be at other locations within walls and ceilings where plumbing is present.
- Drywall skim coat on walls and ceilings in kitchen and men's and women's restrooms as well as room 100A.

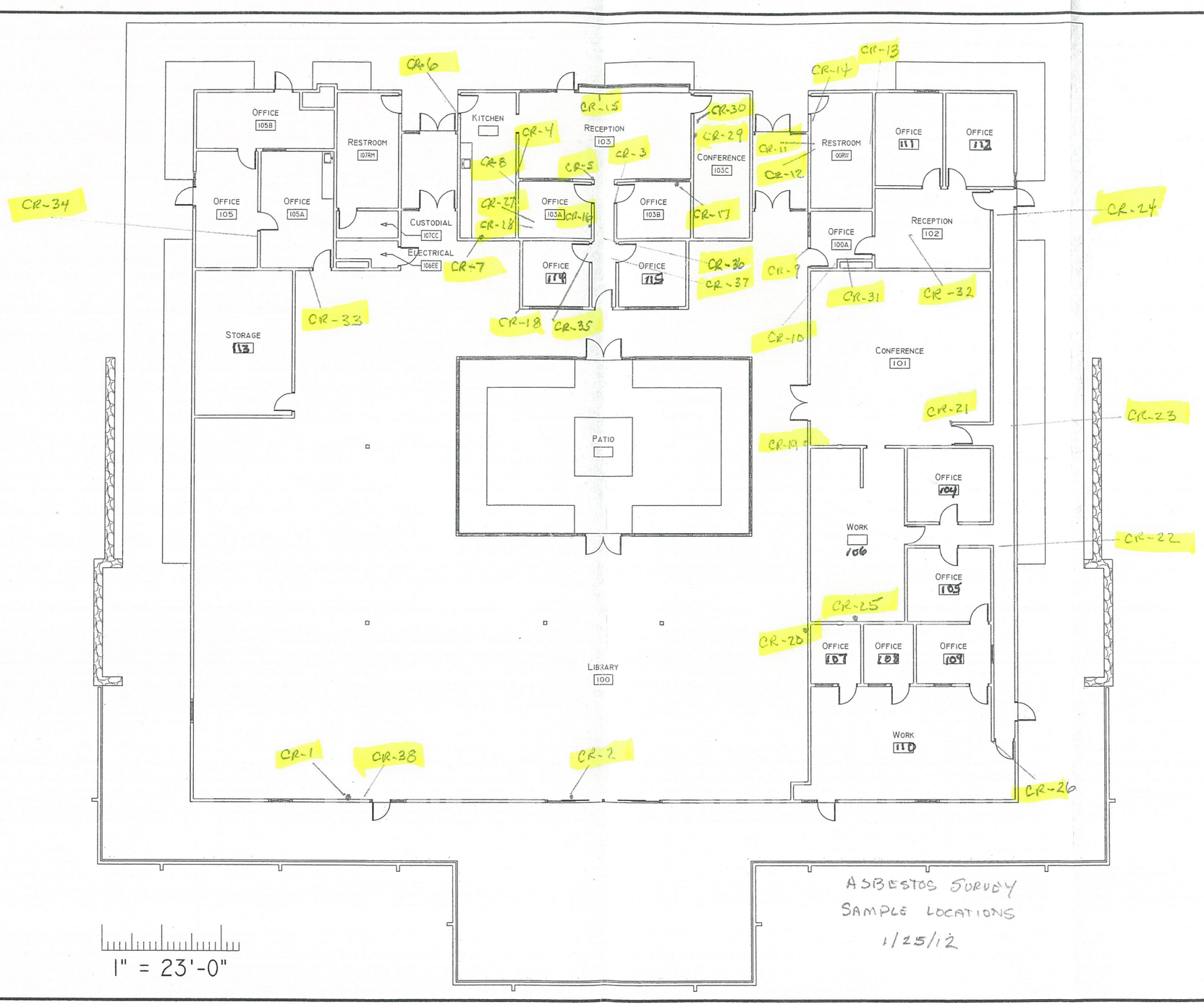
The areas of the Old Library Building with asbestos-containing thermal system insulation and drywall skim coat must be removed, transported and disposed as hazardous wastes in California. Said transportation and disposal must be in accordance with State of California regulations that require hazardous waste manifests and approved disposal sites. The remaining RACM including drywall joint compound must be transported to and disposed at a state approved disposal site.

TABLE 1

SUMMARY OF ASBESTOS-CONTAINING MATERIAL (ACM)-COR OLD LIBRARY BUILDING, 7351 TOMPKINS HILL ROAD, CALIFORNIA

Sample#	Space	Description	Location	%Asbestos	Friable	Quantity[1]
CR-1 to CR-10 CR-13,CR-14 CR-28,CR-30 CR-31,CR-33	Throughout Bldg. (Original Construction)	Drywall joint compound	Walls/ceilings	2-3	No	Throughout
CR-3 to CR-10 CR-13, CR-14	Restrooms, Kitchen Custodial, Office 100A	Drywall texture/skim coats	Walls	2-3	Yes	Throughout
N/A	Restrooms, Custodial 103 Kitchen, Misc. Locations	Thermal system insulation	Walls/ceilings	Assumed	Yes	Throughout

1 Quantities of materials listed are approximate.



COLLEGE OF THE REDWOODS - EUREKA CAMPUS
LIBRARY BUILDING (OUT OF SERVICE)

REDWOODS COMMUNITY COLLEGE DISTRICT
REVISED THU 19 JUN 2008

APPENDIX A

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831
Account Number: B254

Client: Baker Environmental
550 N Main St
Yreka, CA 96097

Date Received: 01/27/2012
Received By: Morgan Lane
Date Analyzed: 01/30/2012
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

Project: College of the Redwoods
Project Location: 7351 Tompkins Hill Road, Eureka, CA
Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	CR-1	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	NA	CaCO3 Binder
002	CR-2	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 3	Cellulose <1	CaCO3 Binder
003	CR-3	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3 Binder
004	CR-4	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	Cellulose <1	CaCO3 Binder
005	CR-5	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3 Binder
006	CR-6	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 3	Cellulose <1	CaCO3 Paint
007	CR-7	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

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Project: College of the Redwoods
Project Location: 7351 Tompkins Hill Road, Eureka, CA
Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	CR-8	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	Cellulose <1	CaCO3 Paint
009	CR-9	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3 Binder
010	CR-10	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 3	Cellulose <1	CaCO3 Binder
011	CR-11	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
012	CR-12	Homogeneous	Tan Mastic	Asbestos Not Present	Cellulose 6	Glue
013	CR-13	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	NA	CaCO3 Binder
014	CR-14	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 3	NA	CaCO3 Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QUANTEM® LABORATORIES

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Methodology: EPA/600/R-93/116

Project: College of the Redwoods
Project Location: 7351 Tompkins Hill Road, Eureka, CA
Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	CR-15	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
016	CR-16	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
017	CR-17	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
018	CR-18	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019	CR-19	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
020	CR-20	**	** **	**	Not Analyzed	
No Sample in Container						
021	CR-21	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QUANTEM® LABORATORIES

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831
Account Number: B254

Client: Baker Environmental
550 N Main St
Yreka, CA 96097

Date Received: 01/27/2012
Received By: Morgan Lane
Date Analyzed: 01/30/2012
Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

Project: College of the Redwoods
Project Location: 7351 Tompkins Hill Road, Eureka, CA
Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	CR-22	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023	CR-23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	CR-24	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	CR-25	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026	CR-26	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	CR-27	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 75	Paint Binder
028	CR-28	Homogeneous	White Joint Compound	Asbestos Present Chrysotile <1	Cellulose 2	CaCO3 Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 203831
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Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

Project: College of the Redwoods
Project Location: 7351 Tompkins Hill Road, Eureka, CA
Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
029	CR-29	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	75	Paint Binder
030	CR-30	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	Cellulose	2	CaCO3 Binder
031	CR-31	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	Cellulose	<1	CaCO3 Binder
032	CR-32	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Paint Perlite
033	CR-33	Homogeneous	White Joint Compound	Asbestos Present Chrysotile 2	NA		CaCO3 Binder
034	CR-34	Homogeneous	Brown Carpet Mastic	Asbestos Not Present	NA		Glue
035	CR-35	Homogeneous	Yellow Carpet Mastic	Asbestos Not Present	Cellulose	<1	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Polarized Light Microscopy Asbestos Analysis Report

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Analyzed By: Gayle Ooten
Methodology: EPA/600/R-93/116

Project: College of the Redwoods
Project Location: 7351 Tompkins Hill Road, Eureka, CA
Project Number: 1151

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	CR-36	Homogeneous	Yellow Carpet Mastic	Asbestos Not Present	NA	Glue
037	CR-37	Homogeneous	Brown Carpet Mastic	Asbestos Not Present	NA	Glue
038	CR-38	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 3	Gypsum

Gayle Ooten, Analyst

1/31/2012
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Asbestos Chain-of-Custody

QUANTEM LABORATORIES
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 (405) 755-7272 Fax: (405) 755-2058
www.quantem.com

This Box for Lab Use Only
Lab No. 203631
Accept Reject

Company Name: Baker Environmental Acct.#: B254 Project Name: College of The Redwoods

Project Location: 7351 Tompkins Hill Road, Eureka, CA Project Number: 1151

Sample Number	To Be Analyzed	Color / Description	Volume / Area (if applicable)	Comments
		OLD LIBRARY		
CR-1		Joint Compound	Rm 100	
CR-2		" "	Rm 100	
CR-3		" "	HALL (WALL @ 103B)	
CR-4		" "	KITCHEN (WALL @ 103)	
CR-5		" "	HALL (WALL @ 103	
CR-6		Joint Compound / Skim Coat	KITCHEN	(WEST WALL)
CR-7		" " / " "	KITCHEN	(SOUTH WALL)
CR-8		" " / " "	KITCHEN	(EAST WALL)
CR-9		" " / Skim Coat	OFFICE 100A	(W. WALL)
CR-10		" " / Skim Coat	" "	ACS. WALL)
CR-11		Sheetrock	LOOMANS RR	(W. WALL)
CR-12		Brown Ceramic Tile Adhesive	" "	(W. WALL)
CR-13		Joint Compound / Skim Coat	" "	(E. WALL)
CR-14		" " " "	" "	W. WALL
~~CR-15~~		NEW WORK		
CR-15	X	Drywall Texture	Rm 103	(N. WALL)
CR-16	X	" "	Rm 103A	(E. WALL)
CR-17	X	" "	Rm 103B	(N. WALL)
CR-18	X	" " / Joint Compound	Rm 100 C	(N. WALL

LEGAL DOCUMENT
Please Print Legibly

PLM	
X	Bulk Analysis (EPA 600/R-93/116)
	400 Point Count
	1000 Point Count
	Gravimetric Preparation Fee
	Other

PCM	
	NIOSH 7400
	Other

TEM	
	Air - AHERA
	Air - NIOSH 7402
	Bulk - Qualitative [Yes / No] - EPA 600/R-93/116
	Bulk - Quantitative [weight %] - Chatfield
	Dust - Qualitative [Yes / No]
	Dust - Quantitative [fibers/sq.cm] - ASTM D5755
	Drinking Water - EPA 100.0
	Waste Water - EPA 600/4-83-043
	Other

TURNAROUND TIME	
	Rush
	Same Day
X	24 Hour
X	3-Day
	5-Day

CONTACT INFORMATION
Name: Terry Baker
Phone (530) 515-6370
Report Results VIA (CHOOSE ONE):
- FAX:
- X QuanTEM WebSite
- E-Mail:

Relinquished By	Date/Time	VIA	Received By	Date/Time	Date Sampled:	Sampled By:
[signature]	1300 1/26/12		[signature] Morgan Lane	1/27/12 10:15	1/25/12	Terry Baker
Relinquished By	Date/Time	VIA	Received By	Date/Time		

Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
Mark Package 'HOLD FOR SATURDAY PICKUP'

Asbestos Chain-of-Custody

QUANTEM LABORATORIES
2033 Heritage Park Drive, Oklahoma City, OK 73120-7502
(800) 822-1650 (405) 755-7272 Fax: (405) 755-2058
www.quantem.com

This Box for Lab Use Only
Lab No. 203631
Accept Reject

Company Name: Baker Environmental Acct.#: B254 Project Name: College of the Redwoods

Project Location: 7351 Tompkins Hill Road, Eureka, CA Project Number: 1151

Sample Number	To Be Analyzed	Color / Description	Volume / Area (if applicable)	Comments
		New Work		
CR-19	A	Drywall Texture	Rm 100 @ E. wall (Rm 101)	
CR-20		" "	Rm 100 @ E. wall (Work)	
CR-21		Joint Compound / Texture	Rm 101 @ partition wall	
CR-22		" " / "	East Corridor @ Rm 105	
CR-23		" " / "	" " @ Rm 101	
CR-24		" " / "	East Corridor @ Rm 102	
CR-25		" " / "	Rm 106 @ S. wall	
CR-26		" " / "	Rm 110 @ E. Corridor	
CR-27	X	12"x24" White/Tan Ceiling Tile	Rm 103A @ S. Ceiling	
CR-28	X	Joint Compound	" " " "	
CR-29		12"x24" White/Tan Ceiling Tile	Rm 103C (W. Ceiling)	
CR-30		Joint Compound	" " " "	
CR-31		" "	Rm 100A (S. Ceiling)	
CR-32		2'x4' Ceiling Panels	Rm 102 (W. Ceiling)	
CR-33		Joint Compound	Rm 105A (S. wall)	
CR-34		Brown Carpet Mastic	Rm 105 (E. Floor)	
CR-35		Brown Carpet Adhesive	Rm 114 @ Corridor	
CR-36		Tan Carpet Adhesive	Corridor (S) @ 114	
CR-37		Brown Carpet Adhesive	Corridor (N) @ 114	
CR-38		Sheetrock	Rm 100 (S. wall)	

LEGAL DOCUMENT
Please Print Legibly

PLM	
X	Bulk Analysis (EPA 600/R-93/116)
	400 Point Count
	1000 Point Count
	Gravimetric Preparation Fee
	Other

PCM	
	NIOSH 7400
	Other

TEM	
	Air - AHERA
	Air - NIOSH 7402
	Bulk - Qualitative [Yes / No] - EPA 600/R-93/116
	Bulk - Quantitative [weight %] - Chatfield
	Dust - Qualitative [Yes / No]
	Dust - Quantitative [fibers/sq.cm] - ASTM D5755
	Drinking Water - EPA 100.0
	Waste Water - EPA 600/4-83-043
	Other

TURNAROUND TIME	
	Rush
	Same Day
	24 Hour
X	3-Day
	5-Day

CONTACT INFORMATION
Name: Terry Baker
Phone: (530) 515-6370
Report Results VIA (CHOOSE ONE):
- FAX:
- X QuanTEM WebSite
- E-Mail:

Relinquished By	Date/Time	VIA	Received By	Date/Time	Date Sampled:	Sampled By:
[signature]	1300 1/26/12	FedEx	Morgan Lane	1/27/12 10:15	1/25/12	Terry Baker
Relinquished By	Date/Time	VIA	Received By	Date/Time		

Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
Mark Package 'HOLD FOR SATURDAY PICKUP'

APPENDIX B

COEH CENTER FOR OCCUPATIONAL & ENVIRONMENTAL HEALTH

University of California Berkeley

This certifies that

Terry L Baker

has attended the eight hour course

AHERA Refresher for Asbestos Inspectors and Management Planners

and has completed the requisite training for asbestos accreditation under TSCA Title II

January 30, 2012

Course Date

COEH Director

Continuing Education Director

Date of Exam: January 30, 2012
Expiration Date: January 30, 2013

Certificate Number: BIMP124-12
Cal/OSHA Approval Number: CA-002-06 / CA-002-08

Center for Occupational and Environmental Health Continuing Education Program
UC Berkeley Mailcode 5120, 2223 Fulton Street, 2nd Floor, Berkeley, CA 94720-5120 Ph: (510) 643-7277 Fax: (510) 643-7291

COEH CENTER FOR OCCUPATIONAL & ENVIRONMENTAL HEALTH

University of California Berkeley

This certifies that

Terry L Baker

has attended the eight hour course

AHERA Refresher for Asbestos Contractors & Supervisors

and has completed the requisite training for asbestos accreditation under TSCA Title II

January 31, 2012

Course Date

COEH Director

Continuing Education Director

Date of Exam: January 31, 2012
Expiration Date: January 31, 2013

Certificate Number: CS115-12
Cal/OSHA Approval Number: CA-002-04

Center for Occupational and Environmental Health Continuing Education Program
UC Berkeley Mailcode 5120, 2223 Fulton Street, 2nd Floor, Berkeley, CA 94720-5120 Ph: (510) 643-7277 Fax: (510) 643-7291

COEH CENTER FOR OCCUPATIONAL & ENVIRONMENTAL HEALTH

University of California Berkeley

This certifies that

Terry L Baker

has attended the eight hour course

AHERA Refresher for Asbestos Abatement Project Designers

and has completed the requisite training for asbestos accreditation under TSCA Title II

February 1, 2012
Course Date

COEH Director

Continuing Education Director

Date of Exam: February 1, 2012
Expiration Date: February 1, 2013

Certificate Number: PD45-12
Cal/OSHA Approval Number: CA-002-10

Center for Occupational and Environmental Health Continuing Education Program
UC Berkeley Mailcode 5120, 2223 Fulton Street, 2nd Floor, Berkeley, CA 94720-5120 Ph: (510) 643-7277 Fax: (510) 643-7291

State of California
Division of Occupational Safety and Health

Certified Asbestos Consultant

Terry L Baker

Name

Certification No. 92-0322

Expires on 07/15/12

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

03-1664-04031

LIMITED ASBESTOS SURVEY
FOR THE COLLEGE OF THE REDWOODS
PHYSICAL EDUCATION,
APPLIED TECHNOLOGY/AUTOMOTIVE SHOP,
CREATIVE ARTS, PHYSICAL SCIENCE,
LIFE SCIENCE, OLD LIBRARY, AND
FORUM BUILDINGS
EUREKA, CALIFORNIA

January 2004

Prepared for:
Mr. Tim Flanagan
Building & Grounds Supervisor
College of the Redwoods
7351 Tompkins Hill Rd.
Eureka, CA 95503-9300

Prepared by:
Winzler & Kelly Consulting Engineers
633 Third Street
Eureka, California 95501
(707) 443-8326

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APPENDICES

LIMITED ASBESTOS SURVEY
FOR THE COLLEGE OF THE REDWOODS
PHYSICAL EDUCATION, APPLIED TECHNOLOGY/AUTOMOTIVE SHOP, CREATIVE ARTS, PHYSICAL SCIENCE, LIFE SCIENCE OLD LIBRARY, AND FORUM BUILDINGS
EUREKA, CALIFORNIA

I. PURPOSE

Winzler & Kelly Consulting Engineers (Winzler & Kelly) conducted a limited asbestos survey in order to locate and quantify the presence of asbestos in select areas of the following College of the Redwoods structures: Physical Education Building (HV-4, HV-5, HV-8, Pool Filter Room Attic, and Equipment Room), Applied Technology/Automotive Shop Building (Community and Economic Room Heating Unit, Roof and Attics, and Automotive Garage Heat Shields), Creative Arts Building (HV-4, HV-5, Roof and Attics), Physical Science Building (Roof and Attics), Life Science Building (Roof and Attics), Old Library (Roof), and Forum (Theatre Backstage Heating Unit, Room FM 103, Roof and Attics). The survey was conducted only in the previously mentioned areas and not throughout the entire structures, therefore it is considered a limited asbestos survey.

II. EXECUTIVE SUMMARY

A limited asbestos survey was conducted in order to evaluate the presence of asbestos containing materials in the mechanical rooms, interior rooms, roofs and attics of the structures mentioned above.

Sampling on the roofs was conducted only on heating ventilation and air conditioning (HVAC) components. Roofing materials were not sampled.

Thermal system insulation (TSI) was sampled extensively throughout the structures as mentioned above. Predominantly, the TSI consists of spun glass "fiberglass", however several elbows were found with an insulating material containing asbestos. Therefore, any elbows, straights, or tees covered with a material not consisting of spun glass should be assumed asbestos-containing.

In addition, a white patching (referred to as a mastic by College of the Redwoods employees) was sampled and found to contain asbestos. The patching/mastic was located on ducting and was observed in several locations throughout the campus. A gray sealant applied to seams and ends of piping insulation systems was also noted throughout the campus. It too was sampled and found to contain asbestos. The patching/mastic and gray sealant should be treated as asbestos-containing in all locations.

Several samples of joint compound were obtained from the structures. Asbestos was detected in all joint compound samples. Any wall or ceiling consisting of a joint compound/sheetrock system should also be assumed asbestos-containing.

An asbestos-containing glue was found on "flexible duct connectors" off the air handlers in the mechanical room, HV-5, of the Physical Education Building. It was difficult to determine which flexible duct connectors contained the glue and which did not. In order to make the determination the connectors would have had to be destroyed, therefore the connectors should simply be presumed to contain the asbestos-containing glue.

Asbestos containing building materials (ACBM) and asbestos containing construction materials (ACCM), as listed below, were found in the following locations:

Physical Education Building

HV-5 Mechanical Room

✓ Yellow mastic on flexible black duct connector off the air handlers

HV-8 Mechanical Room

✓ Transite piping, 4" diam. (Not sampled – presumed asbestos-containing)

Applied Technology/Automotive Shop Building

Automotive Shop

✓ Covering on top of heat shields

Machine Shop

✓ Covering on top of heat shields

Applied Technology

✓ TSI, 3" diam. horizontal
✓ White patching on round ducting off heating unit
✓ White patching on ducting
✓ TSI, 4" diam. horizontal between green fiberglass and loose debris beneath
✓ TSI, 2.5" diam. horizontal

Creative Arts Building

HV-4 Mechanical Room

✓ Joint compound

HV-5 Mechanical Room

✓ Joint compound

Physical Science Building

✓ Seam sealant, gray on 3" and 5" diam. TSI
✓ Seam sealant, gray
✓ End sealant, gray on 3.5" diam. horizontal with metal jacket
✓ Seam sealant, gray on 3.5" diam. horizontal with metal jacket
✓ End sealant, gray on 4" diam. horizontal with metal jacket

Life Science Building

- ✓ End sealant, gray on 5" diam. horizontal
- ✓ Transite piping, 5" diam. (Not sampled – presumed asbestos-containing)

Old Library

- ✓ Elbow sealant, gray on 4" diam. elbow
- ✓ End sealant, gray on 3" diam. horizontal

Forum

- ✓ Joint Compound
- ✓ TSI, 3" diam. elbow
- ✓ End sealant, gray
- ✓ Loose debris (likely TSI)
- ✓ TSI, 2.5" diam. elbow
- ✓ TSI, 3.75" diam. elbow

See Tables 1A-1G for sample locations, asbestos containing materials and quantities.

III. ASBESTOS - SURVEY METHODOLOGY

Winzler & Kelly collected suspected asbestos-containing building materials at the above-mentioned locations on December 11, 16, 17 and 18, 2003 and January 7, 2004. After transport to the Winzler & Kelly office, the samples were submitted to RJ Lee Group, Inc., under chain-of-custody, for identification of asbestos content. Duplicate samples were submitted to Forensic Analytical, Inc., under chain of custody, for identification of asbestos content.

All findings, conclusions, and analytical data presented in this report are based on the information obtained from working knowledge of the structures and information (field inspection and sampling data) obtained by Winzler & Kelly's inspection during the survey.

Each suspect asbestos-containing material (ACM) identified was bulk sampled in general accordance with sampling guidelines established by the Environmental Protection Agency and 29 CFR 1926.1101. The following summarizes the sampling procedures utilized.

- ❖ The general location of each ACM was tabulated and marked on corresponding maps. For ease of determining sample locations, samples collected from the roof were deemed "exterior" whether they were taken inside an attic off the roof or simply on the roof itself. Samples obtained from mechanical rooms or inside of the respective structures were considered "interior".
- ❖ These materials were then categorized into homogeneous materials. A homogeneous material is defined as being uniform in texture, color, and date of application.
- ❖ A sampling scheme was developed based upon the location and quantity of the various homogeneous materials. Sample numbers were recorded on data sheets and each sample was

categorized as a miscellaneous material (MM), surfacing material (SM), or thermal system insulation (TSI). Further, the condition of the sample material was classified into AHERA damage categories in addition to assessing friability. The classifications are as follows:

Not damaged (ND)- no damage
Damaged (DG) - loss of cohesion or adhesion properties wherein <25% of the damage is localized, or <10% of the damage occurs in the overall area.
Significantly Damaged (SD)- loss of cohesion or adhesion properties wherein >25% of the damage is localized, or >10% of the damage occurs in the overall area.
Friable- can easily be crumbled when dry
Non-Friable- not easily crumbled when dry
Potential for Significant Damage - Applies to friable ACBM that is in a regularly occupied area, wherein a reasonable likelihood exists that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors including, but not limited to, accessibility, vibration, or air erosion.

- Bulk samples were collected by a Winzler & Kelly Cal /OSHA Certified Asbestos Consultant (CAC) and a Certified Site Surveillance Technician (CSST) using appropriate sampling tools and leak-tight containers.
- Decontamination of bulk sampling tools was used to prevent the spread of secondary contamination to subsequent bulk samples.
- Each bulk sample was individually numbered and recorded on a Bulk Sample Log and sent to RJ Lee Group, Inc.
- The samples were analyzed by Polarized Light Microscopy (PLM) following National Institute of Occupational Safety and Health (NIOSH) Method 9002. Tables 1A-1G outline the sample number, sample description, sample location, and the concentration of asbestos, if any and quantities of asbestos containing materials. Laboratory data and chain of custody forms are included in Appendix A. Asbestos sample locations can be found in Figures 1-10, Appendix B.

IV. CONCLUSIONS AND RECOMMENDATIONS FOR ASBESTOS

Asbestos containing building materials (ACBM), as listed below, were found in the following locations:

Physical Education Building
HV-5 Mechanical Room
✓ Yellow mastic on flexible black duct connector off the air handlers
HV-8 Mechanical Room
✓ Transite piping, 4" diam. (Not sampled – presumed asbestos-containing)

Applied Technology/Automotive Shop Building

Automotive Shop

✓ Covering on top of heat shields

Machine Shop

✓ Covering on top of heat shields

Applied Technology

✓ TSI, 3" diam. horizontal
✓ White patching on round ducting off heating unit
✓ White patching on ducting
✓ TSI, 4" diam. horizontal between green fiberglass and loose debris beneath
✓ TSI, 2.5" diam. horizontal

Creative Arts Building

HV-4 Mechanical Room

✓ Joint compound

HV-5 Mechanical Room

✓ Joint compound

Physical Science Building

✓ Seam sealant, gray on 3" and 5" diam. TSI
✓ Seam sealant, gray
✓ End sealant, gray on 3.5" diam. horizontal with metal jacket
✓ Seam sealant, gray on 3.5" diam. horizontal with metal jacket
✓ End sealant, gray on 4" diam. horizontal with metal jacket

Life Science Building

✓ End sealant, gray on 5" diam. horizontal
✓ Transite piping, 5" diam. (Not sampled – presumed asbestos-containing)

See Tables 1A-1G for sample locations, asbestos containing materials and quantities.

There are six regulations that either require or imply that an asbestos inspection must be done prior to work being done that will disturb (disrupt the matrix, crumble, pulverize or generate visible debris) ACM. The first is the NESHAP regulation which requires an inspection prior to a demolition or a renovation over the notification amounts. The second is the OSHA Asbestos Standard for the construction Industry which requires TSI, surfacing, and flooring to be treated as ACM if they are present in buildings constructed before 1981. The third stems from the Cal/OSHA IIPP requirements for hazard determination and inspection. The fourth is the California Asbestos Notification Act. The fifth is the Hazard Substances Removal Contract requirements in California, while the sixth is California Labor Code 6501.9 which indicates the building owner must determine if asbestos containing construction material (ACCM) is present prior to contracted work (>0.1% asbestos).

According to the National Emission Standard for Hazardous Air Pollutants (NESHAP), asbestos-containing building material (>1% asbestos) must be removed prior to demolition or renovation, if the material is considered to be a Regulated Asbestos-Containing Material (RACM), and which will be disturbed (made friable). RACM is generally defined as all friable asbestos containing material and non-friable material, which contain >1% asbestos, that will become friable during renovation. The North Coast Unified Air Quality District must be notified for all demolitions falling under this category and must be notified for any renovations that disturb RACM (friable or non friable that will become friable) above the notification amounts. The EPA notification amounts are 160 square feet and 260 linear feet. Typically the EPA is notified when dry removal or non-standard work practices are proposed.

The California Business and Professions Code, Section 7058.5 et. seq. requires asbestos abatement contractors to be certified with the Contractor State Licensing Board (in addition to being registered annually with CAL-OSHA). They must be certified if, at one job site, at one time, they ever engage in asbestos-related work involving 100 square feet or more of asbestos-containing construction materials (ACCM), which is defined as containing >0.1% asbestos. Practices for asbestos removal are regulated by CAL-OSHA. The Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65), regulates chemicals in California that cause cancer or reproductive toxicity. The list of chemicals involved is published in Division 2 of Title 22, beginning with Section 12000. Asbestos is on this list. In addition, a Report of Use form must be filed with CAL-OSHA when a carcinogen is disturbed during renovation or demolition.

In addition to Prop 65 signage, building owners also have responsibilities to provide a safe work environment and must notify employees and contractors working inside a building known to contain asbestos. Two of these specific laws are the Asbestos Notification Act (California Health and Safety Code, Section 25915 et. seq.) and Proposition 65.

The Asbestos Notification Act applies to building owners, professional property managers of and tenants in non-residential buildings built before 1979 who know of asbestos containing construction materials (ACCM) (>0.1% asbestos) in their buildings. They must provide a specific written notification to employees and contractors in the building. Results of inspections, sampling, etc. must be shared, warning signs posted, and various other actions taken. This notification must be done each year. In addition, a supplemental notification must be done within 90 days of a change in the material or the receipt of additional sampling results. A copy of this notice must be given to every co-owner or tenant. Tenants who receive this notice are required to notify their employees.

The Asbestos Notification Act is a complicated regulation and is interpreted differently by many individuals. Winzler & Kelly strongly encourages College of the Redwoods to obtain legal advice before developing a response to this regulation. Once in place, this notice can serve as a regular reminder that the building owner is safely and effectively managing the ACCM in the building.

Under Section 25359.7 of the Health and Safety Code, owners of real estate property who know of or have reasonable cause to believe that ACM is present must disclose that prior to sale. Proposition 65 involves the public notification and warning required by the regulation. There is controversy on how to appropriately comply. In general, unless the ACM in a building is damaged and thus the owner believes it is contaminating air in the building, the owner does not have to specifically post the Proposition 65 warning sign (just for the asbestos). On the other hand, these warning signs should be displayed whenever and wherever asbestos work is being done. Many building owners routinely add the Proposition 65 warning as part of their compliance with the Asbestos Notification Act (See Sections 25249.5 & 25249.6 of the Health & Safety Code).

In addition to the above-mentioned regulation, the following regulations will most likely apply to any renovation proposal:

- ✓ Section 25914.1-3 Health and Safety Code
- ✓ Section 25359.7 Health and Safety Code
- ✓ Section 19827.5 Health and Safety Code
- ✓ 29 CFR 1910.1001
- ✓ 29 CFR 1926.1101
- ✓ 40 CFR Part 61, Subpart M (NESHAP)
- ✓ 8 CCR Article 4, 1529
- ✓ 8 CCR Article 110, 5208
- ✓ Labor Code Section 9000 et. seq.
- ✓ Labor Code section 6501.9
- ✓ 8 CCR Article 2.5. Section 341.6 et. seq.
- ✓ 8 CCR Article 2.5, Section 341.9
- ✓ Asbestos Hazard Emergency Response Act (AHERA)

Asbestos regulations are complicated and are subject to change. The intent of the above information is to advise you of some of the regulations that may affect you, but is not intended to be an all-encompassing discussion of asbestos regulations.

V. ABATEMENT STRATEGY

Once College of the Redwoods decides if the structures will have activities that might impact asbestos containing building materials, it is recommended to prepare specifications for the removal. As stated earlier in this report, asbestos only needs to be removed if it is going to be impacted during renovation or demolition activities, or repaired if it is damaged. Abatement specifications will include details of the abatement process including, but not limited to, scope of work, notifications, submittals, materials, equipment, asbestos material removal procedures, disposal procedures, air clearance, criteria and OSHA personal air monitoring requirements.

Tables 1A-1G are a summary of Asbestos Laboratory Data and Quantities.

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PHYSICAL EDUCATION BUILDING
EUREKA, CALIFORNIA

Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-1 Equipment Room	TSI – spun glass, 3" diam. horizontal	Equipment room, helmet and film storage room, northeast corner off radiator	None Detected	NA	NA	NA
WK/1664-2 HV-4	Duct fabric, white	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-3 HV-4	TSI – spun glass on ducting under fabric	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-4 HV-4	Duct fabric, white	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-5 HV-4	TSI – spun glass on ducting under fabric	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-6 HV-4	Duct fabric, white	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-7 HV-4	TSI – spun glass on ducting under fabric	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-8 HV-4	Flexible duct connector, black	HV-4 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-9 HV-4	Flexible duct connector, black	HV-4 Mechanical room, south side	None Detected	NA	NA	NA

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Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-10 HV-4	White fabric over TSI, 3" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-11 HV-4	TSI – spun glass, 3" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-12 HV-4	Fabric over TSI, 5" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-13 HV-4	TSI – spun glass, 5" diam. horizontal	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-14 HV-4	TSI – spun glass, 5" diam. elbow	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-15 HV-4	Fabric over TSI, 4" diam. vertical	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-16 HV-4	TSI – spun glass, 4" diam. vertical	HV-4 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-17 HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-17D HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA

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Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-18 HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-18D HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-19 HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-19D HV-5	Duct fabric, white	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-20 HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-20D HV-5	TSI – spun glass on ducting under fabric	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-21 HV-5	Flexible duct connector, black	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-21D HV-5 (Yellow Mastic)	**Yellow mastic and flexible duct connector, black**	**HV-5 Mechanical room, north side**	**7% Chrysotile**	**Non-Friable**	**All mastic on flexible duct connectors**	**Not Damaged**
WK/1664-21D HV-5 (Duct Connector)	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	None Detected	NA	NA	NA

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Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-22 HV-5 (Yellow Mastic)	**Yellow mastic and flexible duct connector, black**	**HV-5 Mechanical room, north side**	**40% Chrysotile**	**Non-Friable**	**All mastic on flexible duct connectors**	**Not Damaged**
WK/1664-22 HV-5 (Duct Connector))	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-22D HV-5 (Yellow Mastic)	**Yellow mastic and flexible duct connector, black**	**HV-5 Mechanical room, north side**	**7% Chrysotile**	**Non-Friable**	**All mastic on flexible duct connectors**	**Not Damaged**
WK/1664-22D HV-5 (Duct Connector)	Yellow mastic and flexible duct connector, black	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-23 HV-5	White fabric over TSI, 3.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-24 HV-5	TSI – spun glass, 3.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-25 HV-5	White fabric over TSI, 5" diam. horizontal	HV-5 Mechanical room, south side	None Detected	NA	NA	NA
WK/1664-26 HV-5	TSI – spun glass, 5" diam. horizontal	HV-5 Mechanical room, south side	None Detected	NA	NA	NA

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Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-81 HV-8	Caulking, white	HV-8 Mechanical room, large ducting off HVAC unit, east side	None Detected	NA	NA	NA
WK/1664-82 HV-8	White cloth wrap and TSI – spun glass, 2.75" diam. vertical	HV-8 Mechanical room, piping off HVAC unit, south side	None Detected	NA	NA	NA
WK/1664-83 HV-8	Silver paper wrap and TSI – spun glass, 3" diam. vertical	HV-8 Mechanical room, piping off HVAC unit, south side	None Detected	NA	NA	NA
WK/1664-84 HV-8	White cloth wrap and TSI – spun glass, 3.75" diam. vertical	HV-8 Mechanical room, piping in northwest corner	None Detected	NA	NA	NA
WK/1664-85 HV-8	White cloth wrap and TSI – spun glass, 3.75" diam. vertical	HV-8 Mechanical room, piping in northwest corner	None Detected	NA	NA	NA
WK/1664-86 HV-8	White corrugated paper wrap and TSI – spun glass, 3" diam. vertical	HV-8 Mechanical room, piping in northwest corner	None Detected	NA	NA	NA

LIMITED ASBESTOS SURVEY
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Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
Presumed HV-8	**Transite piping, 4" diam.**	**HV-8 Mechanical room, piping in northwest corner**	**Presumed Asbestos-Containing**	**Non-Friable**	**2 pipes totaling 8 LF, quantity doesn't include piping on roof**	**Not Damaged**
WK/1664-87 Pool Filter Room Attic	TSI debris, white	Pool filter room attic, floor north of access hatch	None Detected	NA	NA	NA
WK/1664-88 Pool Filter Room Attic	Mudded joints between TSI, 3.5" diam. horizontal	Pool filter room attic, directly above access hatch	None Detected	NA	NA	NA
WK/1664-89 Pool Filter Room Attic	TSI, white 3.5" diam. horizontal	Pool filter room attic, south of access hatch	None Detected	NA	NA	NA
WK/1664-90 Pool Filter Room Attic	Mudded elbow on 3.5" diam. horizontal	Pool filter room attic, south of access hatch	None Detected	NA	NA	NA
WK/1664-91 Pool Filter Room Attic	TSI, white 3.5" diam. vertical	Pool filter room attic, south of access hatch	None Detected	NA	NA	NA

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Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-92 Pool Filter Room Attic	Silver paper wrap over TSI, 4" diam. vertical	Pool filter room attic, north of access hatch	None Detected	NA	NA	NA
WK/1664-93 Pool Filter Room Attic	TSI – spun glass, 4" diam. vertical	Pool filter room attic, north of access hatch	None Detected	NA	NA	NA
WK/1664-94 Pool Filter Room Attic	Duct taping, white	Pool filter room attic, central room, east of access door	None Detected	NA	NA	NA
WK/1664-95 Pool Filter Room Attic	TSI – spun glass, pink	Pool filter room attic, central room, on large ducting covered with visquine	None Detected	NA	NA	NA
WK/1664-96 Pool Filter Room Attic	Composite shingles laid over flooring	Pool filter room attic, central room, below round ducting, east side of room	None Detected	NA	NA	NA
WK/1664-97 Pool Filter Room Attic	Duct taping, white	Pool filter room attic, eastern room, on round ducting	None Detected	NA	NA	NA

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Table 1A
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-98 Pool Filter Room Attic	Silver paper wrap over TSI, 4" diam. horizontal	Pool filter room attic, central room, north side	None Detected	NA	NA	NA
WK/1664-99 Pool Filter Room Attic	TSI – spun glass, 4" diam. horizontal	Pool filter room attic, central room, north side	None Detected	NA	NA	NA
WK/1664-100 Pool Filter Room Attic	Composite shingles laid over flooring	Pool filter room attic, central room, just east of access door	None Detected	NA	NA	NA

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Table 1B
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-27 Automotive Shop, Interior	Covering on top of heat shield	Automotive shop garage #129, south side	55% Chrysotile	Friable	660 SF Quantity includes Machine Shop	Not Damaged
WK/1664-28 Automotive Shop, Interior	Covering on top of heat shield	Automotive shop garage #129, south side	55% Chrysotile	Friable	Incl. in Sample 27	Not Damaged
WK/1664-126 Applied Technology Interior	TSI, 3" diam. horizontal	Attic space in kitchen area off community and economic room	15% Chrysotile 25% Amosite	Friable	1 LF	Not Damaged
WK/1664-127 Applied Technology Interior	White patching on round ducting off HVAC unit	Attic space in small office off community and economic room	10% Chrysotile	Non-Friable	300-1000 SF Quantity approx. as material present in multiple buildings	Not Damaged
WK/1664-128 Applied Technology Exterior	Silver coating	Exterior, roof, east of access hatch on 5" diam. horizontal	None Detected	NA	NA	NA

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FOR THE COLLEGE OF THE REDWOODS
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Table 1B
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-129 Applied Technology Exterior	Silver coating with fibrous backing	Exterior, roof, east of access hatch on 1" diam. horizontal	None Detected	NA	NA	NA
WK/1664-130 Applied Technology Exterior	Silver coating	Exterior, roof, east of access hatch on 3.5" diam. horizontal	None Detected	NA	NA	NA
WK/1664-131 Applied Technology Exterior	Loose debris, white	Exterior, roof, west wing, northeast attic	None Detected	NA	NA	NA
WK/1664-132 Applied Technology Exterior	**White patching on ducting**	**Exterior, roof, west wing, northeast attic**	**10% Chrysotile**	**Non-Friable**	**Incl. in Sample 127**	**Not Damaged**
WK/1664-133 Applied Technology Exterior	Joint taping, white-painted green	Exterior, roof, central portion, north side	None Detected	NA	NA	NA
WK/1664-134 Applied Technology Exterior	Mastic, black	Exterior, roof, east wing, north side on 1" diam. horizontal	None Detected	NA	NA	NA
WK/1664-135 Applied Technology Exterior	**TSI, 4" diam. horizontal and loose debris beneath**	**Exterior, roof, east wing, northeast attic**	**10% Chrysotile**	**Friable**	**8 LF**	**Damaged**

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Table 1B
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-136 Applied Technology Exterior	TSI, 2.5" diam. horizontal	Exterior, roof, west wing, attic on east side	10% Chrysotile 10% Crocidolite	Friable	1 LF	Damaged

LIMITED ASBESTOS SURVEY
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CREATIVE ARTS BUILDING
EUREKA, CALIFORNIA

Table 1C
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-29 HV-4 (Joint Compound)	**Joint compound/ sheetrock**	**HV-4 Mechanical room wall, southeast corner**	**<1% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-29 HV-4 (Sheetrock)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southeast corner	None Detected	NA	NA	NA
WK/1664-29 HV-4 (Composite)	**Joint compound/ sheetrock**	**HV-4 Mechanical room wall, southeast corner**	**<1% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-30 HV-4 (Joint Compound)	**Joint compound/ sheetrock**	**HV-4 Mechanical room wall, southwest area**	**<1% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-30 HV-4 (Sheetrock)	Joint compound/ sheetrock	HV-4 Mechanical room wall, southwest area	None Detected	NA	NA	NA
WK/1664-30 HV-4 (Composite)	**Joint compound/ sheetrock**	**HV-4 Mechanical room wall, southwest area**	**<1% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-31 HV-4	Duct taping, white	HV-4, large ducting, west side	None Detected	NA	NA	NA
WK/1664-32 HV-4	Duct taping, white	HV-4 Mechanical room, large ducting, west side	None Detected	NA	NA	NA

LIMITED ASBESTOS SURVEY
FOR THE COLLEGE OF THE REDWOODS
CREATIVE ARTS BUILDING
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Table 1C
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-33 HV-4	Duct taping, white	HV-4 Mechanical room, large ducting, east side	None Detected	NA	NA	NA
WK/1664-34 HV-4	Duct taping, white	HV-4 Mechanical room, large ducting, west side	None Detected	NA	NA	NA
WK/1664-35 HV-4	Flexible duct connector, white	HV-4 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-36 HV-4	Cloth wrap over TSI, 2.5" diam. horizontal	HV-4 Mechanical room, large ducting, south side	None Detected	NA	NA	NA
WK/1664-37 HV-4	Paper wrap and TSI – spun glass, 2.5" diam. horizontal	HV-4 Mechanical room, large ducting, south side	None Detected	NA	NA	NA
WK/1664-38 HV-4	Paper wrap on TSI, 2.5" diam. horizontal	HV-4 Mechanical room, large ducting, south side	None Detected	NA	NA	NA
WK/1664-39 HV-5 (Joint Compound)	**Joint compound/ sheetrock**	**HV-5 Mechanical room wall, northwest side**	**2% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-39 HV-5 (Sheetrock)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northwest side	None Detected	NA	NA	NA

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Table 1C
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-39 HV-5 (Composite)	**Joint compound/ sheetrock**	**HV-5 Mechanical room wall, northwest side**	**<1% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-40 HV-5 (Joint Compound)	**Joint compound/ sheetrock**	**HV-5 Mechanical room wall, northeast side**	**<1% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-40 HV-5 (Sheetrock)	Joint compound/ sheetrock	HV-5 Mechanical room wall, northeast side	None Detected	NA	NA	NA
WK/1664-40 HV-5 (Composite)	**Joint compound/ sheetrock**	**HV-5 Mechanical room wall, northeast side**	**<1% Chrysotile**	**Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-41 HV-5	Duct taping, white	HV-5 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-42 HV-5	Duct taping, white	HV-5 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-43 HV-5	Duct taping, white	HV-5 Mechanical room, large ducting, north side	None Detected	NA	NA	NA
WK/1664-44 HV-5	Flexible duct connector, white	HV-5 Mechanical room, large ducting, south side	None Detected	NA	NA	NA

LIMITED ASBESTOS SURVEY
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Table 1C
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-45 HV-5	Paper wrap over TSI, 2.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-46 HV-5	TSI – spun glass, 2.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-47 HV-5	Cloth wrap over TSI, 2.5" diam. horizontal	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-48 HV-5	Paper wrap over TSI, 2.5" diam. vertical	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-49 HV-5	TSI – spun glass, 2.5" diam. vertical with metal jacket	HV-5 Mechanical room, north side	None Detected	NA	NA	NA
WK/1664-50 Exterior	TSI – neoprene material, 2.75" diam. vertical	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-51 Exterior	Tar/cloth wrap on pipe connecting to HVAC unit	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-52 Exterior	Tar/cloth wrap on pipe connecting to HVAC unit	Exterior, roof, northwest wing	None Detected	NA	NA	NA

Table 1C
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-53 Exterior	TSI – spun glass, 3" diam. vertical with metal jacket	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-54 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-55 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-56 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-57 Exterior	Duct taping, white – painted green	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-58 Exterior	Silver paper wrap and spun glass on ducting	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA
WK/1664-59 Exterior	Silver paper wrap and spun glass on ducting	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA
WK/1664-60 Exterior	Silver paper wrap over 2.5" diam. horizontal	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA

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Table 1C
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-61 Exterior	TSI – spun glass, 2.5" diam. horizontal	Exterior, attic off roof, northwest wing	None Detected	NA	NA	NA
WK/1664-62 Exterior	Silver paper wrap and spun glass on ducting	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-63 Exterior	Silver paper wrap and spun glass on ducting	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-64 Exterior	Joint wrap paper, silver on 4" diam. horizontal	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-65 Exterior	TSI – spun glass, 4" diam. horizontal	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA
WK/1664-66 Exterior	Joint wrap paper, silver on 5" diam. horizontal	Exterior, roof attic off corridor outside HV-5	None Detected	NA	NA	NA

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PHYSICAL SCIENCE BUILDING
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Table 1D
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-67 Exterior	Silver paper wrap and TSI – spun glass, 3" diam. horizontal	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-68 Exterior	TSI – spun glass 3.5" diam. horizontal	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-69 Exterior	Silver paper wrap on TSI – spun glass, 5" diam. horizontal	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-70 Exterior	**Seam sealant, gray on 3" and 5" diam. TSI**	**Exterior, roof, northwest wing**	**1% Chrysotile**	**Non-Friable**	**All gray sealant**	**Damaged**
WK/1664-71 Exterior	Paint, lt. gray on ducting	Exterior, roof, northwest wing	None Detected	NA	NA	NA
WK/1664-72 Exterior	**Seam sealant, gray**	**Exterior, roof, southern wing**	**1% Chrysotile**	**Non-Friable**	**All gray sealant**	**Not Damaged**
WK/1664-73 Exterior	Silver paper wrap and TSI – spun glass, 3" diam. horizontal	Exterior, roof, southern wing	None Detected	NA	NA	NA
WK/1664-74 Exterior	Paint, lt. gray on ducting	Exterior, roof, northeast wing	None Detected	NA	NA	NA

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Table 1D
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-75 Exterior	Silver paper wrap and TSI – spun glass, 3.5" diam. horizontal with plastic jacket	Exterior, roof, northeast wing	None Detected	NA	NA	NA
WK/1664-76 Exterior	**End sealant, gray on 3.5" diam. horizontal with metal jacket**	**Exterior, roof, northeast wing**	**1% Chrysotile**	**Non-Friable**	**All gray sealant**	**Not Damaged**
WK/1664-77 Exterior	**Seam sealant, gray on 3.5" diam. horizontal with metal jacket**	**Exterior, roof, northeast wing**	**2% Chrysotile**	**Non-Friable**	**All gray sealant**	**Not Damaged**
WK/1664-78 Exterior	Silver paper wrap and TSI – spun glass, 4" diam. horizontal with metal jacket	Exterior roof, central elevated section	None Detected	NA	NA	NA
WK/1664-79 Exterior	**End sealant, gray on 4" diam. horizontal with metal jacket**	**Exterior roof, central elevated section**	**1% Chrysotile**	**Non-Friable**	**All gray sealant**	**Not Damaged**

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LIFE SCIENCE BUILDING
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Table 1E
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-80 Exterior	End sealant, gray on 5" diam. horizontal	Exterior, roof, north side	2% Chrysotile	Non-Friable	All gray sealant	Not Damaged
Presumed Exterior	Transite piping, 5" diam.	Exterior, roof attic on east side	Presumed Asbestos-Containing	Non-Friable	2 pipes totaling 30 LF	Not Damaged

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Table 1F
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-101 Exterior	Silver paper wrap and TSI – spun glass, 5" diam. horizontal with metal jacket	Exterior, roof, west side	None Detected	NA	NA	NA
WK/1664-102 Exterior	Silver paper wrap and TSI – spun glass, 5" diam. horizontal with metal jacket	Exterior, roof, north side	None Detected	NA	NA	NA
WK/1664-103 Exterior	**Elbow sealant, gray on 4" diam. elbow**	**Exterior, roof, north side**	**<1% Chrysotile**	**Non-Friable**	**All gray sealant**	**Not Damaged**
WK/1664-104 Exterior	Flexible duct connector, painted white	Exterior, roof, north side	None Detected	NA	NA	NA
WK/1664-105 Exterior	**End sealant, gray on 3" diam. horizontal**	**Exterior, roof, east side**	**<1% Chrysotile**	**Non-Friable**	**All gray sealant**	**Not Damaged**

LIMITED ASBESTOS SURVEY
FOR THE COLLEGE OF THE REDWOODS
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EUREKA, CALIFORNIA

Table 1G
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-106 Interior (Joint Compound)	**Joint compound/ sheetrock**	**Interior, Forum, triangular room at southeast corner FM 103**	**2% Chrysotile**	**Non-Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-106 Interior (Sheetrock)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	None Detected	NA	NA	NA
WK/1664-106 Interior (Composite)	**Joint compound/ sheetrock**	**Interior, Forum, triangular room at southeast corner FM 103**	**<1% Chrysotile**	**Non-Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-107 Interior (Joint Compound)	**Joint compound/ sheetrock**	**Interior, Forum, triangular room at southeast corner FM 103**	**<1% Chrysotile**	**Non-Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-107 Interior (Sheetrock)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	None Detected	NA	NA	NA
WK/1664-107 Interior (Composite)	**Joint compound/ sheetrock**	**Interior, Forum, triangular room at southeast corner FM 103**	**<1% Chrysotile**	**Non-Friable**	**All J.C./SR wall systems**	**Not Damaged**

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Table 1G
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-108 Interior (Joint Compound)	**Joint compound/ sheetrock**	**Interior, Forum, triangular room at southeast corner FM 103**	**<1% Chrysotile**	**Non-Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-108 Interior (Sheetrock)	Joint compound/ sheetrock	Interior, Forum, triangular room at southeast corner FM 103	None Detected	NA	NA	NA
WK/1664-108 Interior (Composite)	**Joint compound/ sheetrock**	**Interior, Forum, triangular room at southeast corner FM 103**	**<1% Chrysotile**	**Non-Friable**	**All J.C./SR wall systems**	**Not Damaged**
WK/1664-109 Interior	**White fabric wrap and TSI, 3" diam. elbow**	**Interior, Forum, theatre backstage, piping off radiator**	**2% Chrysotile**	**Friable**	**8 elbows**	**Not Damaged**
WK/1664-110 Interior	White fabric wrap and TSI – spun glass, 3" diam. horizontal	Interior, Forum, theatre backstage, piping off radiator	None Detected	NA	NA	NA
WK/1664-111 Interior	**White fabric wrap and TSI, 3" diam. elbow**	**Interior, Forum, theatre backstage, piping off radiator**	**2% Chrysotile**	**Friable**	**Incl. in Sample 109**	**Damaged**

LIMITED ASBESTOS SURVEY
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Table 1G
Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-112 Interior	White fabric wrap and TSI – spun glass, 3" diam. vertical	Interior, Forum, theatre backstage, piping off radiator	None Detected	NA	NA	NA
WK/1664-113 Exterior	Caulking, black, on ducting	Exterior, easternmost roof, west side	None Detected	NA	NA	NA
WK/1664-114 Exterior	Caulking, black, on ducting	Exterior, easternmost roof, east side	None Detected	NA	NA	NA
WK/1664-115 Exterior	Tan fabric and TSI – spun glass, 3" diam. horizontal	Exterior, easternmost roof, attic northeast corner	None Detected	NA	NA	NA
WK/1664-116 Exterior	Duct patching, white	Exterior, easternmost roof, attic under elevated roof	None Detected	NA	NA	NA
WK/1664-117 Exterior	Flexible duct connector, gray	Exterior, westernmost roof, east side	None Detected	NA	NA	NA
WK/1664-118 Exterior	**End sealant, gray**	**Exterior, westernmost roof, above access hatch**	**2% Chrysotile**	**Non-Friable**	**All gray sealant**	**Not Damaged**

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Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-119 Exterior	Silver paper wrap and TSI – spun glass, 3.25" diam. horizontal with metal jacket	Exterior, westernmost roof, above access hatch	None Detected	NA	NA	NA
WK/1664-120 Exterior	Flexible duct connector, gray	Exterior, westernmost roof, west of access hatch	None Detected	NA	NA	NA
WK/1664-121 Exterior	**Loose Debris**	**Exterior, westernmost roof, attic west of access hatch on north side**	**<1% Chrysotile <1% Amosite**	**Friable**	**10 SF**	**Significantly Damaged**
WK/1664-122 Exterior	Silver paper wrap and TSI – spun glass, 5" diam. horizontal with metal jacket	Exterior, westernmost roof, south side	None Detected	NA	NA	NA
WK/1664-123 Exterior	**Loose debris**	**Exterior, westernmost roof, attic on south side**	**<1% Chrysotile**	**Friable**	**5 SF**	**Significantly Damaged**

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Summary of Asbestos Data and Quantities

Sample Number	Sample Description	Location	Asbestos % Type	Friable vs. Non-Friable	Quantity	Comments
WK/1664-124 Exterior	White fabric cover and TSI, 2.5" diam. elbow	Exterior, westernmost roof, attic on south side	2% Chrysotile	Friable	10 LF Quantity Incl. multiple elbows on 2.5" & 3.75" diam. pipes	Not Damaged
WK/1664-125 Exterior	White fabric cover and TSI, 3.75" diam. elbow	Exterior, westernmost roof, attic on south side	2% Chrysotile	Friable	Incl. in Sample 124	Not Damaged

APPENDIX A

Asbestos Laboratory Data and Chain-of-Custody Forms

Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results

Project AOC312336

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059207CPL Yellow TSI	WK/1654-1	-	-	-	-	-	-	<1 %	20 %	60 %	-	-	20 %	12/24/03 SSY
								NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.						Non Homogeneous

Samples received on: Monday, December 22, 2003

Authorized Signature

Stephen S. Yata, Geologist

Date Monday, December 29, 2003

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Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results

Project AOC312338

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059208CPL	WK/1664-2	-	-	-	-	-	-	90 %	-	<1 %	-	-	10 %	12/24/03
White duct fabric						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	
0059209CPL	WK/1664-3	-	-	-	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03
Yellow TSI						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Non Homogeneous	
0059210CPL	WK/1664-4	-	-	-	-	-	-	90 %	-	-	-	-	10 %	12/24/03
White duct fabric						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	
0059211CPL	WK/1664-5	-	-	-	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03
Yellow TSI						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Non Homogeneous	
0059212CPL	WK/1664-6	-	-	-	-	-	-	70 %	5 %	5 %	-	-	20 %	12/24/03
Yellow TSI ; wht. duct insulation						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Non Homogeneous	
0059213CPL	WK/1664-7	-	-	-	-	-	-	-	10 %	70 %	-	-	20 %	12/24/03
Yellow TSI						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Non Homogeneous	

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Project AOC312338

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059214CPL	WK/1664-8	-	-	-	-	-	-	-	-	10 %	-	-	90 %	12/24/03 SSY
Black duct connector		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059215CPL	WK/1664-9	-	-	-	-	-	-	-	-	12 %	-	-	88 %	12/24/03 SSY
Black duct connector		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059216CPL	WK/1664-10	-	-	-	-	-	-	80 %	-	-	-	-	20 %	12/24/03 SSY
White fabric		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059217CPL	WK/1664-11	-	-	-	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03 SSY
Yellow TSI		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059218CPL	WK/1664-12	-	-	-	-	-	-	90 %	-	-	-	-	10 %	12/24/03 SSY
Tan fabric		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059219CPL	WK/1664-13	-	-	-	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03 SSY
Yellow TSI		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous

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Project AOC312338

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059220CPL Yellow TSI	WK/1664-14	-	-	-	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Homogeneous	
0059221CPL Tan fabric	WK/1664-15	-	-	-	-	-	-	85 %	-	-	-	-	15 %	12/24/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.											Homogeneous	
0059222CPL Yellow TSI	16	-	-	-	-	-	-	<1 %	30 %	50 %	-	-	20 %	12/24/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Non Homogeneous	

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Project AOC312339

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059223CPL Yellow insulation	WK/1664-17	-	-	-	-	-	-	-	-	100 %	-	-	-	12/29/03 ES
						NFM: Opaq, Misc. Part.								Homogeneous
0059224CPL Duct tape	WK/1664-18	-	-	-	-	-	-	-	-	50 %	-	-	50 %	12/29/03 ES
						NFM: Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059225CPL Duct tape	WK/1664-19	-	-	-	-	-	-	95 %	-	5 %	-	-	-	12/29/03 ES
						NFM: Binder, Opaq, Misc. Part.								Homogeneous
0059226CPL Fabric tape	WK/1664-20	-	-	-	-	-	-	60 %	-	20 %	-	-	20 %	12/29/03 ES
						NFM: Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059227CPL Yellow insulation	WK/1664-21	-	-	-	-	-	-	-	-	100 %	-	-	-	12/29/03 ES
						NFM: Opaq, Misc. Part.								Homogeneous
0059228CPL Duct tape	WK/1664-22	-	-	-	-	-	-	50 %	-	-	-	-	50 %	12/29/03 ES
						NFM: , Misc. Part.								Homogeneous

Samples received on: Monday, December 22, 2003

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Date Wednesday, January 7, 2004

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Test Report - Winzler & Kelly

Polarized Light Microcopy Analysis Results

Project AOC312339

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059228CPL-1 Yellow glue	WK/1664-22	40 %	-	-	-	-	-	-	-	-	-	-	60 %	12/29/03 ES
						NFM: , Misc. Part.							Homogeneous	
0059229CPL white duct fabric	WK/1664-23	-	-	-	-	-	-	90 %	-	6 %	-	-	4 %	12/29/03 ES
						NFM: Opaq, Misc. Part.							Homogeneous	
0059230CPL Yellow insulation	WK/1664-24	-	-	-	-	-	-	-	-	100 %	-	-	-	12/29/03 ES
						NFM: Opaq, Misc. Part.							Homogeneous	
0059231CPL Duct fabric	WK/1664-25	-	-	-	-	-	-	90 %	-	10 %	-	-	-	12/29/03 ES
						NFM: Opaq, Misc. Part.							Homogeneous	
0059232CPL Yellow insulation	WK/1664-26	-	-	-	-	-	-	-	-	100 %	-	-	-	12/29/03 ES
						NFM: Opaq, Misc. Part.							Homogeneous	

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Polarized Light Microscopy Analysis Results

Project AOC312340

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059233CPL	WK/1664-27	55 %	-	-	-	-	-	35 %	-	-	-	-	10 %	12/29/03 ES
Grey insulation					NFM: Opaq, Misc. Part.								Homogeneous	
0059234CPL	WK/1664-28	55 %	-	-	-	-	-	45 %	-	-	-	-	-	12/29/03 ES
Grey insulation					NFM: Opaq, Misc. Part.								Homogeneous	

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Polarized Light Microscopy Analysis Results

Project AOC312341

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059235CPL	WK/1664-29	<1 %	-	-	-	-	-	3 %	-	<1 %	-	-	97 %	12/29/03 SSY
White drywall ; wht. comp						NFM: Qtz, Carb, Binder, Opaq, Gyp, Mica, Misc. Part.								Non Homogeneous
Layer Content:	Comp <1% Chrysotile ; Other Layer : None Detected													
0059236CPL	WK/1664-30	<1 %	-	-	-	-	-	3 %	-	<1 %	-	-	97 %	12/29/03 SSY
White drywall ; wht. comp						NFM: Qtz, Carb, Binder, Opaq, Gyp, Mica, Misc. Part.								Non Homogeneous
Layer Content:	Comp <1% Chrysotile ; Other Layer : None Detected													
0059237CPL	WK/1664-31	-	-	-	-	-	-	90 %	-	-	-	-	10 %	12/29/03 SSY
White duct tape						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059238CPL	WK/1664-32	-	-	-	-	-	-	90 %	-	-	-	-	10 %	12/29/03 SSY
White duct tape						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059239CPL	WK/1664-33	-	-	-	-	-	-	90 %	-	-	-	-	10 %	12/29/03 SSY
White duct tape						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059240CPL	WK/1664-34	-	-	-	-	-	-	90 %	-	-	-	-	10 %	12/29/03 SSY
White duct tape						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								Homogeneous

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Project AOC312341

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059241CPL	WK/1664-35	-	-	-	-	-	-	-	-	20 %	-	-	80 %	12/29/03
White duct connector						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
														Homogeneous
0059242CPL	WK/1664-36	-	-	-	-	-	-	80 %	-	-	-	-	20 %	12/29/03
White cloth wrap						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
														Homogeneous
0059243CPL	WK/1664-37	-	-	-	-	-	-	40 %	-	20 %	-	-	40 %	12/29/03
Brown paper ; yellow insulation						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
														Non Homogeneous
0059244CPL	WK/1664-38	-	-	-	-	-	-	50 %	-	20 %	-	-	30 %	12/29/03
Brown paper wrap						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
														Homogeneous
0059245CPL	WK/1664-39	<1 %	-	-	-	-	-	3 %	-	<1 %	-	-	97 %	12/29/03
White drywall; wht. comp						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
Layer Content:	Comp 2% Chrysotile ; Other Layer : None Detected													Non Homogeneous
0059246CPL	WK/1664-40	<1 %	-	-	-	-	-	3 %	-	2 %	-	-	95 %	1/5/04.
White drywall ; wht. comp						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								NP
Layer Content:	Comp <1% Chrysotile ; Other Layer : None Detected													Non Homogeneous

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Project AOC312341

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059247CPL White duct tape	WK/1664-41	-	-	-	-	-	-	85 %	-	-	-	-	15 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059248CPL White duct tape	WK/1664-42	-	-	-	-	-	-	85 %	-	-	-	-	15 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059249CPL White duct tape	WK/1664-43	-	-	-	-	-	-	85 %	-	-	-	-	15 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059250CPL White duct connector	WK/1664-44	-	-	-	-	-	-	<1 %	-	80 %	-	-	20 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous
0059251CPL Brown paper wrap	WK/1664-45	-	-	-	-	-	-	85 %	-	-	-	-	15 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Non Homogeneous
0059252CPL Yellow TSI	WK/1664-46	-	-	-	-	-	-	<1 %	10 %	70 %	-	-	20 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Homogeneous

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Project AOC312341

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059253CPL	WK/1664-47	-	-	-	-	-	-	80 %	-	-	-	-	20 %	12/29/03
White cloth wrap						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	
0059254CPL	WK/1664-48	-	-	-	-	-	-	65 %	-	5 %	-	-	30 %	12/29/03
Brown paper wrap						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	
0059255CPL	WK/1664-49	-	-	-	-	-	-	<1 %	15 %	65 %	-	-	20 %	12/29/03
Yellow TSI						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	
0059256CPL	WK/1664-50	-	-	-	-	-	-	2 %	-	-	-	-	98 %	12/29/03
Black neoprene						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	
0059257CPL	WK/1664-51	-	-	-	-	-	-	6 %	-	-	-	-	94 %	12/29/03
Tar wrap						NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	
0059258CPL	WK/1664-52	-	-	-	-	-	-	8 %	-	-	-	-	92 %	12/29/03
Tar wrap						NFM: Qtz, Tar, Carb, Binder, Opaq, Misc. Part.								SSY
													Homogeneous	

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Stephen S. Yata, Geologist

Date Sunday, January 5, 2003

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Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results

Project AOC312341

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059259CPL Tan TSI	WK/1664-53	-	-	-	-	-	-	50 %	-	10 %	-	-	40 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Homogeneous	
0059260CPL Grey duct wrap	WK/1664-54	-	-	-	-	-	-	75 %	-	-	-	-	25 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Homogeneous	
0059261CPL Grey duct wrap	WK/1664-55	-	-	-	-	-	-	80 %	-	-	-	-	20 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Homogeneous	
0059262CPL Grey duct wrap	WK/1664-56	-	-	-	-	-	-	80 %	-	5 %	-	-	15 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Homogeneous	
0059263CPL Grey duct wrap	WK/1664-57	-	-	-	-	-	-	80 %	-	-	-	-	20 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Homogeneous	
0059264CPL Brown paper wrap	WK/1664-58	-	-	-	-	-	-	70 %	-	10 %	-	-	20 %	12/29/03 SSY
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.											Homogeneous	

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059265CPL Silver paper wrap	WK/1664-59	-	-	-	-	-	-	40 %	-	15 %	-	-	45 %	12/29/03 SSY
						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059266CPL Silver paper wrap	WK/1664-60	-	-	-	-	-	-	40 %	-	20 %	-	-	40 %	12/29/03 SSY
						NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.								Non Homogeneous
0059267CPL Yellow TSI	WK/1664-61	-	-	-	-	-	-	-	20 %	60 %	-	-	20 %	12/29/03 SSY
						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059268CPL Silver paper wrap	WK/1664-62	-	-	-	-	-	-	40 %	-	20 %	-	-	40 %	12/29/03 SSY
						NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.								Homogeneous
0059269CPL Silver paper wrap	WK/1664-63	-	-	-	-	-	-	40 %	-	20 %	-	-	40 %	12/29/03 SSY
						NFM: Qtz, Carb, Binder, Opaq, Misc. Part.								Homogeneous
0059270CPL Tan joint wrap	WK/1664-64	-	-	-	-	-	-	40 %	-	15 %	-	-	45 %	12/29/03 SSY
						NFM: Qtz, Carb, Binder, Opaq, Other, Misc. Part.								Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059271CPL	WK/1664-65	-	-	-	-	-	-	-	20 %	50 %	-	-	30 %	12/29/03
Yellow TSI						NFM: Qtz, Carb, Binder, Opaq,			Misc. Part.					SSY
														Homogeneous
0059272CPL	WK/1664-66	-	-	-	-	-	-	60 %	-	-	-	-	40 %	12/29/03
White joint wrap						NFM: Qtz, Carb, Binder, Opaq,			Other, Misc. Part.					SSY
														Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059273CPL Silver wrap	WK/1664-67	-	-	-	-	-	-	10 %	-	50 %	-	-	40 %	12/29/03 ES Homogeneous
						NFM: Opaq, Misc. Part.								
0059274CPL Yellow insulation	WK/1664-68	-	-	-	-	-	-	-	-	95 %	-	-	5 %	12/29/03 ES Homogeneous
						NFM: Opaq, Misc. Part.								
0059275CPL Yellow insulation ; silver wrap	WK/1664-69	-	-	-	-	-	-	10 %	-	80 %	-	-	10 %	12/29/03 ES Non Homogeneous
						NFM: Carb, Opaq, Misc. Part.								
0059276CPL Silver caulking	WK/1664-70	1 %	-	-	-	-	-	-	-	-	-	-	99 %	12/29/03 ES Homogeneous
						NFM: Carb, Binder, Opaq, Misc. Part.								
0059277CPL Grey paint	WK/1664-71	-	-	-	-	-	-	-	-	-	-	-	100 %	12/29/03 ES Homogeneous
						NFM: Carb, Binder, Opaq, Misc. Part.								
0059278CPL Silver caulking	WK/1664-72	1 %	-	-	-	-	-	-	-	-	-	-	99 %	12/29/03 ES Homogeneous
						NFM: Carb, Binder, Opaq, Misc. Part.								

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059279CPL	WK/1664-73	-	-	-	-	-	-	5 %	-	90 %	-	-	5 %	12/29/03
Yellow insulation ; silver wrap						NFM: Carb, Opaq, Misc. Part.								ES
													Homogeneous	
0059280CPL	WK/1664-74	-	-	-	-	-	-	-	-	-	-	-	100 %	12/29/03
Grey paint						NFM: Carb, Opaq, Misc. Part.								ES
													Homogeneous	
0059281CPL	WK/1664-75	-	-	-	-	-	-	5 %	-	80 %	-	-	15 %	12/29/03
White/yellow insulation ; silver wrap						NFM: Carb, Opaq, Misc. Part.								ES
													Homogeneous	
0059282CPL	WK/1664-76	1 %	-	-	-	-	-	-	-	-	-	-	99 %	12/29/03
Silver caulking						NFM: Carb, Binder, Opaq, Misc. Part.								ES
													Homogeneous	
0059283CPL	WK/1664-77	2 %	-	-	-	-	-	-	-	-	-	-	98 %	12/29/03
Silver caulking						NFM: Carb, Binder, Opaq, Misc. Part.								ES
													Homogeneous	
0059284CPL	WK/1664-78	-	-	-	-	-	-	10 %	-	80 %	-	-	10 %	12/29/03
Silver wrap ; yellow insulation						NFM: Carb, Opaq, Misc. Part.								ES
													Non Homogeneous	

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059285CPL	WK/1664-79	1 %	-	-	-	-	-	-	-	10 %	-	-	89 %	12/29/03
Silver caulking						NPM: Carb, Binder, Opaq, Misc. Part.								ES
														Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date Analyst
0059286CPL	WK/1664-80	2 %	-	-	-	-	-	-	-	-	-	-	98 %	12/29/03
Silver caulking						NFM: Carb, Binder, Opaq, Misc. Part.								ES
														Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059381CPL White caulking	WK/1664-81	-	-	-	-	-	-	-	-	-	-	-	100 % Homogeneous	12/29/03 NP
						NFM: , Misc. Part.								
0059382CPL White TSI	WK/1664-82	-	-	-	-	-	-	5 %	85 %	-	-	-	10 % Homogeneous	12/29/03 NP
						NFM: Binder, Misc. Part.								
0059383CPL White / pink TSI	WK/1664-83	-	-	-	-	-	-	5 %	85 %	-	-	-	10 % Homogeneous	12/29/03 NP
						NFM: Binder, Misc. Part.								
0059384CPL White / pink TSI	WK/1664-84	-	-	-	-	-	-	5 %	85 %	-	-	-	10 % Homogeneous	12/29/03 NP
						NFM: Binder, Misc. Part.								
0059385CPL White / pink TSI	WK/1664-85	-	-	-	-	-	-	-	85 %	-	-	-	15 % Homogeneous	12/29/03 NP
						NFM: Binder, Misc. Part.								
0059386CPL White / pink TSI	WK/1664-86	-	-	-	-	-	-	10 %	75 %	-	-	-	15 % Homogeneous	12/29/03 NP
						NFM: Binder, Misc. Part.								

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059287CPL White insulation	WK/1664-87	-	-	-	-	-	-	1 %	-	-	-	-	99 % NFM: Qtz, Carb, Opaq, Misc. Part.	12/29/03 ES Homogeneous
0059288CPL Grey insulation	WK/1664-88	-	-	-	-	-	-	10 %	15 %	-	-	-	75 % NFM: Qtz, Carb, Misc. Part.	12/29/03 ES Homogeneous
0059289CPL White insulation	WK/1664-89	-	-	-	-	-	-	-	-	-	10 %	-	90 % NFM: Carb, Misc. Part.	12/29/03 ES Homogeneous
0059290CPL Grey insulation	WK/1664-90	-	-	-	-	-	-	15 %	15 %	-	-	-	70 % NFM: Carb, Opaq, Misc. Part.	12/29/03 ES Homogeneous
0059291CPL White insulation	WK/1664-91	-	-	-	-	-	-	-	-	5 %	5 %	-	90 % NFM: Carb, Misc. Part.	12/29/03 ES Homogeneous
0059292CPL Silver wrap	WK/1664-92	-	-	-	-	-	-	-	-	40 %	-	-	60 % NFM: Opaq, Misc. Part.	12/29/03 ES Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059293CPL Yellow insulation	WK/1664-93	-	-	-	-	-	-	-	-	100 %	-	-	-	12/29/03 ES
		NFM: , Misc. Part.												Homogeneous
0059294CPL Tan fabric	WK/1664-94	-	-	-	-	-	-	99 %	-	-	-	-	1 %	12/29/03 ES
		NFM: Opaq, Misc. Part.												Homogeneous
0059295CPL Red insulation	WK/1664-95	-	-	-	-	-	-	-	-	100 %	-	-	-	12/29/03 ES
		NFM: , Misc. Part.												Homogeneous
0059296CPL Roofing shingle	WK/1664-96	-	-	-	-	-	-	-	-	15 %	-	-	85 %	12/29/03 ES
		NFM: Qtz, Tar, Opaq, Fine Grains, Misc. Part.												Homogeneous
0059297CPL Offwhite fabric tape; silver paint	WK/1664-97	-	-	-	-	-	-	90 %	-	-	-	-	10 %	12/29/03 ES
		NFM: Opaq, Misc. Part.												Homogeneous
0059298CPL Silver paper wrap ; yellow insulation	WK/1664-98	-	-	-	-	-	-	-	-	50 %	-	-	50 %	12/29/03 ES
		NFM: Qtz, Carb, Binder, Opaq, Misc. Part.												Non Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Mineral Wool	Nonasbestos: Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059299CPL Yellow insulation	WK/1664-99	-	-	-	-	-	-	-	-	100 %	-	-	-	12/29/03 ES
						NFM: , Misc. Part.								Homogeneous
0059300CPL Roofing material	WK/1664-100	-	-	-	-	-	-	-	-	20 %	-	-	80 %	12/29/03 ES
						NFM: Qtz, Tar, Carb, Binder, Opaq, Fine Grains, Misc. Part.								Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Nonasbestos: Cellulose	Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059376CPL Silver paper w/TSI	WK/1664-101	-	-	-	-	-	-	10 %	50 %	20 %	-	-	20 % NFM: , Misc. Part.	12/23/03 NP Homogeneous
0059377CPL Silver paper w/TSI	WK/1664-102	-	-	-	-	-	-	10 %	50 %	20 %	-	-	20 % NFM: , Misc. Part.	12/23/03 NP Homogeneous
0059378CPL Grey sealant	WK/1664-103	<1 %	-	-	-	-	-	-	-	-	-	-	99+ % NFM: Carb, Misc. Part.	12/23/03 NP Homogeneous
0059379CPL White duct connector	WK/1664-104	-	-	-	-	-	-	-	-	75 %	-	-	25 % NFM: , Misc. Part.	12/23/03 NP Homogeneous
0059380CPL Grey sealant	WK/1664-105	<1 %	-	-	-	-	-	-	-	-	-	-	99+ % NFM: Carb, Misc. Part.	12/23/03 NP Homogeneous

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Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059347CPL	WK/1664-106	<1 %	-	-	-	-	-	5 %	-	-	-	-	95 %	12/23/03
White joint comp ; wht. drywall						NFM: Carb, Gyp, Misc. Part.								NP
Layer Content: Joint Comp 2% Chrysotile ; Other Layer : None Detected													Non Homogeneous	
0059348CPL	WK/1664-107	<1 %	-	-	-	-	-	5 %	-	-	-	-	95 %	12/23/03
White joint comp ; wht. drywall						NFM: Carb, Gyp, Misc. Part.								NP
Layer Content: Joint Comp <1% Chrysotile ; Other Layer : None Detected													Non Homogeneous	
0059349CPL	WK/1664-108	<1 %	-	-	-	-	-	5 %	-	-	-	-	95 %	12/23/03
White joint comp ; wht. drywall						NFM: Carb, Gyp, Misc. Part.								NP
Layer Content: Joint Comp <1% Chrysotile ; Other Layer : None Detected													Non Homogeneous	
0059350CPL	WK/1664-109	2 %	-	-	-	-	-	5 %	50 %	-	-	-	43 %	12/23/03
Tan TSI						NFM: Carb, Gyp, Misc. Part.								NP
													Homogeneous	
0059351CPL	WK/1664-110	-	-	-	-	-	-	5 %	-	-	-	-	95 %	12/23/03
Brown foam w/fabric						NFM: , Misc. Part.								NP
													Homogeneous	
0059352CPL	WK/1664-111	2 %	-	-	-	-	-	5 %	50 %	-	-	-	43 %	12/23/03
Tan TSI						NFM: Carb, Gyp, Misc. Part.								NP
													Homogeneous	

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0059353CPL Tan foam w/fabric	WK/1664-112	-	-	-	-	-	-	10 %	-	-	-	-	90 %	12/23/03 NP Homogeneous
						NFM: Binder, Misc. Part.								
0059354CPL Black caulking	WK/1664-113	-	-	-	-	-	-	15 %	-	-	-	-	85 %	12/23/03 NP Homogeneous
						NFM: Tar, Carb, Misc. Part.								
0059355CPL Black caulking	WK/1664-114	-	-	-	-	-	-	10 %	-	-	-	-	90 %	12/23/03 NP Homogeneous
						NFM: Tar, Carb, Misc. Part.								
0059356CPL Pink fiberglass ; brn./silver fabric	WK/1664-115	-	-	-	-	-	-	5 %	80 %	-	-	-	15 %	12/23/03 NP Non Homogeneous
						NFM: Binder, Misc. Part.								
0059357CPL Grey duct patching	WK/1664-116	-	-	-	-	-	-	70 %	15 %	-	-	-	15 %	12/23/03 NP Homogeneous
						NFM: Carb, Misc. Part.								
0059358CPL Grey duct connector	WK/1664-117	-	-	-	-	-	-	-	-	50 %	-	-	50 %	12/23/03 NP Homogeneous
						NFM: Binder, Misc. Part.								

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Project AOC312347

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059359CPL	WK/1664-118	2 %	-	-	-	-	-	-	-	-	-	-	98 %	12/23/03
Grey sealant						NFM: Carb, Misc. Part.								NP
													Homogeneous	
0059360CPL	WK/1664-119	-	-	-	-	-	-	5 %	50 %	-	-	-	45 %	12/23/03
Silver paper wrap ; wht. yellow TSI						NFM: Binder, Misc. Part.								NP
													Non Homogeneous	
0059361CPL	WK/1664-120	-	-	-	-	-	-	-	-	85 %	-	-	15 %	12/23/03
Black duct connector						NFM: Binder, Misc. Part.								NP
													Homogeneous	
0059362CPL	WK/1664-121	<1 %	<1 %	-	-	-	-	5 %	50 %	-	-	-	45 %	12/23/03
Tan loose debris						NFM: Carb, Gyp, Misc. Part.								NP
													Homogeneous	
0059363CPL	WK/1664-122	-	-	-	-	-	-	10 %	70 %	-	-	-	20 %	12/23/03
Tan paper wrap ; yellow TSI						NFM: Binder, Misc. Part.								NP
													Non Homogeneous	
0059364CPL	WK/1664-123	<1 %	-	-	-	-	-	3 %	50 %	-	-	-	47 %	12/23/03
Tan loose debris						NFM: Gyp, Misc. Part.								NP
													Homogeneous	

Samples received on: Monday, December 22, 2003

Authorized Signature _____
Nonette Patron, Geologist
Date Monday, December 29, 2003

RJ Lee Group, Inc.
Bay Area Lab
530 McCormick Street
San Leandro, CA 94577
Phone (510) 567-0480
Fax (510) 567-0488

Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results

Project AOC312347

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059365CPL Tan TSI	WK/1664-124	2 %	-	-	-	-	-	10 %	50 %	-	-	-	38 %	12/23/03 NP
		NFM: Carb, Binder, Gyp, Misc. Part.											Homogeneous	
0059366CPL Tan TSI	WK/1664-125	2 %	-	-	-	-	-	10 %	50 %	-	-	-	38 %	12/23/03 NP
		NFM: Carb, Binder, Gyp, Misc. Part.											Homogeneous	

Samples received on: Monday, December 22, 2003

Authorized Signature _____
Nonette Patron, Geologist
Date Monday, December 29, 2003

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Bay Area Lab
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San Leandro, CA 94577
Phone (510) 567-0480
Fax (510) 567-0488

Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results

Project AOC312348

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0059367CPL White TSI	WK/1664-126	15 %	25 %	-	-	-	-	-	-	-	-	-	60 %	12/23/03 NP
						NFM: Carb, Gyp, Misc. Part.								Homogeneous
0059368CPL Grey patching	WK/1664-127	10 %	-	-	-	-	-	-	-	5 %	-	-	85 %	12/23/03 NP
						NFM: Carb, Misc. Part.								Homogeneous
0059369CPL Black /silver coating	WK/1664-128	-	-	-	-	-	-	-	-	15 %	-	-	85 %	12/23/03 NP
						NFM: Tar, Carb, Misc. Part.								Homogeneous
0059370CPL Black/silver coating	WK/1664-129	-	-	-	-	-	-	-	-	15 %	-	-	85 %	12/23/03 NP
						NFM: Tar, Carb, Misc. Part.								Non Homogeneous
0059371CPL Silver coating	WK/1664-130	-	-	-	-	-	-	15 %	-	-	-	-	85 %	12/23/03 NP
						NFM: Tar, Carb, Misc. Part.								Homogeneous
0059372CPL White loose debris	WK/1664-131	-	-	-	-	-	-	15 %	5 %	-	-	-	80 %	12/23/03 NP
						NFM: Carb, Gyp, Misc. Part.								Homogeneous

Samples received on: Monday, December 22, 2003

Authorized Signature _____

Nonette Patron, Geologist

Date Monday, December 29, 2003

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Bay Area Lab

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San Leandro, CA 94577

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Fax (510) 567-0488

Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results

Project AOC312348

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date Analyst
0059373CPL	WK/1664-132	10 %	-	-	-	-	-	-	-	-	-	-	90 %	12/23/03
Tan patching						NFM: Carb, Misc. Part.								NP
													Homogeneous	
0059374CPL	WK/1664-133	-	-	-	-	-	-	25 %	-	-	-	-	75 %	12/23/03
White joint taping						NFM: Carb, Opaq, Misc. Part.								NP
													Homogeneous	
0059375CPL	WK/1664-134	-	-	-	-	-	-	10 %	-	-	-	-	90 %	12/23/03
Black mastic						NFM: Tar, Carb, Misc. Part.								NP
													Homogeneous	

Samples received on: Monday, December 22, 2003

Authorized Signature _____

Nonette Patron, Geologist

Date Monday, December 29, 2003

RJ Lee Group, Inc.
Bay Area Lab

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San Leandro, CA 94577

Phone (510) 567-0480
Fax (510) 567-0488

Test Report - Winzler & Kelly

Polarized Light Microscopy Analysis Results

Project AOC401318

Sample Number / Sample Appearance	Client Sample Number	Asbestos: Chrysotile	Amosite	Crocidolite	Anthophyllite	Tremolite	Actinolite	Cellulose	Nonasbestos: Mineral Wool	Fibrous Glass	Synthetic Fibers	Other Fibers	NonFibrous Material	Run Date / Analyst
0060755CPL White TSI	WK/1664-135	10 %	-	-	-	-	-	15 %	25 %	-	-	-	50 %	1/28/04 NP
						NFM: Carb, Gyp, Misc. Part.							Homogeneous	
0060756CPL White TSI	WK/1664-136	10 %	25 %	-	-	-	-	-	-	-	-	-	65 %	1/28/04 NP
						NFM: Carb, Gyp, Misc. Part.							Homogeneous	

Samples received on: Wednesday, January 28, 2004

Authorized Signature _____

Nonette Patron, Geologist

Date Wednesday, January 28, 2004

RJ Lee Group, Inc.
Bay Area Lab

530 McCormick Street
San Leandro, CA 94577

Phone (510) 567-0480
Fax (510) 567-0488

Forensic Analytical

Amended Report

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Winzler & Kelly
Clay Guzi
Consulting & Engineering
633 Third St.
Eureka, CA 95501

Client ID: 1883
Report Number: B057285
Date Received: 01/09/04
Date Analyzed: 01/12/04
Date Printed: 01/12/04
First Reported: 01/09/04

Job ID / Site: 03166404.030 - HV-5/Gym

FASI Job ID: 1883-69

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent Laye
WK11664-17-D	10292181						
Layer: Off-White Woven Material			ND				
Total Composite Values of Fibrous Components: **Asbestos:(ND)**							
Cellulose (95%)							
Comment: Collected on 01/07/2004							
WK11664-18-D	10292182						
Layer: Yellow Fibrous Material			ND				
Total Composite Values of Fibrous Components: **Asbestos:(ND)**							
Cellulose (Trace%) Fibrous Glass (99%)							
Comment: Collected on 01/07/2004							
WK11664-19-D	10292183						
Layer: Off-White Woven Material			ND				
Layer: Yellow Fibrous Material			ND				
Total Composite Values of Fibrous Components: **Asbestos:(ND)**							
Cellulose (90%) Fibrous Glass (10%)							
Comment: Collected on 01/07/2004							
WK11664-20-D	10292184						
Layer: Yellow Fibrous Material			ND				
Total Composite Values of Fibrous Components: **Asbestos:(ND)**							
Cellulose (Trace%) Fibrous Glass (99%)							
Comment: Collected on 01/07/2004							
WK11664-21-D	10292185						
Layer: Black Non-Fibrous Material			ND				
Layer: Off-White Fibrous Material			ND				
Layer: Yellow Adhesive		Chrysotile	7 %				
Total Composite Values of Fibrous Components: **Asbestos:(Trace)**							
Cellulose (Trace%) Fibrous Glass (80%)							
Comment: Collected on 01/07/2004							

Forensic Analytical

Amended Repor

Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Winzler & Kelly
Clay Guzi
Consulting & Engineering
633 Third St.
Eureka, CA 95501

Client ID: 1883
Report Number: B057285
Date Received: 01/09/04
Date Analyzed: 01/12/04
Date Printed: 01/12/04
First Reported: 01/09/04

Job ID / Site: 03166404.030 - HV-5/Gym

FASI Job ID: 1883-69

Sample Number	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent Layer
WK11664-22-D	10292186						
Layer: Black Non-Fibrous Material			**ND**				
Layer: Off-White Fibrous Material			**ND**				
Layer: Yellow Adhesive		Chrysotile	7 %				

Total Composite Values of Fibrous Components: **Asbestos:(Trace)**
Cellulose (Trace%) Fibrous Glass (80%)
Comment: Collected on 01/07/2004

James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Fax Results to Clay Guzi (707) 444-8330

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fax 707.444.8330
www.w-and-k.com
eka@w-and-k.com

Phone: (707) 443-8326
Date: 12-11-03
Circle the Method and Turnaround Time
(3 day) Hr/12-hr/24-hr/48-hr/Ext
Results Needed: 12-26-03
(PLM: Standard) Point Count
Gravimetry Prep

CONTACT: Clay Guzi
Job # 03166404.030
Site Equipment Rm Gym

BULK SAMPLE COLLECTION

AHC312336

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK1664-1	TSI - 3"ø fiberglass, 3"ø Horiz	Helmet + Film Storage Rm, northeast corner off radiator	TSI	ND	F

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Mishe Schwarz Date: 12-11-03 Time:

Relinquished by: CG
Date/Time: 12-12-03 07:45

Received by: Fed-Ex
Date/Time: 12/12-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by:
Date/Time: 12/22 @ 10:00
Sealed Condition (circle one) YES /No

Fax Results to Clay Guzi (707) 444-8500

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fax 707.444.8330
www.w-and-k.com
eka@w-and-k.com

	Phone: (707) 443-8326	Date: 12-11-03
	Circle the Method and Turnaround Time	Results Needed:
	(3 day) Hr/12-hr/24-hr/48-hr/Ext	12-26-03
	(PLM: Standard) Point Count	Gravimetry Prep
CONTACT: Clay Guzi	Job # 03164 04.030	Site AV-4 - Gym

AVC312338

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
wp1164-2	Duct Fabric, white	AV-4 Mechanical Rm., SouthSide	MM	ND	F
" 3	"TSI" "Spun-glass" on ducting under fabric	" "	TSI	ND	F
" 4	Duct Fabric, white	" "	MM	ND	F
" 5	"TSI" "Spun-glass" on ducting under fabric	" "	TSI	ND	F
" 6	Duct FAbric, White	" "	MM	ND	F
" 7	"TSI" "Spunglass" on ducting under fabric	" "	TSI	ND	F
" 8	Duct connector, black	" "	MM	ND	F
" 9	" "	" "Southside"	MM	ND	F
" 10	Fabric over TSI, White 3" Ø Horiz	" North "	MM	ND	F
" 11	TSI-"spun-glass", 3" Ø Horiz	" "	TSI	ND	F
" 12	Fabric over TSI, 5" Ø Horiz	" "	MM	ND	F
" 13	TSI-"Spun-glass", 5" Ø Horiz	" "	TSI	ND	F
" 14	TSI-"Spun-glass, 5" Ø Elbow	" "	TSI	ND	F
" 15	Fabric over TSI, 4" Ø Vert.	" "	TSI	ND	F
" 16	TSI-"spunglass", 4" Ø Vert.	" "	TSI	ND	F

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Misha Schwarz	Date: 12-11-03 Time:
Relinquished by: CG Date/Time: 12-12-03 07:45	Received by: FedEx Date/Time: 12-12-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: 12/22 @ 10:00 Date/Time: Sealed Condition (circle one) YES /No

Fax Results to Clay Guzi (707) 444-8330

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eka@w-and-k.com

	Phone: (707) 443-8326	Date: 12-11-03
	Circle the Method and Turnaround Time: 3-day Hr/12-hr/24-hr/48-hr/Ext	Results Needed: 12-26-03
	PLM: Standard Point Count	Gravimetry Prep
CONTACT: Clay Guzi	Job # 03166404.030	Site HV-5/Gym

AQC312339

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WP1664-17	Duct Fabric, White	HV-5, Mechanical Rm. - North Side	MM	ND	F
" 18	TSI-"spun-glass" on ducting under fabric	" "	TSI	ND	F
" 19	Duct Fabric, White	" "	MM	ND	F
" 20	TSI-"spun-glass" on ducting under fabric	" "	TSI	ND	F
" 21	Duct Connector, Black	" "	MM	ND	F
" 22	" "	" "	MM	ND	F
" 23	White Fabric over TSI, 3½" ⌀ Vert.	" "	MM	ND	F
" 24	TSI-spun-glass, 3½" ⌀ Vert. under fabric	" "	TSI	ND	F
" 25	White Fabric over TSI, 5" ⌀ Horiz	" South Side	MM	ND	F
" 26	TSI-"spun glass" 5" ⌀ Horiz. under fabric				
		—	—		

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Misha Schwarz. Date: 12-11-03 Time:	
Relinquished by: Clay Guzi Date/Time: 12-12-03 07:45	Received by: Fed-Ex Date/Time: 12-12-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: [illegible] 12/22 @ 9:[illegible] Date/Time: Sealed Condition (circle one) YES /No

Fax Results to Clay Guzi (707) 444-8330

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fax 707.444.8330
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eka@w-and-k.com

Phone: (707) 443-8326 | Date: 12-11-03

Circle the Method and Turnaround Time: (3-day) Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-18-03

PLM: Standard/Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 03166407.030 | Site Automotive Shop

AAC 31240

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
03166407-27	Covering on top of heat shield	Auto - Garage #109 South Side	MM	ND	F
" 28	"	"	MM	ND	F
			—	—	

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Misha Schwarz Date: 12-11-03 Time:

Relinquished by: Clay Guzi
Date/Time: 12-12-03 07:45

Received by: Fed-Ex
Date/Time: 12-12-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by: [illegible] 12/22 @ 11:20
Date/Time:
Sealed Condition (circle one) YES /No

Fax Results to Clay Guzi (707) 444-8330

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eka@w-and-k.com

Phone: (707) 443-8326 | Date: 12-16-03

Circle the Method and Turnaround Time: 3 day / Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03

PLM: Standard/Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 03166404.030 | Site Creative Arts

NVC 3/2341

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK1664-29	I.C. /SR	HV-4 Wall, Southeast corner	MM	ND	F
30	" "	" Southwest area	MM	ND	F
31	Duct taping, white	HV-4, Large Ducting West side	MM	ND	NF
32	" "	" "	MM	ND	NF
33	"	HV-4 " East side	MM	ND	NF
34	"	" West side	MM	ND	NF
35	Duct connector, white cloth wrap over	" North side	MM	ND	NF
36	TSI, 2.5" Ø Hasiz	" South side	MM	ND	F
37	Paper wrap TSI - spun glass 2.5" Ø Hasiz	" "	TSI	ND	F
38	Paper wrap on TSI 2.5" Ø Hasiz	" "	MM	ND	F
39	I.C. /SR	HV-5 Wall, Northwest Side	MM	ND	F
40	" "	" Northeast "	MM	ND	F
41	Duct taping, white	HV-5 Large Ducting North side	MM	ND	NF
42	" "	" "	MM	ND	NF
43	" "	" "	MM	ND	NF

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Misha Schwarz | Date: 12-16-03 | Time:

Relinquished by: [signature] Date/Time: 12-19-03 08:15

Received by: Fed-Ex Date/Time: 12-19-03 Sealed Condition (circle one) YES / NO

Relinquished by: Date/Time:

Received by: [signature] Date/Time: 12/22 @ 10:00 Sealed Condition (circle one) YES / No

Fax Results to Clay Guzi (707) 444-8330

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Phone: (707) 443-8326 | Date: 12-16-03

Circle the Method and Turnaround Time: 3-day Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03

PLM: Standard/Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 03166404.030 | Site Creative Arts

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
wk/1664-44	Duct connector, white	HV-5 large Ducting South Side	MM	ND	NF
45	Paper wrap over TSI 2.5" Ø Vert.	HV-5, North Side	MM	ND	F
46	TSI - spun-glass, 2.5" Ø Vert	" "	TSI	ND	F
47	Cloth wrap over TSI 2.5" Ø Horiz.	" "	MM	ND	F
48	Paper Wrap over TSI 2.5" Ø Vert.	" "	MM	ND	F
49	TSI - spun-glass, 2.5" Ø Vert.	" "	TSI	ND	F
50	TSI, neoprene material 2.75" Ø Vert.	Exterior, Roof Northwest Wing	TSI	D	NF
51	Tar/Cloth Wrap on to HV Ahmit	Pipe connecting " "	MM	ND	NF
52	" "	"	MM	ND	NF
53	TSI spun glass, 3" Ø Vert. w/ metal jacket	"	TSI	ND	F
54	Duct taping, white w/ green paint	"	MM	ND	NF
55	" "	"	MM	ND	NF
56	" "	"	MM	ND	NF
57	" "	"	MM	ND	NF
58	Silver Paper & Spun-glass on ducting wrap	Attic off Northwest Exterior, Roof of Wing	MM/TSI	ND	F

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Misha Schwarz Date: 12-16-03 Time:

Relinquished by: Cg Zi
Date/Time: 12-19-03 08:15

Received by: Fed-Ex
Date/Time: 12-19-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by:
Date/Time: 12/22 @ 10:00 A.
Sealed Condition (circle one) YES /No

Fax Results to Clay Guzi (707) 444-8330

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www.w-and-k.com
eka@w-and-k.com

Phone: (707) 443-8326 | Date: 12-16-03

Circle the Method and Turnaround Time: (3 day) Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03

PLM: Standard/Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 031664.04.030 | Site Creative Arts

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
59	Silver Paper Wrap a Spun glass on Ducting over 2.5" Ø Horiz	Roof attic northwest Exterior wing	MM/TSI	ND	F
60	Silver Paper Wrap over 2.5" Ø Horiz	" "	MM	ND	F
61	TSI, spun-glass 2.5" Ø Horiz	" "	TSI	ND	F
62	Silver Paper Wrap a Spun-glass on Ducting	" Roof attic off Corridor outside HV-5	MM/TSI	ND	F
63	" "	" "	MM/TSI	ND	F
64	Joint Wrap Paper, Silver 4" Ø Horiz	" "	MM	ND	F
65	TSI, Spun-glass 4" Ø Horiz	" "	TSI	ND	F
66	Joint Wrap Paper, Silver on 5" Ø Horiz	" "	MM	ND	F
		—	—		

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Misha Schwarz Date: 12-18-03 Time:

Relinquished by: CG Date/Time: 12-19-03 08:15

Received by: Fed-Ex
Date/Time: 12-19-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by:
Date/Time: 12/22 @ 10:00 AM
Sealed Condition (circle one) YES /No

Fax Results to Clay Guzi (707) 444-8330

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Eureka, California 95501
707.443.8326
fax 707.444.8330
www.w-and-k.com
eka@w-and-k.com

Phone: (707) 443-8326 | Date: 12-16-03
Circle the Method and Turnaround Time: (3-day) Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03
(PLM: Standard) Point Count | Gravimetry Prep
CONTACT: Clay Guzi | Job # 03166404.030 | Site Phys. Sci.

AOC 3/2.3/4/2

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK/1664-67	Silver Paper wrap and TSI-spun glass on 3" Ø Horiz.	Exterior, Roof - Northwest Wing	MM/TSI	ND	F
" 68	TSI-spun-glass 3.5" Ø Horiz	" "	TSI	ND	F
" 69	Silver paper wrap on TSI-spun-glass 5" Ø Horiz	" "	MM/TSI	ND	F
" 70	Seam Caulking, Gray on 3" 3.5" Ø TSI	" "	MM	D	NF
" 71	Paint, Lt. Gray on Ducting	" "	MM	ND	F
" 72	Seam Caulking Gray	Exterior Roof-Southern Wing	MM	ND	NF
73	Silver paper wrap TSI-spun glass 3" Ø Horiz	" "	MM/TSI	ND	F
74	Paint, Lt. Gray on Ducting	Exterior Roof-Northeast Wing	MM	ND	F
75	Silver paper wrap TSI spun-glass 3.5" Ø Horiz. w/ plastic jacket	" "	MM/TSI	ND	F
76	End caulking gray on 3.5" Ø Horiz. w/ metal jacket	" "	MM	ND	NF
77	Seam caulking, " "	" "	MM	ND	NF
78	Silver Paper Wrap TSI-spun-glass 4" Ø Horiz w/ metal jacket	Exterior Roof, Central Elevated section	MM/TSI	ND	F
79	End Sealant Gray on TSI, 4" Ø Horiz w/ metal jacket	" "	MM	ND	NF

Damage Categories: Not Damaged = ND; Damaged = DG; Significantly Damaged = SD; Potential Damage = PD; Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI; Surfacing Material = SM; Miscellaneous Material = MM

Sampled by: Misha Schwarz Date: 12-16-03 Time:

Relinquished by: CG Zi
Date/Time: 12-19-03 08:15

Received by: Fed-Ex
Date/Time: 12-19-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by: [illegible] 12/22 @ 10:00A
Date/Time:
Sealed Condition (circle one) YES /No

— Fax Results to Clay Guzi (707) 444-8330

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fax 707.444.8330
www.w-and-k.com
eka@w-and-k.com

Phone: (707) 443-8326 | Date: 12-16-03

Circle the Method and Turnaround Time: (3-day) Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03

PLM: Standard/Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 031664.04.030 | Site Life Sci.

AOC312343

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK11664-80	Fed Sealant, Grey on TSI Horiz.	Exterior, Roof North Side	MM	NO	NF

Damage Categories: Not Damaged = ND; Damaged = DG; Significantly Damaged = SD; Potential Damage = PD; Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI; Surfacing Material = SM; Miscellaneous Material = MM

Sampled by: Misha Schwarz Date: 12-16-03 Time:

Relinquished by: Clay Guzi
Date/Time: 12-19-03 08:15

Received by: Fed-Ex
Date/Time: 12-19-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by: [illegible] 12/22 @ 10:50
Date/Time:
Sealed Condition (circle one) YES /No

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Phone: (707) 443-8326 | Date: 12-17-03

Circle the Method and Turnaround Time
(3-day) Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03

(PLM: Standard)/Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 03166404.030 | Site HU-8 Gym

AQC3123444

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK11664-S1	Caulking, White	large ducting off HVAC unit, east side	MM	D	WF
82	White cloth wrap & TSI-spun glass, 2 3/4" Ø Vert.	Piping off HVAC unit, south side	MM/TSI	ND	F
83	Silver Paper Wrap & TSI-spun-glass, 3" Ø Vert.	" "	MM/TSI	ND	F
84	White Cloth Wrap & TSI spun-glass, 3 3/4" Ø Vert	Piping in northwest corner of room	MM/TSI	ND	F
85	" " Horiz	" "	MM/TSI	ND	F
86	White corrugated paper wrap & TSI, 3" Ø Vert.	" "	MM/TSI	ND	F

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Clay Guzi | Date: 12-17-03 | Time:

Relinquished by: [signature] Date/Time: 12-19-03 08:15

Received by: Fed-Ex Date/Time: 12-19-03
Sealed Condition (circle one) YES / NO

Relinquished by: Date/Time:

Received by: [signature] Date/Time: 12/22 @ 10:00
Sealed Condition (circle one) YES /No

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Phone: (707) 443-8326 | Date: 12-17-03

Circle the Method and Turnaround Time: (3-day) Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03

PLM: Standard/Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 03166404.030 | Site Pool Filter- Gym

AOC312345

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK1664-87	TSI debris, white	Floor, North of access hatch	TSI	SD	F
88	Molded Joints b/t TSI- "Elbow"	Directly above access hatch	MM	D	F
89	TSI, White 3½" Ø Horiz.	South of access hatch	TSI	D	F
90	Molded Elbow on 3½" Ø Horiz.	" "	MM	D	F
91	TSI, White 3½ Ø Vert.	" "	TSI	D	F
92	Silver Paper Wrap over TSI 4" Ø Vert.	North "	MM	D	F
93	TSI - spun-glass, 4" Ø Vert.	" "	TSI	D	F
94	Duct taping, white	Central Room, East of access door	MM	ND	NF
95	TSI - spun-glass, pink	" " on large ducting covered with virginia	TSI	D	F
96	Composite shingles - layed over Flooring	" " below round ducting East side of room	MM	ND	NF
97	Duct taping, white	Eastern Room, on round ducting	MM	ND	NF
98	Silver Paper wrap over TSI. 4" Ø Horiz	Central Room, north side	MM	D	F
99	TSI - spun-glass, 4" Ø Horiz	" "	TSI	D	F
100	Composite shingles layed over flooring	" " just East of access door	MM	ND	NF

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Clay Guzi | Date: 12-17-03 | Time:

Relinquished by: Clay Guzi
Date/Time: 12-19-03 08:15

Received by: Fed-Ex
Date/Time: 12-19-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by:
Date/Time: 12/22 @ 10:00 AM
Sealed Condition (circle one) YES / No

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Phone: (707) 443-8326

Date: 12-17-03

Circle the Method and Turnaround Time
3 day Hr/12-hr/24-hr/48-hr/Ext

Results Needed: 12-26-03

PLM: Standard/Point Count

Gravimetry Prep

CONTACT: Clay Guzi

Job # 031664 04.030

Site Old Library

AOC312346

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
031664-101	Silver paper wrap & TSI - spun glass 5" Ø Horiz w/ metal jacket	Exterior, roof west side	MM/TSI	D	F
102	" "	" north "	MM/TSI	D	F
103	Elbow sealant, grey on TSI, 4" Ø Elbow	" "	MM	ND	NF
104	Duct connector, painted white	" "	MM	ND	NF
105	End sealant, gray on TSI 3" Ø Horiz	" east "	MM	ND	NF

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Clay Guzi Date: 12-17-03 Time:

Relinquished by: [signature]
Date/Time: 12-19-03 08:15

Received by: Fed-Ex
Date/Time: 12-19-03
Sealed Condition (circle one) YES / NO

Relinquished by:
Date/Time:

Received by: [signature] 12/22 @ 10:00 A
Date/Time:
Sealed Condition (circle one) YES /No

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	Phone: (707) 443-8326	Date: 12-17-03
	Circle the Method and Turnaround Time: 3 day Hr/12-hr/24-hr/48-hr/Ext	Results Needed: 12-26-03
	PLM: Standard/Point Count	Gravimetry Prep
CONTACT: Clay Guzi	Job # 03166404.030	Site Forum

AOC312348 AOC312347

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WM1664-106	J.C./SR	Interior, Forum triangular room at southeast corner FM 103	MM	ND	F
107	"	" "	MM	ND	F
108	"	" "	MM	ND	F
109	White fabric wrap @ TSI, 3" Ø Elbow	Interior, Forum Theatre backstage piping off radiator	TSI	ND	F
110	White fabric wrap @ TSI spun-glass 3" Ø Horiz.	" "	TSI	ND	F
111	White fabric wrap @ TSI, 3" Ø Elbow	" "	TSI	D	F
112	White fabric @ TSI-spun-glass 3" Ø Vertical	" "	TSI	ND	F
113	Caulking, Black on Ducting	Exterior, Easternmost Roof West side	MM	ND	NF
114	"	" East side	MM	ND	NF
115	Tan fabric cover @ TSI-spun glass 3" Ø Horiz.	" -adhic-N.E. corner	MM/TSI	D	F
116	Duct Patching, White	" -adhic- under elevator roof	MM	ND	NF
117	Duct Connector, Grey	Exterior, Westernmost Roof East Side	MM	ND	NF
118	End Sealant, Grey	Exterior, Westernmost Roof above access hatch	MM	ND	NF
119	Silver paper wrap @ TSI-spun glass, 3½" Ø base of vent	" "	MM/TSI	ND	F
120	Duct Connector, Grey	Exterior, Westernmost Roof west of access hatch	MM	ND	NF

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Clay Guzi Date: 12-17-03 Time:	
Relinquished by: Date/Time: 12-19-03 88:15	Received by: Fed-Ex Date/Time: 12-19-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: 12/22 @ 10:00 Date/Time: Sealed Condition (circle one) YES /No

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	Phone: (707) 443-8326	Date: 12-17-03
	Circle the Method and Turnaround Time	Results Needed:
	(3-day) Hr/12-hr/24-hr/48-hr/Ext	12-26-03
	(PLM: Standard/Point Count)	Gravimetry Prep
CONTACT: Clay Guzi	Job # 031664 04.030	Site Forum

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK/1664-121	Loose Debris	Exterior, westernmost roof attic west of access hatch on north side	MM	SD	F
122	Silver paper wrap & TSI-spun-glass 5"Ø Horiz/vert joint	Exterior, westernmost roof south side	MM/TSI	ND	F
123	Loose Debris	Exterior, westernmost roof attic on south side	MM	SD	F
124	White fabric cover of TSI, 2.5"Ø Elbow	"	MM/TSI	ND	F
125	" 3.75"Ø	"	MM/TSI	ND	F

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Clay Guzi Date: 12-17-03 Time:	
Relinquished by: Cg Guzi Date/Time: 12-19-03 08:15	Received by: Fed-Ex Date/Time: 12-19-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: Date/Time: 12/22 @ 10:00 AM Sealed Condition (circle one) YES /No

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Circle the Method and Turnaround Time: (3 day) Hr/12-hr/24-hr/48-hr/Ext | Results Needed: 12-26-03

(PLM: Standard) Point Count | Gravimetry Prep

CONTACT: Clay Guzi | Job # 031664 04.030 | Site Applied Tech.

A0C312348

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK/1664-126	TSI - 3" Ø horiz. ~~Into~~	Attic space in kitchen area off ~~cor~~ community & economic ion	TSI	ND	F
127	White Patching on forced ducting off HVAC unit	" Small office "	MM	ND	NF
128	Silver Coating	Exterior, roof east of access hatch on 5" Ø Horiz.	MM	D	NF
129	Silver Coating w/ fibrous backing	" 1" Ø Horiz. "	MM	D	NF
130	Silver Coating	" 3½" Ø Horiz. "	MM	D	NF
131	Loose Debris - white	Exterior roof west wing, northeast attic	MM	SD	F
132	White Patching on Ducting	" "	MM	ND	NF
133	Joint Taping, White - Painted Green	Exterior roof central portion north side	MM	ND	NF
134	Mastic, Black	Exterior roof east wing, north side on 1" Ø Horiz.	MM	ND	NF

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscelianeous Material = MM

Sampled by: Clay Guzi Date: 12-18-03 Time:

Relinquished by: [signature] Date/Time: 12-19-03 08:15	Received by: Fed-Ex Date/Time: 12-19-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: [signature] Date/Time: 12/22 @ 10:00 Sealed Condition (circle one) YES / No

Fax Results to Clay Guzi (707) 444-8550

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fax 707.444.8330
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eka@w-and-k.com

	Phone: (707) 443-8326	Date: 1-26-03
	Circle the Method and Turnaround Time 8-Hr/12-hr/24-hr/48-hr/Ext	Results Needed: 1-28-03
	PLM: Standard/Point Count	Gravimetry Prep
CONTACT: Clay Guzi	Job # 03166404.030	Site Applied Tech./ Arco Sleep

BULK SAMPLE COLLECTION AOC401318

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
WK11664-135	TSI, 4" Ø Horiz. Joint b/f green fiberglass & Loose debris beneath	Exterior, roof, east wing northwest attic	TSI	D	F
136	TSI, 2.5" Ø Horiz.	Exterior, roof, west wing attic on east side	TSI	D	F
			—	—	

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Clay Guzi Date: 1-26-03 Time:	
Relinquished by: Clay Guzi Date/Time: 1-26-03 15:00	Received by: Fed Date/Time: 1-27-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: Date/Time: 1/28/04 @ Sealed Condition (circle one) YES /No

APPENDIX B
Sampling Location Maps

1005-07

Fax Results to Clay Guzi (707) 444-8330

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	Phone: (707) 443-8326	Date: 1-7-03
	Circle the Method and Turnaround Time: 1-hr/4-hr/8-hr/12-hr/24-hr/48-hr/Ext	Results Needed: 1-8-03
	PLM: Standard/Point Count	Gravimetry Prep
CONTACT: Clay Guzi	Job # 03166404.030	Site HV-5/Gym

BULK SAMPLE COLLECTION

Sample Number	Sample Description	Location	Material Type	Material Condition	Friable
wx1664-17-0	Duct fabric, white	HV-5 Mech. Rm., north side	MM	ND	F
18-0	TSI - spun glass on ducting under fabric	" "	TSI	ND	F
19-0	Duct fabric, white	" "	MM	ND	F
20-0	TSI - spun glass on ducting under fabric	" "	TSI	ND	F
21-0	Mastic, yellow & Duct connector, black	" "	MM	ND	F
22-0	" "	" "	MM	ND	F

Damage Categories: Not Damaged = ND
Damaged = DG
Significantly Damaged = SD
Potential Damage = PD
Potentially Significant = PSD

Material Type: Thermal System Insulation = TSI
Surfacing Material = SM
Miscellaneous Material = MM

Sampled by: Clay Guzi Date: 1-7-03 Time:	
Relinquished by: Date/Time: 1-8-03	Received by: Fed-Ex Date/Time: 1-8-03 Sealed Condition (circle one) YES / NO
Relinquished by: Date/Time:	Received by: E... 1/9/04 10:45 am Date/Time: Sealed Condition (circle one) YES /No

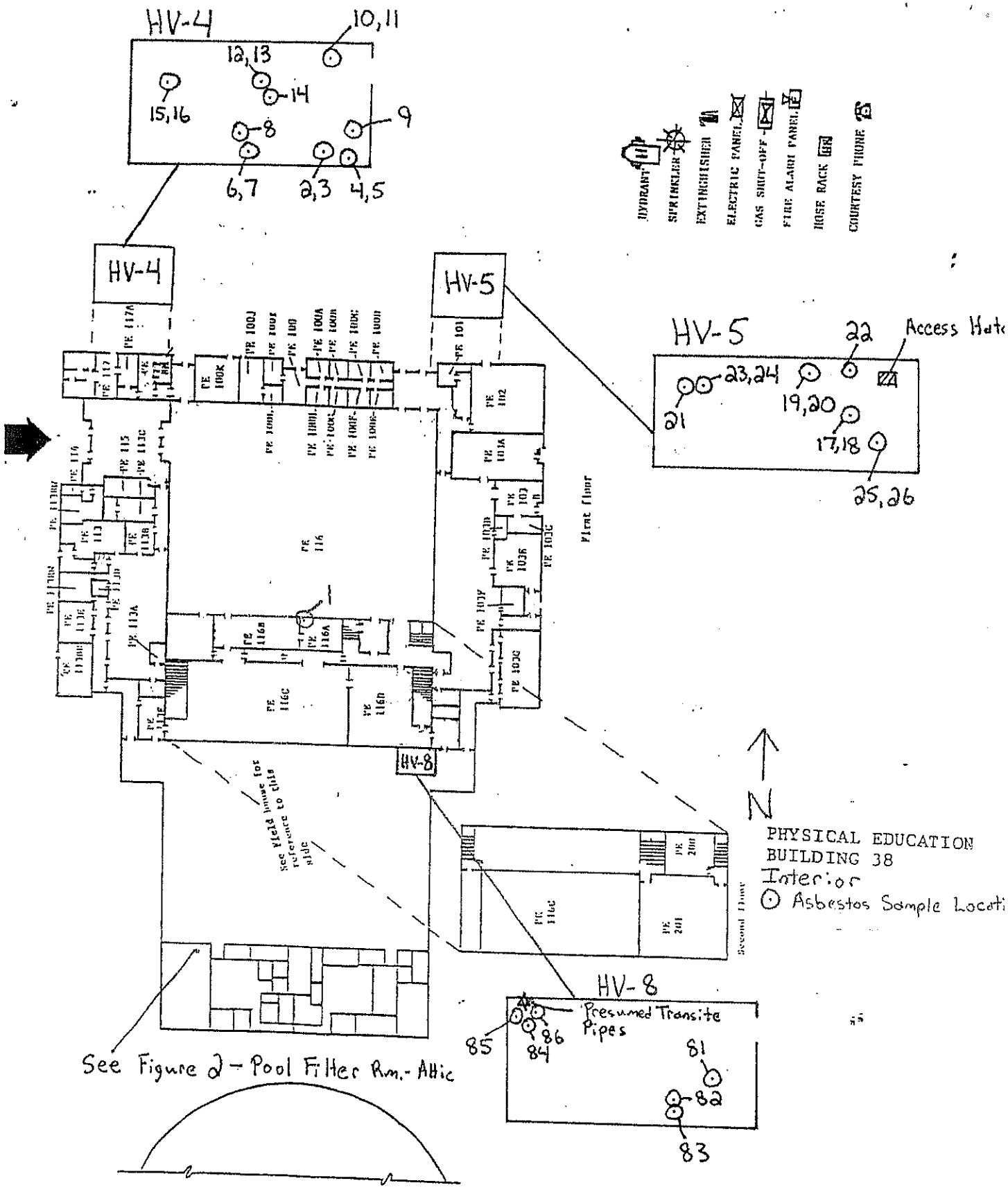
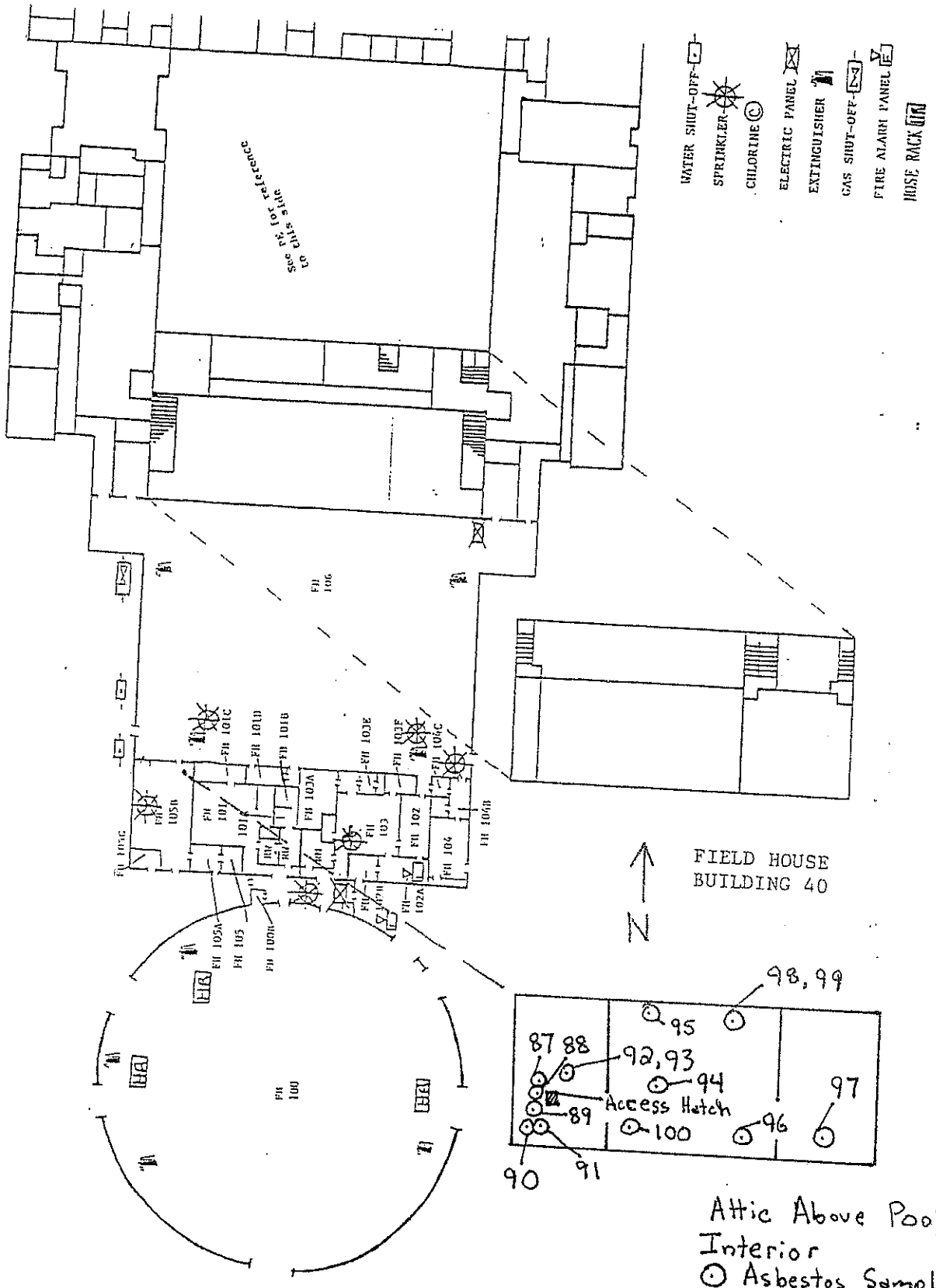

HV-4
10,11
12,13
14
15,16
9
8
6,7
2,3
4,5
HYDRANT
SPRINKLER
EXTINGUISHER
ELECTRIC PANEL
GAS SHUT-OFF
FIRE ALARM PANEL
HOSE RACK
COURTESY PHONE
HV-4
HV-5
HV-5
22
Access Hatc
23,24
21
19,20
17,18
25,26
First Floor
HV-8
See Field house for reference to this area
See Figure 2 - Pool Filter Rm. - Attic
HV-8
Presumed Transite Pipes
85
86
84
81
82
83
N
PHYSICAL EDUCATION
BUILDING 38
Interior
Asbestos Sample Locati

Figure 1



Attic Above Pool Fiter Rm.
Interior
⊙ Asbestos Sample Locations

Figure 2

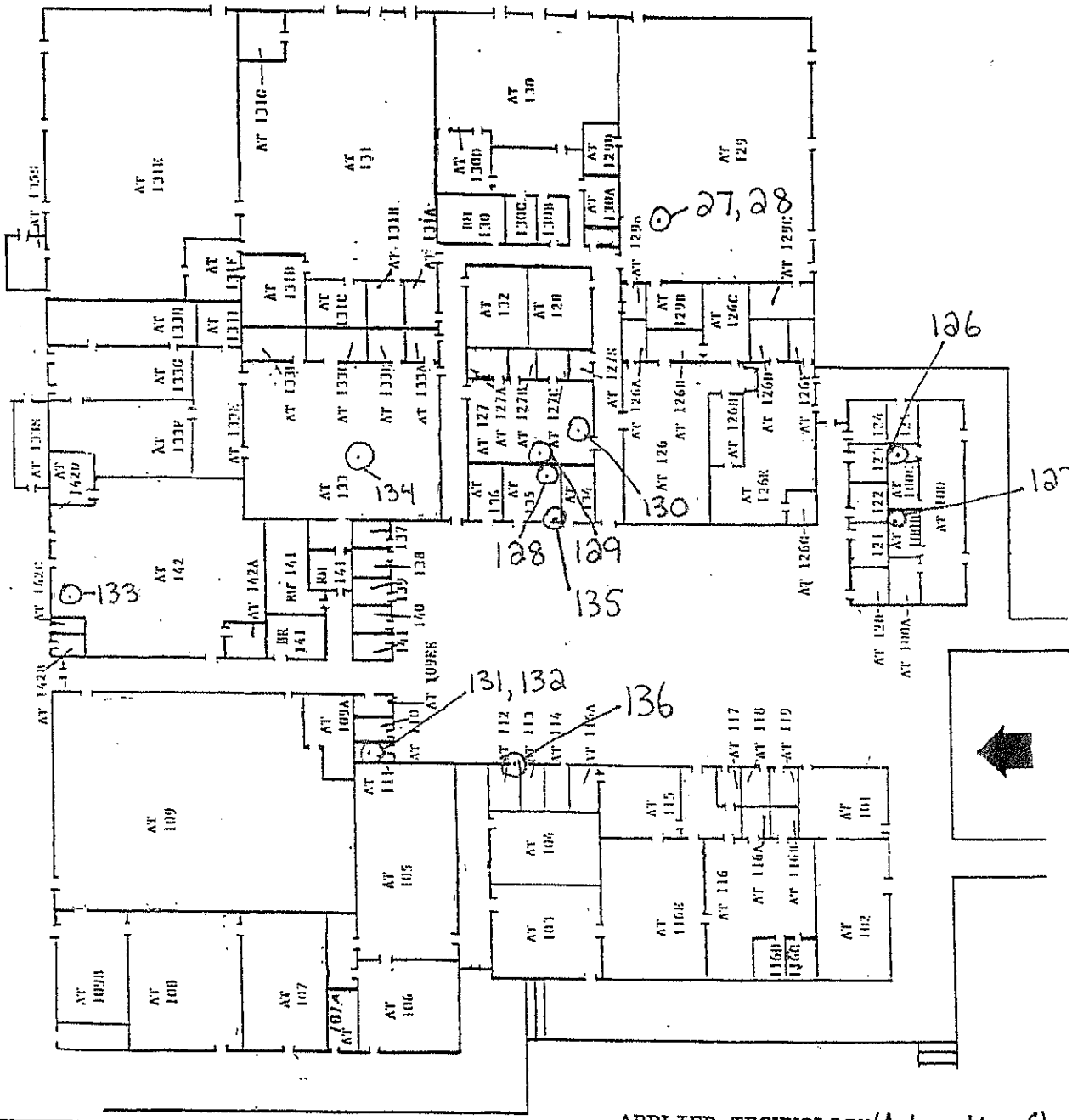

27, 28
126
134
130
128
129
135
133
131, 132
136
APPLIED TECHNOLOGY/Automotive Sho
BUILDING 26
Interior / Exterior
N
Asbestos Sample Locations

Figure 3

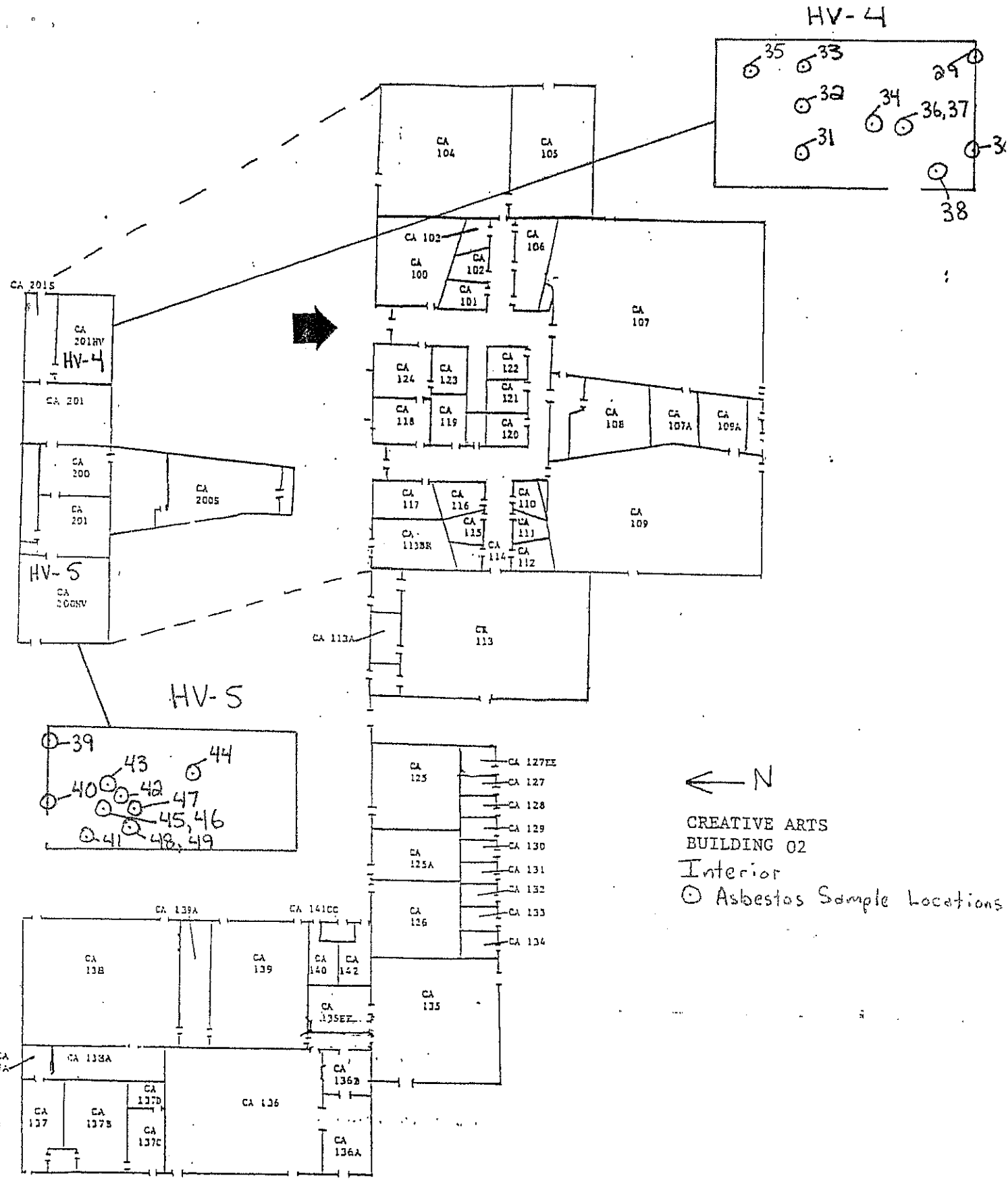
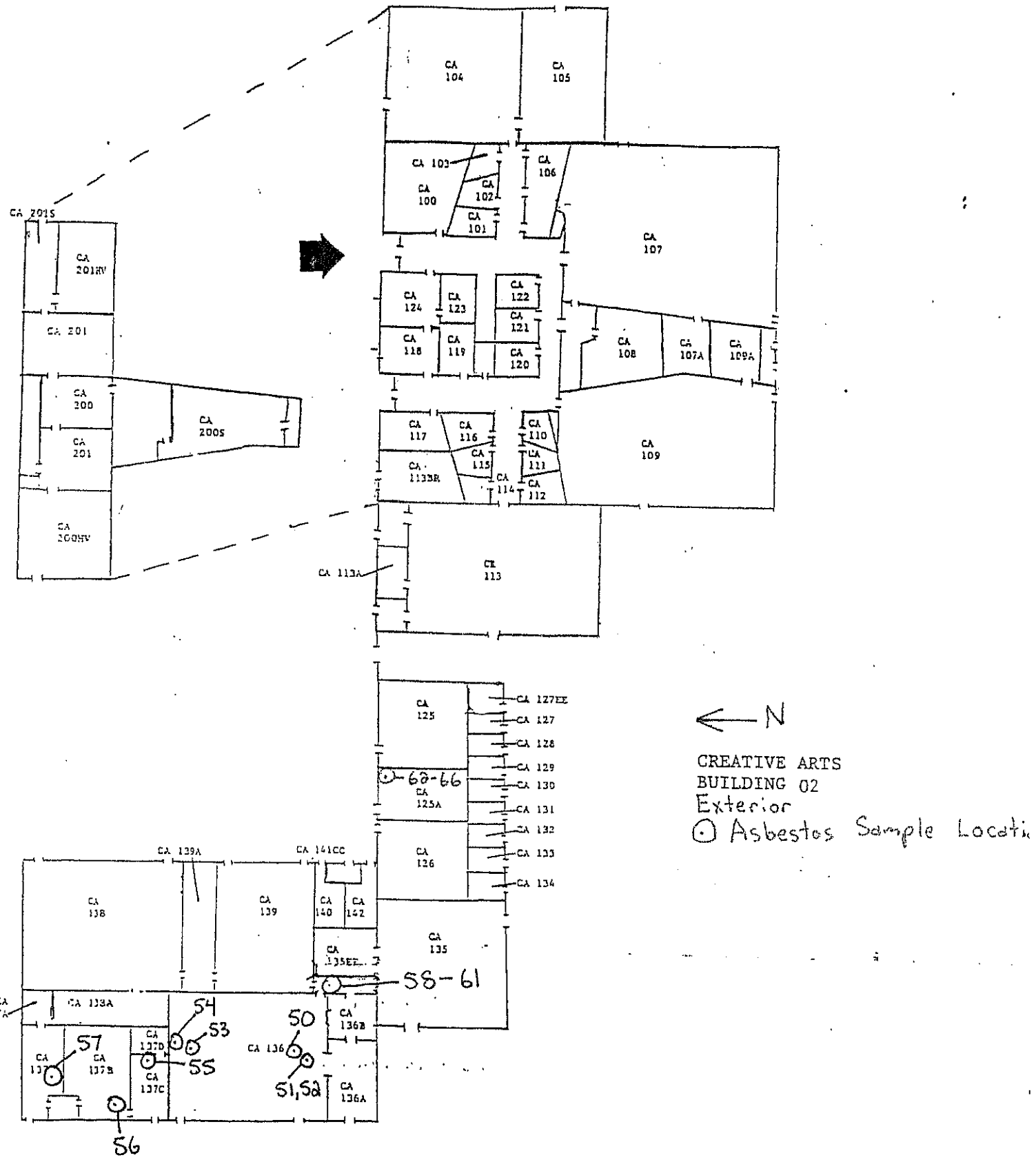

HV-4
35
33
32
31
34
36,37
29
3
38
CA 104
CA 105
CA 102
CA 100
CA 102
CA 101
CA 106
CA 107
CA 201S
CA 201HV
HV-4
CA 201
CA 200
CA 201
CA 200S
HV-5
CA 200HV
CA 124
CA 123
CA 122
CA 121
CA 118
CA 119
CA 120
CA 108
CA 107A
CA 109A
CA 117
CA 116
CA 110
CA 115
CA 111
CA 113BB
CA 114
CA 112
CA 109
CA 113A
CA 113
HV-5
39
43
44
40
42
47
45,46
41
48,49
CA 125
CA 127EE
CA 127
CA 128
CA 129
CA 125A
CA 130
CA 131
CA 132
CA 126
CA 133
CA 134
CA 139A
CA 141CC
CA 138
CA 139
CA 140
CA 142
CA 135
CA 135EE
CA 137A
CA 138A
CA 136B
CA 137D
CA 137
CA 137B
CA 137C
CA 136
CA 136A
N
CREATIVE ARTS
BUILDING 02
Interior
Asbestos Sample Locations

Figure 4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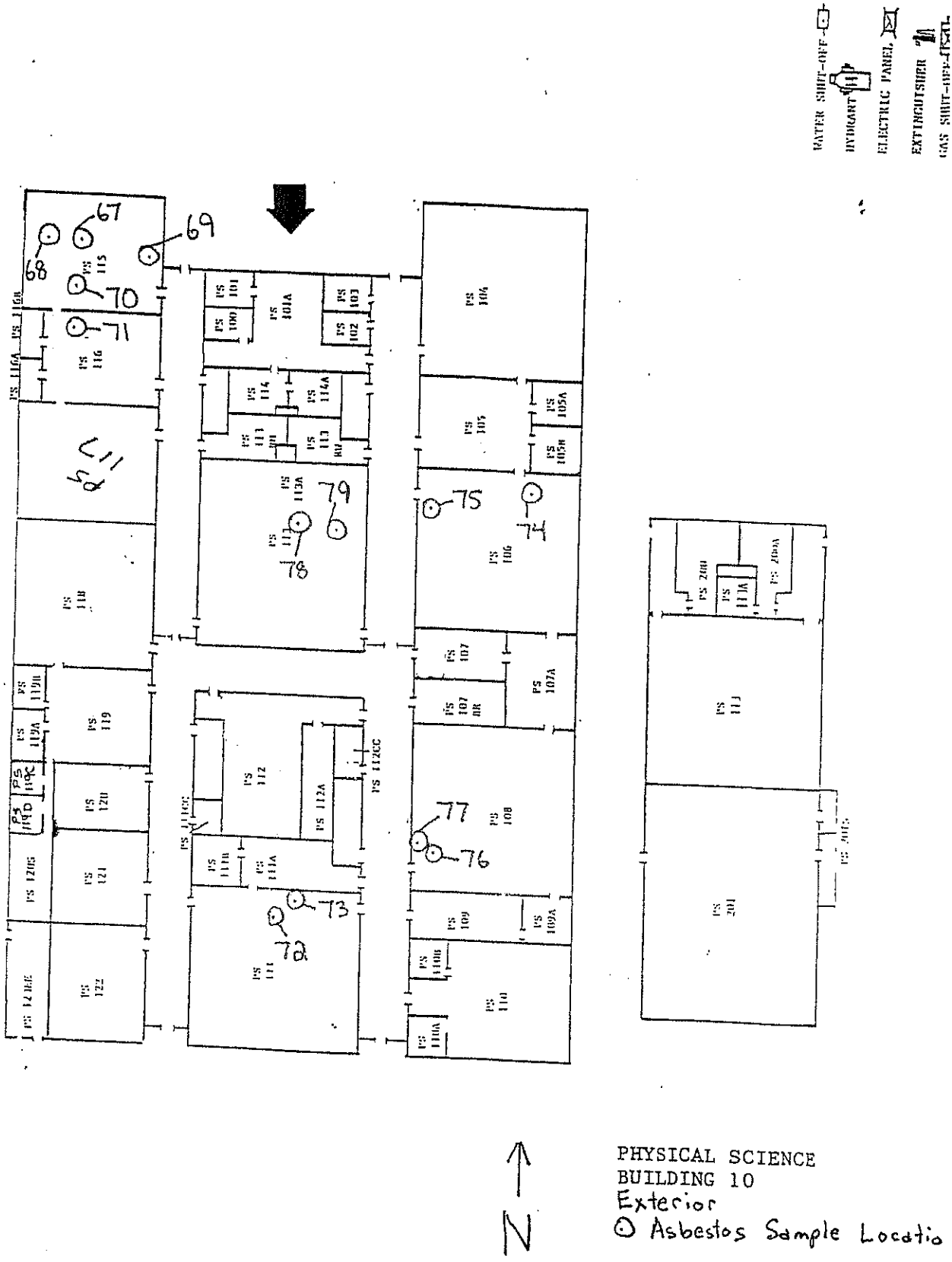
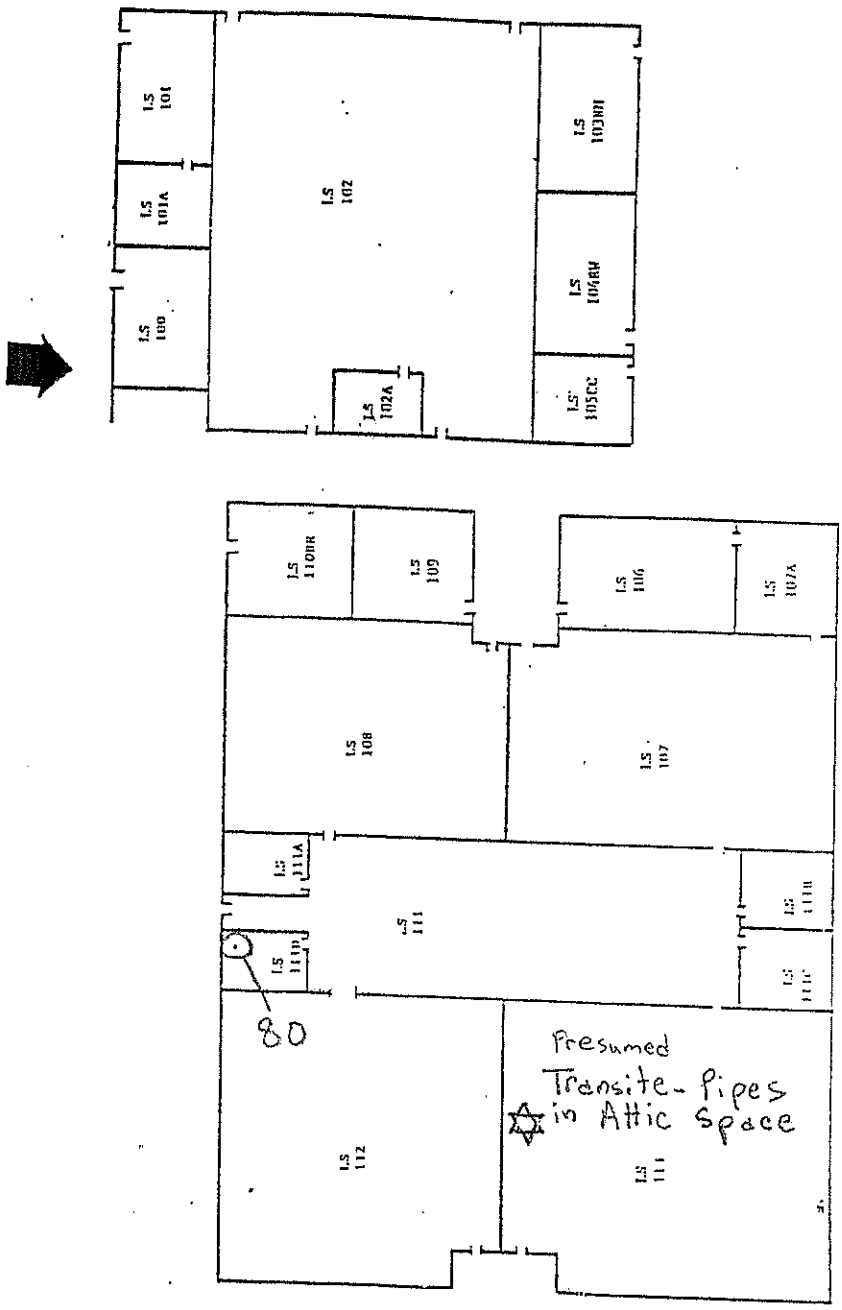
CA 105
CA 103
CA 106
CA 100
CA 102
CA 101
CA 107
CA 201S
CA 201HV
CA 124
CA 123
CA 122
CA 121
CA 201
CA 118
CA 119
CA 120
CA 108
CA 107A
CA 109A
CA 200
CA 200S
CA 201
CA 117
CA 116
CA 110
CA 115
CA 111
CA 109
CA 113B
CA 114
CA 112
CA 200HV
CA 113A
CR 113
CA 125
CA 127EE
CA 127
CA 128
CA 129
CA 130
CA 131
CA 132
CA 133
CA 134
CA 125A
CA 126
CA 139A
CA 141CC
CA 138
CA 139
CA 140
CA 142
CA 135
CA 135EE
CA 138A
CA 137A
CA 137D
CA 137B
CA 137C
CA 136
CA 136B
CA 136A
62-66
58-61
54
53
57
55
50
51,52
56
N
CREATIVE ARTS
BUILDING 02
Exterior
Asbestos Sample Locati

Figure 5



PHYSICAL SCIENCE
BUILDING 10
Exterior
⊙ Asbestos Sample Locatio

Figure 6



← N

LIFE SCIENCE
BUILDING 12
Exterior
⊙ Asbestos Sample Locati

Figure 7

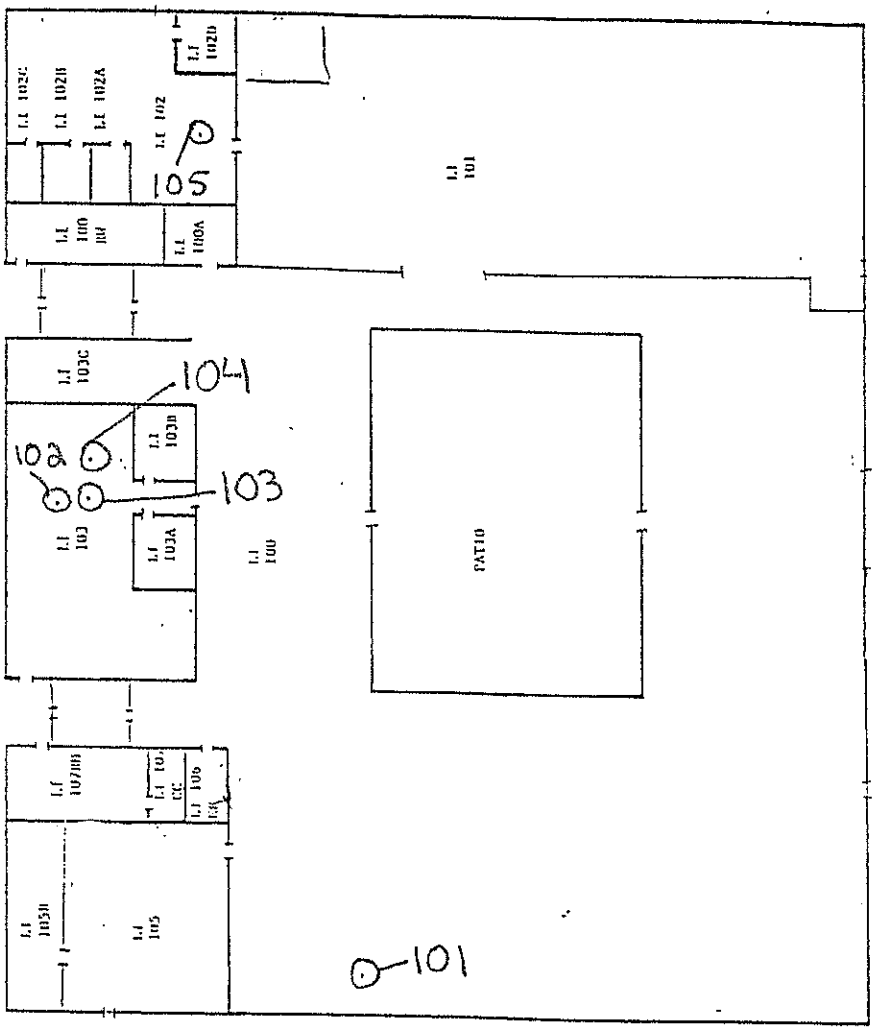
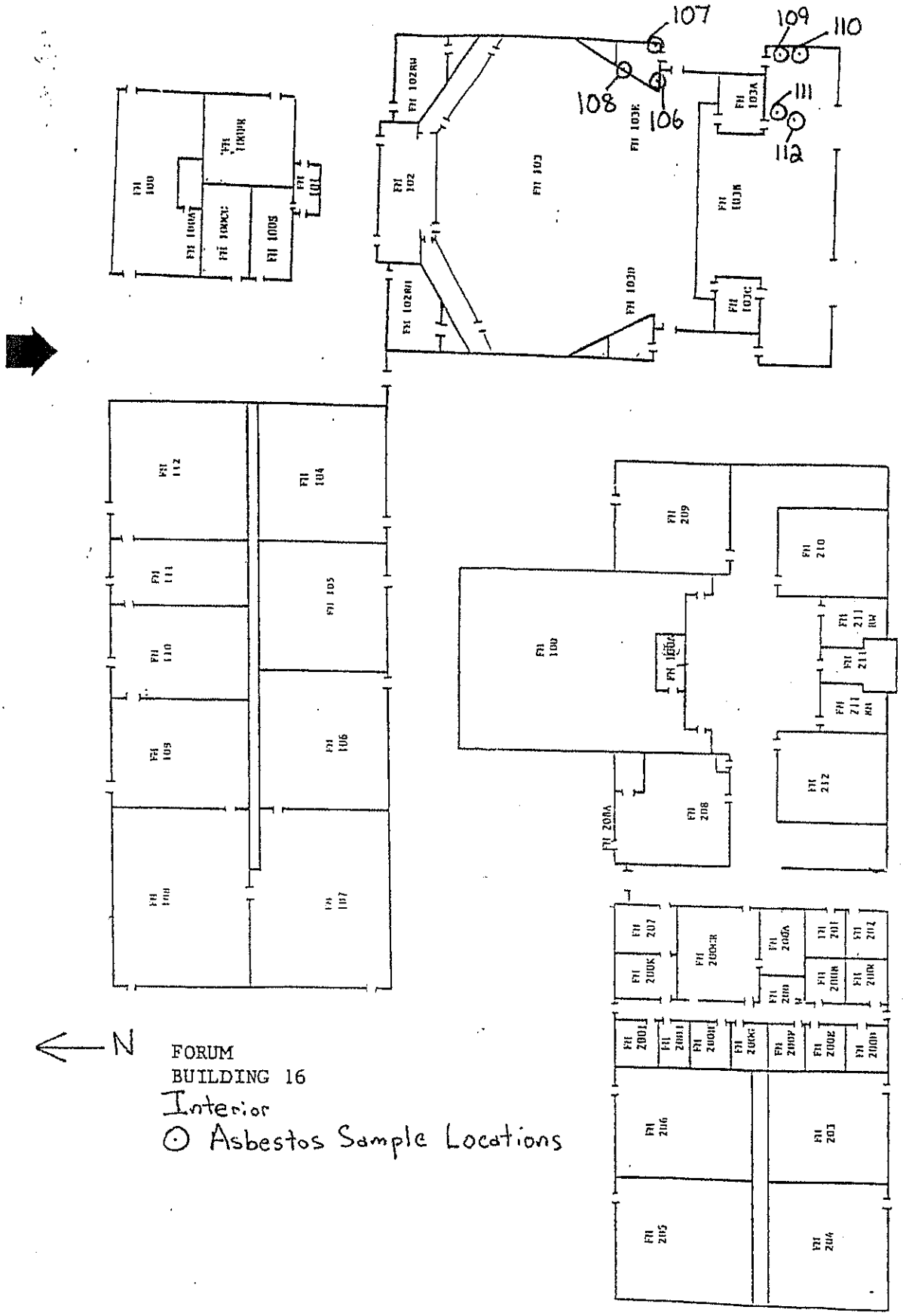

105
104
102
103
101
PATIO
N
LIBRARY
BUILDING 14
Exterior
⊙ Asbestos Sample Loca

Figure 8



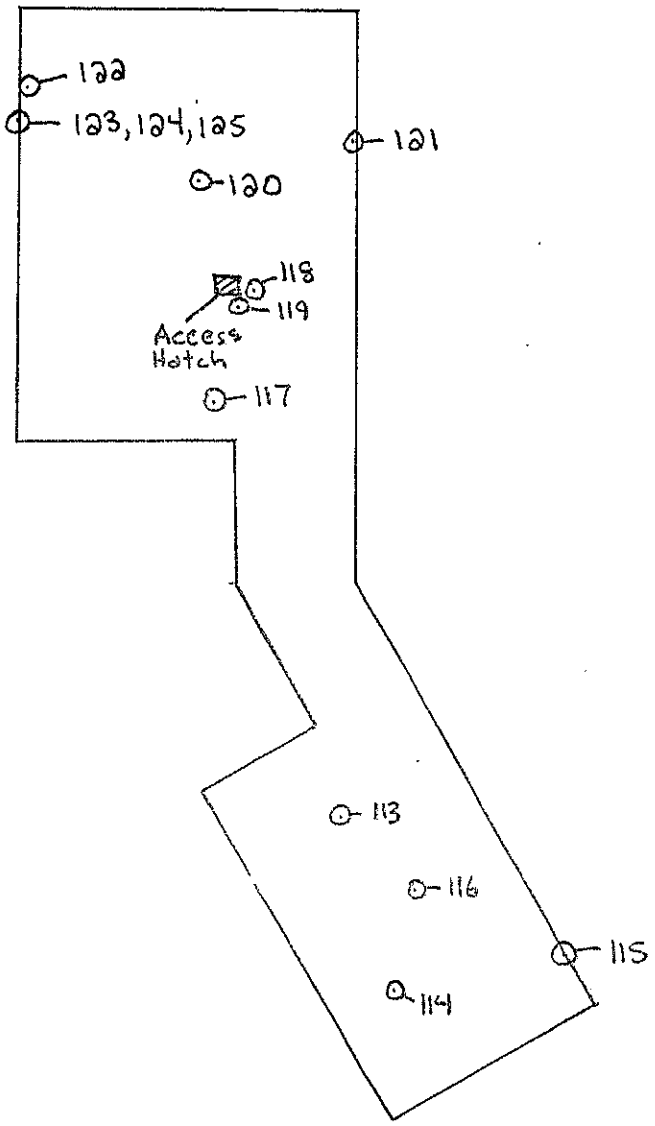
FORUM
BUILDING 16
Interior
⊙ Asbestos Sample Locations

Figure 9

WINZLER & KELLY
CONSULTING ENGINEERS
633 Third Street, Eureka, CA 95501-0417
(707) 443-8326 / FAX (707) 444-8330

By _____ Date _____ Client _____ Sheet No. _____ of _____

Subject _____ Job No. _____



Forum
Exterior
⊙ Asbestos Sample Locations

Figure 10