

Asbestos, LCP and RBM Survey

205 East 6th Street
Loveland, Colorado

January 3, 2018

Terracon Project No. 25177539



Prepared for:

City of Loveland
Loveland, Colorado

Prepared by:

Terracon Consultants, Inc.
Wheat Ridge, Colorado

Offices Nationwide
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Geotechnical ■ Environmental ■ Construction Materials ■ Facilities

January 3, 2018

City of Loveland
500 East Third Street
Loveland, Colorado 80537



Attn: Ms. Tracy Turner-Naranjo
P: 720-386-1883
E: tracy.turner-naranjo@cityofloveland.org

Re: Asbestos, Limited Lead-Containing Paint and Regulated Building Materials Survey
205 East 6th Street
Loveland, Colorado 80537
Terracon Project No. 25177539

Dear Ms. Turner-Naranjo:

Terracon Consultants, Inc. (Terracon) is pleased to submit the attached report for the above-referenced site to City of Loveland. The purpose of this report is to present the results of an asbestos, limited lead-containing paint and regulated building materials survey performed on November 28 through December 1, 2017. This survey was conducted in general accordance with our proposal dated September 14, 2017. We understand that this survey was requested due to planned renovation or demolition activities within the above-referenced building.

Terracon appreciates the opportunity to provide this service to City of Loveland. If you have any questions regarding this report please contact the undersigned at 303-454-5255.

Sincerely,
Terracon Consultants, Inc.
State of Colorado Asbestos Consulting Firm #14838

Prepared by:

A blue ink signature of Kurt L. Streeb, consisting of a stylized 'K' and 'S' followed by a long horizontal stroke.

Kurt L. Streeb, CHMM
Senior Project Manager
State of CO Inspector #9234

Reviewed by:

A blue ink signature of Kevin M. Troyer, featuring a stylized 'K' and 'T' with a long horizontal stroke.

Kevin M. Troyer
Senior Industrial Hygienist
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Geotechnical



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ASBESTOS, LIMITED LEAD-CONTAINING PAINT AND REGULATED BUILDING MATERIALS SURVEY

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EXECUTIVE SUMMARY

Asbestos

Terracon Consultants, Inc. (Terracon) conducted a pre-renovation/demolition asbestos, lead-containing paint (LCP) and regulated building materials (RBMs) survey of the property located at 205 East 6th Street, Loveland, Colorado 80537. The survey was conducted on October 17, 2017 by AHERA-accredited and State of Colorado-certified asbestos inspectors in general accordance with our proposal dated September 14, 2017.

The asbestos inspection and sampling process was conducted in accordance with standards of the United States Environmental Protection Agency (USEPA) 40 Code of Federal Regulations (CFR) Part 763 Subpart E 763, known as the Asbestos Hazard Emergency Response Act (AHERA), the USEPA 40 CFR Part 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), Colorado Department of Public Health and Environment (CDPHE) Regulation No. 8, Part B, 5 CCR 1001-10, Part B, the United States Occupational Safety and Health Administration (USOSHA) 29 CFR 1926.1101 Asbestos Standard for Construction and other applicable industry standards. **Asbestos-containing materials were identified in the building.**

The following asbestos-containing materials were identified as a result of laboratory analysis:

Material Description	Homogenous Area Location	Estimated Quantity*
Gray Tape with Silver and Gray Canvass Wrap and Brown Duct Insulation	Mechanical Room, On Most Ducts, Various Sizes	~5,000 SF
¼ -inch Thick, Off-White, Mudded Joint Fitting Insulation	Mechanical Room, All Cold Water and Hot Water Supply and Return Pipes, 2", 3 ½" and 5" Diameters	~159 Each
Grey Window Glazing	DMV Vehicle Licensing South and Human Services South and West 2' x 2' Windows	~6 Windows
Gray Wall Caulk	On Vertical Seams of Second Floor South Interior Concrete Walls	~100 LF
1-inch Thick Off-White Mudded Joint Fitting Insulation	WIC West, Roof Drain Running North, From the Front Office to the North Addition	~ 12 each

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Material Description	Homogenous Area Location	Estimated Quantity*
Gray Rolled-on Flashing with Black Tar	South Canopy Roof	~72 SF
Gray Wall Caulking	On Vertical Seams of Second Floor South Exterior Concrete Walls	~150 LF
White Window Glazing	2 nd Floor South Lobby/Stairs, WIC East and WIC West, 2' x 5' Windows	~36 Windows
Dark Gray Caulking	South Exterior on Gutters	~25 LF

The following materials were assumed to contain asbestos based previous survey information or inability to sample the material due to prohibitions on destructive sampling.

Material Description	Material Location	Estimated Quantity*
Black Duct Coating on Fiberglass Insulation	Mechanical Room and North Original Building, Inside Lining of Ducts, Various Sizes	~13,000 SF
Vermiculite	Interior of Mechanical Room CMU Block Walls	~100 Cu. Ft.
Ceramic Tile Mortar and Grout	Bathroom Walls and Floors in 199D, 199H, Health Dept. Client Restroom, 2 nd Floor East Side Men's and Women's Restrooms	~875 SF
Fiberglass Reinforced Plastic Adhesive	DMV Cash Room West Wall	~96 SF
Mirror Mastic	Health Department Client Restroom, 2 nd Floor East Side Men's and Women's Restrooms	~3 SF
Fuses	Mechanical Room, North Wall, West Side of AHU, Switch Box	~3 Each

***Estimated quantities** are based on a cursory field evaluation, and actual quantities may vary significantly, especially if asbestos-containing materials are present in hidden and/or inaccessible areas not evaluated as part of this survey.

Terracon recommends destructive investigation of inaccessible areas, such as wall or ceiling voids, as well as sampling of the above-mentioned assumed ACM prior to renovation or demolition of the building.

The asbestos-containing duct tape and wrap, mudded joint fittings and assumed ACM duct insulation coating, vermiculite and fuses are considered RACM. The asbestos-containing window glazing and caulking, and assumed ACM ceramic tile mortar and grout, fiberglass reinforced plastic adhesive and mirror mastic are considered Category II non-friable ACM in good condition (except for the damaged caulking on gutters). These materials must be removed by a CDPHE general asbestos abatement contractor (GAC) prior to renovation (if they will be disturbed) or demolition of the building in accordance with applicable federal, state and local regulations.

Century Environmental previously identified ACM in the form of interior duct insulation (black coating on fiberglass) in the Mechanical Room air handler and ducts. Terracon's limited sampling did not confirm the presence of ACM on the interior duct insulation, but Terracon did not conduct an extensive destructive investigation of the duct interiors to sample insulation in

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various locations. Therefore, until additional sampling proves otherwise, the interior duct insulation should be assumed to contain asbestos. In addition, the metal duct work found throughout the ceiling plenum in the 1967 building appeared to have an interior lining. However, additional destructive sampling would be required to verify the presence of interior duct insulation in these locations. Until such time, the interior duct lines should be assumed to contain ACM duct insulation similar to the ACM interior duct insulation identified in the Mechanical Room ducts.

The asbestos-containing black roof tar flashing is considered Category I non-friable ACM in good condition. Tar-impregnated roofing felts, asphalt tiles, asphalts and mastics that are non-friable and will remain non-friable during proposed demolition methods are exempt from NESHAP requirements and need not be removed prior to demolition. This exemption assumes the demolition of the building does not include deliberate burning or activities that powder or otherwise damage and render the materials friable. Additionally, the building debris need not be disposed of as asbestos-containing waste material provided such Category I ACM remains non-friable. However, Terracon recommends the landfill operator be notified that construction debris contains non-friable asbestos-containing materials.

Lead-Containing Paint

At the Client's request, Terracon collected 21 paint chip samples from 15 different painted substrates. The laboratory determined that samples LP-01, LP-05, LP-06, LP-09 and LP-10 contained insufficient material for analysis.

The following LCPs were identified as a result of laboratory analysis:

Sample Number	Location	Component	Substrate	Color	Condition	Result (% by weight)
LP-02	Mechanical Room	Door Frame	Metal	Gray	Intact	0.14
LP-03	Mechanical Room Stairway	Handrail	Metal	Gray	Fair	1.7
LP-04	Mechanical Room Stairway	Wall	Concrete	White	Intact	0.42
LP-07	Human Services Hallway Janitor's Closet	Door Frame	Metal	Brown	Intact	<0.020
LP-08	DMV Lobby	Stairs	Plaster	White	Intact	0.39
LP-11	Health Department, Nursing Station Storage Room	Door Frame	Metal	Gray	Intact	<0.020
LP-12	2 nd Floor Roof Access	Wall	CMU Block	White	Intact	0.031
LP-13	2 nd Floor Roof Access	Ladder	Metal	White	Intact	0.072
LP-14	2 nd Floor Conference Rooms	I-Beam	Metal	Red	Intact	<0.017
LP-15	South Exterior Canopy	Post and Deck	Metal	White	Poor	0.32
LP-16	South Exterior, Outside Human Services	Column	Concrete	White	Fair	0.016

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Sample Number	Location	Component	Substrate	Color	Condition	Result (% by weight)
LP-17	West Entrance to Human Services	Door Frame	Metal	White	Fair	0.17
LP-18	North Exterior, Door to Probation Department Break Room	Door	Metal	White	Poor	<0.0067
LP-19	North Exterior	Stairs	Metal	White	Poor	<0.0061
LP-20	North Exterior Stairs	Handrail	Metal	White	Fair	<0.0056
LP-21	North Exterior	Column	Concrete	White	Poor	<0.0064

Intact No visible damage or deterioration
Fair Less than or equal to 10% of the total surface area of the component is deteriorated
Poor More than 10% of the total surface area of the component is deteriorated
< less than the indicated laboratory detection limit
Bold exceeds EPA /HUD/CDPHE regulatory level for LBP

Detectable lead quantities may constitute a lead dust hazard during renovation/demolition activities. Personnel performing renovation/demolition activities that may disturb painted components with concentrations of lead above the designated analytical detection limit (lead-containing paint) should comply with all current OSHA regulations in order to minimize employee exposure.

Regulated Building Materials

Suspect RBMs were identified in the form of: mercury-containing fluorescent bulbs, high intensity discharge lamps, thermometers and thermostats; emergency lighting hazardous batteries; chlorofluorocarbon (CFC) containing air conditioning units, a chiller and water fountains; various cleaning supplies, building maintenance chemicals and paints; and smoke detectors containing radioactive material.

Two light ballasts inspected by Terracon "No PCBs". Century Environmental concluded in their 2002 survey that light ballasts in the original 1967 building did not contain PCBs; however, all light ballasts should be assumed to contain PCBs unless labeling indicates otherwise.

Regulated building materials must be properly disposed of in accordance with federal, state and local regulations.

Previous Survey Report

A previous asbestos, LCP and RBM survey was performed by Century Environmental Hygiene, Inc. (Century) in April 2002 on behalf of RKG, Inc. Century's survey was restricted to the interior of the north original construction areas of the building. Century identified ACM in the form of duct insulation (interior and exterior of the duct) and boiler gasket material, all found in the

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basement boiler room. In addition, the pipe fitting insulation throughout the boiler room and first floor was identified as containing between 0.25% – 0.75% asbestos. Of the 8 paint samples collected by Century, none were reported to contain lead. Finally, light ballasts inspected by Century did not contain PCBs and most fluorescent light bulbs were reported be green tipped and therefore, in Century's opinion, did not contain mercury; however, some older fluorescent light bulbs were also observed. It should be noted that the Century report provided to Terracon for review did not contain laboratory analytical reports, photographs or sample location drawings; therefore, the results should be considered unreliable.

ASBESTOS, LIMITED LEAD-CONTAINING PAINT AND REGULATED BUILDING MATERIALS SURVEY

205 East 6th Street

Loveland, Colorado

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January 3, 2018

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos, limited lead-containing paint (LCP) and regulated building materials (RBMs) survey of the building located at 205 East 6th Street, Loveland, Colorado. The survey was conducted on November 28 through December 1, 2017, by AHERA-accredited and State of Colorado-certified asbestos inspectors in general accordance with Terracon Proposal No. P25177539 dated September 14, 2017. The interior and exterior building components were surveyed, and homogeneous areas of suspect asbestos-containing materials (ACM) were visually identified and documented. Although reasonable effort was made to survey accessible suspect materials, additional suspect but unsampled materials could be located inside walls, voids, or in other concealed areas. Suspect ACM samples were collected in general accordance with the sampling protocols outlined in United States Environmental Protection Agency (USEPA) 40 Code of Federal Regulations (CFR) Part 763, Subpart E, known as the Asbestos Hazard Emergency Response Act (AHERA). Samples were delivered to an accredited laboratory for analysis by Polarized Light Microscopy (PLM).

Samples of suspect LCP were collected from randomly selected painted substrates (plaster and CMU block walls, ducts, I-beams, joists, doors, door frames, stairs, handrails, ladders, concrete columns, posts and stairs). The limited LCP survey was performed to meet informational needs to comply with the OSHA Lead in Construction Standard (29 CFR 1926.62).

The RBMs survey was conducted as a visual assessment, no samples of suspected RBMs were collected.

A previous asbestos, LCP and RBM survey was performed by Century Environmental Hygiene, Inc. (Century) in April 2002 on behalf of RKG, Inc. Century's survey was restricted to the interior of the south original 1967 construction areas of the building. Century identified ACM in the form of duct insulation (interior and exterior of the duct) and boiler gasket material all found in the basement boiler room. In addition, the pipe fitting insulation throughout the boiler room and first floor was identified as containing 0.25% to 0.75% asbestos. Of the 8 paint samples collected by Century, none were reported to contain lead. Finally, light ballasts inspected by Century did not contain PCBs and most fluorescent light bulbs were reported to be green tipped; and therefore, were deemed to not contain mercury; however, some older mercury-containing fluorescent light bulbs were also observed. It should be noted that the Century report provided to Terracon for

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review did not contain laboratory analytical reports, photographs or sample location drawings; therefore, the results should be considered unreliable.

1.1 Project Objective

We understand this asbestos, limited LCP and RBMs survey was requested due to the planned renovation or demolition of the on-site building to satisfy requirements of the USEPA 40 CFR Part 61, Subpart M, the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1.2 Reliance

This report is for the exclusive use of the City of Loveland for the project being discussed. Reliance by any other party on this report is prohibited without written authorization of Terracon and City of Loveland. Reliance on this report by the City of Loveland and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and Terracon's Risk Management Environmental Services Agreement. The limitations of liability defined in Terracon's Risk Management Environmental Services Agreement is the aggregate limit of Terracon's liability to the City of Loveland.

2.0 BUILDING DESCRIPTION

The structure is a two-story, approximately 28,000 square-foot office building constructed in 1967. An addition was constructed on the north side of the original 1967 building; however, the construction date is unknown. The building contains offices, three lobby areas, medical exam rooms, conference rooms, kitchenettes and janitor closets. The structure consists of a concrete slab foundation with sub-grade mechanical and elevator mechanical rooms. The structural framing is concrete and CMU block with a wood roof deck in the 1967 building and a steel deck in the more recent section. Flooring on the first and second floors of both sections consists of concrete finished with vinyl floor tile, adhered carpet over floor tile, adhered carpet on concrete, and ceramic tile (in some bathrooms). Walls in the 1967 building consist of gypsum board and plaster finished with texturing. Due to apparent historical renovations, some plaster walls in the office areas have been covered with gypsum board. Walls in the north addition consist of gypsum board finished with texturing and wallpaper. Ceilings throughout the building are finished with 2' x 4' suspended acoustical ceiling tiles. Ceilings in the restrooms are finished with 2' x 4' suspended acoustical ceiling tiles, gypsum board or plaster (in the 1967 building). The heating, ventilation and air condition system (HVAC) for the 1967 building is located in the basement mechanical room. HVAC for the north addition consists of roof-mounted units. Roofing consists of a built-up felt and asphalt system on the 1967 building and a rubber membrane on the north addition. The south entry canopy and west entry canopy roof are also built-up asphaltic systems.

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3.0 FIELD ACTIVITIES

3.1 Asbestos

The survey was conducted by Mr. Kurt Streeb, an AHERA-accredited and State of Colorado-certified asbestos inspector. A copy of Mr. Streeb's asbestos inspector certification is attached in Appendix J. The survey was conducted in general accordance with the sample collection protocols established in USEPA 40 CFR Part 763, Subpart E, Section 763.86 (AHERA). A summary of survey activities is provided below.

3.1.1 Visual Assessment

Survey activities were initiated with visual observation of the interior and exterior of the building to identify homogeneous areas of suspect ACM. A homogeneous area (HA) consists of building materials that appear similar throughout in terms of color and texture with consideration given to the date of application. Interior assessment was conducted in visually accessible areas of the buildings proposed for renovation.

Due to restrictions on destructive sampling, Terracon inspected the interior of the walls in limited locations the building and did not observe additional coverings/layers except where noted in this report, but there may be areas of additional suspect material present within the building walls not investigated.

Terracon observed that the boiler described in the Century survey report had been replaced since the 2002 survey. In addition, Terracon was only able to access the interior of the metal duct in one location in the mechanical room. Due to restrictions on destructive sampling, Terracon did not attempt to cut holes in metal ducts in other areas of the mechanical room and the first floor to confirm the presence of the interior ACM duct insulation reported by Century.

3.1.2 Physical Assessment

A physical assessment of each HA of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the USEPA as a material which can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

3.1.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with USEPA AHERA sampling protocols. Samples of suspect materials were collected from randomly selected locations in each homogeneous area. Bulk samples were collected using wet methods as applicable to reduce the potential for fiber release.

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Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

The selection of sample locations and frequency of sampling were based on Terracon's observations and the assumption that like materials in the same area are homogeneous in content.

Terracon collected 194 bulk samples from 67 homogeneous areas of suspect ACM (there was no homogenous area 33). A summary of suspect ACM samples collected during the survey is included in Appendix D.

3.1.4 Sample Analysis

Bulk samples were submitted under chain of custody to International Asbestos Testing Laboratories of Mount Laurel, New Jersey for analysis by polarized light microscopy (PLM) with dispersion staining techniques per USEPA methodology 600/R-93/116. The percentage of asbestos, where applicable, was determined by microscopic visual estimation. International Asbestos Testing Laboratories is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) Accreditation No. 101165-0. State of Colorado Asbestos Laboratory Registration No. 18632

3.2 Lead-Containing Paint

The limited LCP survey was conducted to provide the client with information to help comply with OSHA requirements for evaluating the potential for lead-in-air content during disturbance of painted materials. The LCP testing was not performed to the HUD "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing", EPA regulation 40 CFR 745, Amendment to Final Rule: Lead; Requirements for Lead-Based Paint Activities in Target Housing and Child-Occupied Facilities; Certification Requirement and Work Practice Standards for Individuals and Firms, or State of Colorado Regulation No. 19, "Lead-Based Paint Abatement" since these guidelines and regulation do not apply to commercial facilities, such as this site.

3.2.1 Visual Assessment

Terracon visually assessed the interior and exterior of the site building to identify construction materials suspected of containing LCP. Painted/coated surfaces which appear similar throughout in terms of color, texture, substrate and date of application are treated as a homogeneous material for paint chip collection purposes. Painted/coated surfaces were visually assessed for evidence of distress, flaking, and/or peeling.

3.2.2 Physical Assessment

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A physical assessment of each selected painted surface was conducted to assess its condition. The painted surfaces were assessed as good, fair or poor condition depending on degree of cracking, peeling or chipping.

3.2.3 Sample Collection

Based on the results of the visual observation, paint chip samples of painted substrates were collected from the interior surfaces of the subject structure. Terracon collected 21 paint chip samples were collected from 15 different painted substrates. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. The sampled coated surfaces are tabulated in Appendix C.

3.2.4 Sample Analysis

Samples of suspect LCP were delivered under proper chain-of-custody to IATL for analysis using Atomic Absorption Spectrophotometry (AAS)/Atomic Emission Spectroscopy-Inductively Coupled Plasma (AES-ICP) USEPA SW846 3050B/AA (7420). IATL is accredited under the American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP) program (Lab ID 101533 - Accreditation Certificate #480). Copies of the analytical reports and chain-of-custody forms are provided in Appendix E.

4.0 REGULATORY OVERVIEW

4.1 Asbestos

The Colorado Department of Public Health and Environment (CDPHE) incorporates the Asbestos NESHAP by reference in Regulation No. 8, Part B, 5 CCR 1001-10, Part B. The owner or operator must provide CDPHE with written notification at least 10 working days prior to the commencement of asbestos abatement activities that will disturb RACM in amounts greater than to 160 square feet, 260 linear feet or a 55-gallon drum.

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. The asbestos NESHAP regulation also requires the identification and classification of existing ACM according to friability prior to demolition or renovation activity. Friable ACM is a material containing more than 1% asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. All friable ACM is considered regulated asbestos containing material (RACM).

The asbestos NESHAP regulation classifies material subject to demolition or renovation as either RACM, Category I non-friable ACM, or Category II non-friable ACM. RACM includes all friable ACM (pre-disturbance), along with Category I non-friable ACM that becomes friable (during disturbance), and Category I non-friable ACM subject to sanding, grinding, cutting, or

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abrading, or Category II non-friable ACM with a high probability of becoming crumbled, pulverized, or reduced to powder by forces expected to act on the material during disturbance. Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials (other than Category I non-friable ACM) that contain more than 1% asbestos. Category II non-friable ACM generally includes (but is not limited to) cementitious material such as: cement pipes, cement siding, cement panels, glazing, mortar, and grouts.

The United States Occupational Safety and Health Administration (USOSHA) asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The USOSHA standard requires that employee exposure to airborne asbestos must not exceed 0.1 fibers per cubic centimeter of air (0.1 f/cc) as an eight-hour time weighted average (TWA) and not exceed 1.0 f/cc over a 30 minute time period known as an excursion limit (EL). The TWA and EL are known as USOSHA's asbestos permissible exposure limits (PELs). The USOSHA standard classifies construction and maintenance activities which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

4.2 Lead-Containing Paint

The LCP sampling was performed in general accordance with the procedures prescribed in the EPA's work practice standards for conducting lead paint testing (40 CFR 745.227). Lead is regulated by the EPA and OSHA at the federal level and by CDPHE at the state level.

The Resource Conservation and Recovery Act (RCRA) gave the USEPA authority to regulate the waste status of demolition and renovation debris, including lead-containing materials. Specific notification and testing requirements must be addressed prior to transporting, treating, storing, or disposing of hazardous wastes. Lead-containing wastes are considered hazardous waste under RCRA if Toxicity Characteristic Leaching Procedure (TCLP) results exceed 5 milligrams per liter (mg/L). EPA exempts from most RCRA requirements those generators whose combined hazardous waste generation is less than 100 kilograms (kg) per month.

Detectable lead quantities may constitute a lead dust hazard during renovation/demolition activities. Personnel performing renovation/demolition activities that may disturb painted components with concentrations of lead above the designated analytical detection limit should comply with all current OSHA regulations in order to minimize employee exposure. OSHA regulates construction activities that disturb lead-containing material regardless of the concentration. Currently, any proposed renovation/demolition is subject to the OSHA regulations (29 CFR 1926.62 – Lead Exposure in Construction).

Contractors and employers are required to comply with 29 CFR 1926.62. Construction work covered by OSHA standards includes any repair or renovation activities or other activities that

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disturb in-place lead-containing materials, but does not include routine cleaning and repainting where there is insignificant damage, wear, or corrosion of existing lead-containing coatings or substrates. Employers must assure that no employee will be exposed to lead at concentrations greater than 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) averaged over an eight-hour period without adequate protection. The OSHA Standards also establish an action level of $30 \mu\text{g}/\text{m}^3$, which if exceeded, triggers the requirement for medical monitoring. The OSHA standard does not define the amount of lead in paint that constitutes lead Containing paint. A negative exposure assessment per trigger task should be conducted to determine if actual airborne levels are below the required OSHA action and permissible levels.

4.3 Regulated Building Materials

4.3.1 Universal Waste

Universal wastes are subject to widespread use, which makes disposal of these hazardous wastes difficult to control. Materials included as universal wastes are regulated under the USEPA RCRA and have been required to be handled as hazardous wastes since the early 1980s.

The Colorado Hazardous Waste Commission adopted streamlined regulations, known collectively as the Universal Waste Rule [6 CCR 1007-3 Part 273] in 1995, to make it less burdensome and less costly to collect, recycle and dispose of certain hazardous wastes that are commonly generated by very small to very large non-residential sources such as businesses, medical facilities, schools and government agencies. While residential consumers are exempt from the Colorado Hazardous Waste Regulations, businesses, medical facilities, schools and government agencies must follow State requirements regarding proper management and disposal of hazardous wastes that they generate.

Mercury-Containing Devices and Lighting Waste

Mercury is a toxic heavy metal and in its vapor form or liquid metal form, may be located in thermostat switches and light bulbs. When a mercury device breaks, it releases mercury into the air, which is toxic to the human nervous system and can poison wildlife.

Mercury-containing devices are any device with less than 5 kg (about 11 pounds) of mercury per device, such as mercury thermostats, thermometers, manometers, barometers, gauges and flow regulators, electrical switches and relays, pyrometers, thermocouples and mercury-filled vacuum pumps.

Waste mercury-containing devices can either be managed in full compliance with the Colorado Hazardous Waste Regulations, or they can be managed in compliance with the reduced requirements of the Universal Waste Rule [6 CCR 1007-3 Part 273.2(c)].

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Battery-Backed Devices

Non-household users of batteries are required by the Colorado Hazardous Waste Regulations to evaluate their wastes and determine which wastes are hazardous [6 CCR 1007-3 Section 262.11]. Battery identification is important in determining if it is a hazardous waste and in selecting the proper disposal method. However, the type of battery often appears only on the packaging material and not on the battery itself. It is good management practice to keep the packaging material for batteries and to minimize the variety of batteries purchased to simplify the identification and management of battery wastes.

The preferred disposal alternative for hazardous batteries is recycling. Although many components of batteries may be recycled, the primary focus has been on metals recovery, chiefly mercury, silver, and cadmium. Mercury-oxide, silver-oxide, and Ni-Cad batteries are the most easily recycled batteries. Batteries such as high mercury alkaline and carbon-zinc, zinc-air, and lithium contain smaller amounts of metals and are therefore not as readily recycled. If these batteries are not recycled, they must be managed and disposed of as hazardous waste at a permitted hazardous waste disposal facility. Hazardous waste batteries can either be managed in full compliance with the Colorado Hazardous Waste Regulations [6 CCR 1007-3 Parts 260-268, 99 and 100], or they can be managed in compliance with the reduced requirements of the Universal Waste Rule [6 CCR 1007-3 Part 273.2(a)].

4.3.2 Other Building Hazardous Wastes

Polychlorinated Biphenyls

USEPA regulation 40 CFR 761 of the Toxic Substances Control Act (TSCA) regulates disposal of PCB bulk product waste under section 761.62. Small ballasts containing less than 50 ppm PCBs may be disposed of at a solid waste landfill. However, the effort to determine the PCB content in ballasts is burdensome, and the USEPA and CDPHE recommend that all PCB ballasts be disposed of a TSCA-approved incinerator facility. It should be noted that ballasts manufactured after 1978 do not typically contain PCBs, and a "No PCBs" indication will be stated on labels affixed to these ballasts. If no indication is made on the ballast label, the ballast should be assumed to contain PCBs. Residential users of these devices, under a relocation scenario, can dispose of these items as household hazardous waste.

The PCB inspection consisted of locating suspect PCB-containing equipment, such as, electrical transformers, large electrical capacitors and electrical light ballasts located on site.

Refrigeration Units Containing Chlorofluorocarbons

CDPHE regulates CFCs under the Air Quality Control Commission Regulation No. 15 "Control of Emissions of Ozone-Depleting Compounds" 5 CCR 1001-19. Air conditioning units and other

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refrigeration devices will not be accepted at a solid waste landfill unless regulated refrigerants have been properly evacuated and recovered from the equipment. Under Section 608 of the USEPA Clean Air Act, EPA regulation 40 CFR 261 of RCRA, CFC materials are not considered a hazardous waste if reclaimed.

Smoke/Heat Detectors

Smoke/heat detectors can be one of two kinds: photoelectric or ionizing. The ionizing variety contains a small amount of radioactive material, americium-241.

No specific requirements exist for the disposal of smoke/heat detection devices. EPA's Household Waste program encourages waste reduction and minimization, but does not exert any special disposal requirements. Many manufacturers encourage return of the devices to their facilities for salvage and recycling of components. The battery or batteries should be removed from the unit(s) prior to disposal.

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5.0 FINDINGS AND RECOMMENDATIONS

5.1 Asbestos

The following asbestos-containing materials were identified as a result of laboratory analysis:

Material Description	Homogenous Area Location	Estimated Quantity*
Gray Tape with Silver and Gray Canvass Wrap and Brown Duct Insulation	Mechanical Room, On Most Ducts, Various Sizes	~5,000 SF
¼ -inch Thick, Off-White, Mudded Joint Fitting Insulation	Mechanical Room, All Cold Water and Hot Water Supply and Return Pipes, 2", 3 ½" and 5" Diameters	~159 Each
Grey Window Glazing	DMV Vehicle Licensing South and Human Services South and West 2' x 2' Windows	~6 Windows
Gray Wall Caulk	On Vertical Seams of Second Floor South Interior Concrete Walls	~100 LF
1-inch Thick Off-White Mudded Joint Fitting Insulation	WIC West, Roof Drain Running North, From the Front Office to the North Addition	~ 12 each
Gray Rolled-on Flashing with Black Tar	South Canopy Roof	~72 SF
Gray Wall Caulking	On Vertical Seams of Second Floor South Exterior Concrete Walls	~150 LF
White Window Glazing	2nd Floor South Lobby/Stairs, WIC East and WIC West, 2' x 5' Windows	~36 Windows
Dark Gray Caulking	South Exterior on Gutters	~25 LF

The following materials were assumed to contain asbestos based previous survey information or inability to sample the material due to prohibitions on destructive sampling.

Material Description	Material Location	Estimated Quantity*
Black Duct Coating on Fiberglass Insulation	Mechanical Room and North Original Building, Inside Lining of Ducts, Various Sizes	~13,000 SF
Vermiculite	Interior of Mechanical Room CMU Block Walls	~100 Cu. Ft.
Ceramic Tile Mortar and Grout	Bathroom Walls and Floors in Restrooms 199D and 199H, the Health Department Client Restroom, and 2 nd Floor East Side Men's and Women's Restrooms	~875 SF
Fiberglass Reinforced Plastic Adhesive	DMV Cash Room West Wall	~96 SF
Mirror Mastic	Health Department Client Restroom, 2 nd Floor East Side Men's and Women's Restrooms	~3 SF
Fuses	Mechanical Room, North Wall, West Side of AHU, Switch Box	~3 Each

*Estimated quantities are based on a cursory field evaluation, and actual quantities may vary significantly, especially if asbestos-containing materials are present in hidden and/or inaccessible areas not evaluated as part of this survey.

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Terracon recommends destructive investigation of inaccessible areas, such as wall or ceiling voids, as well as sampling of the above-mentioned assumed ACM prior to renovation or demolition of the building.

The asbestos-containing duct tape and wrap, mudded joint fittings and assumed ACM duct insulation coating, vermiculite and fuses are considered RACM. The asbestos-containing window glazing and caulking, and assumed ACM ceramic tile mortar and grout, fiberglass reinforced plastic adhesive and mirror mastic are considered Category II non-friable ACM in good condition (except for the damaged caulking on gutters). These materials must be removed by a CDPHE general asbestos abatement contractor (GAC) prior to renovation (if they will be disturbed) or demolition of the building in accordance with applicable federal, state and local regulations.

Century Environmental previously identified ACM in the form of interior duct insulation (black coating on fiberglass) in the Mechanical Room air handler and ducts. Terracon's limited sampling did not confirm the presence of ACM on the interior duct insulation, but Terracon did not conduct an extensive destructive investigation of the duct interiors to sample insulation in various locations. Therefore, until additional sampling proves otherwise, the interior duct insulation should be assumed to contain asbestos. In addition, the metal duct work found throughout the ceiling plenum in the 1967 building appeared to have an interior lining. However, additional destructive sampling would be required to verify the presence of interior duct insulation in these locations. Until such time, the interior duct lines should be assumed to contain ACM duct insulation similar to the ACM interior duct insulation identified in the Mechanical Room ducts.

The asbestos-containing black roof tar flashing is considered Category I non-friable ACM in good condition. Tar-impregnated roofing felts, asphalt tiles, asphalts and mastics that are non-friable and will remain non-friable during proposed demolition methods are exempt from NESHAP requirements and need not be removed prior to demolition. This exemption assumes the demolition of the building does not include deliberate burning or activities that powder or otherwise damage and render the materials friable. Additionally, the building debris need not be disposed of as asbestos-containing waste material provided such Category I ACM remains non-friable. However, Terracon recommends the landfill operator be notified that construction debris contains non-friable asbestos-containing materials.

A summary of the classification, condition and approximate quantity of identified ACM is presented in Appendix A. The summary of sample locations is presented in Appendix B. Laboratory analytical reports are included in Appendix D.

Terracon can provide the Client with a proposal for developing asbestos abatement specifications (project design) and for performing abatement oversight and air monitoring upon request.

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5.2 Lead-Containing Paint

Ten of the 16 sampled coated surfaces were identified as containing concentrations of lead greater than the laboratory detection limits. Interior painted surfaces were noted to be in generally intact condition. Exterior painted surfaces were generally in noted to be in fair to poor condition. Laboratory results of all surface coatings tested for lead are provided in Appendix E.

The following LCPs were identified as a result of laboratory analysis:

Sample Number	Location	Component	Substrate	Color	Condition	Result (% by weight)
LP-02	Mechanical Room	Door Frame	Metal	Gray	Intact	0.14
LP-03	Mechanical Room Stairway	Handrail	Metal	Gray	Fair	1.7
LP-04	Mechanical Room Stairway	Wall	Concrete	White	Intact	0.42
LP-07	Human Services Hallway Janitor's Closet	Door Frame	Metal	Brown	Intact	<0.020
LP-08	DMV Lobby	Stairs	Plaster	White	Intact	0.39
LP-11	Health Department, Nursing Station Storage Room	Door Frame	Metal	Gray	Intact	<0.020
LP-12	2 nd Floor Roof Access	Wall	CMU Block	White	Intact	0.031
LP-13	2 nd Floor Roof Access	Ladder	Metal	White	Intact	0.072
LP-14	2 nd Floor Conference Rooms	I-Beam	Metal	Red	Intact	<0.017
LP-15	South Exterior Canopy	Post and Deck	Metal	White	Poor	0.32
LP-16	South Exterior, Outside Human Services	Column	Concrete	White	Fair	0.016
LP-17	West Entrance to Human Services	Door Frame	Metal	White	Fair	0.17
LP-18	North Exterior, Door to Probation Department Break Room	Door	Metal	White	Poor	<0.0067
LP-19	North Exterior	Stairs	Metal	White	Poor	<0.0061
LP-20	North Exterior Stairs	Handrail	Metal	White	Fair	<0.0056
LP-21	North Exterior	Column	Concrete	White	Poor	<0.0064

Intact No visible damage or deterioration
 Fair Less than or equal to 10% of the total surface area of the component is deteriorated
 Poor More than 10% of the total surface area of the component is deteriorated
 < less than the indicated laboratory detection limit
Bold exceeds EPA /HUD/CDPHE regulatory level for LBP

The laboratory determined that samples LP-01, LP-05, LP-06, LP-09 and LP-10 contained insufficient material for analysis.

Contractors disturbing LCPs are required to comply with OSHA 29 CFR 1926.62. Lead wastes must be recycled or disposed of properly in accordance with federal, state or local regulations. Terracon can assist with waste characterization of lead-containing paints through sampling of those materials coated with paints containing greater than 1% lead and submission of those samples for analysis via the Toxicity Characteristic Leaching Procedure (TCLP).

6.0 REGULATED BUILDING MATERIALS SURVEY

The purpose of this survey was conducted to visually identify regulated building materials in the buildings prior to demolition. No samples were collected of suspected regulated building materials. The pre-demolition/renovation regulated building materials survey was conducted by Mr. Kurt Streeb on July 18, 19 and 20, 2017.

6.1 Polychlorinated Biphenyls (PCB) Materials

- The two inspected light ballasts indicated “No PCBs”.

Century Environmental concluded in their 2002 survey that light ballasts in the original 1967 building did not contain PCBs; however, all light ballasts should be assumed to contain PCBs unless labeling indicates otherwise.

6.2 Mercury-Containing Materials

- Approximately 237 mercury-containing fluorescent light bulbs were identified throughout the building interior.
- Approximately 5 suspect mercury-containing thermometers or gauges were identified in the Mechanical Room.
- A suspect mercury-containing thermostat was identified in the Conference Rooms.
- Approximately five high intensity discharge (HID) lamps were identified

6.3 Batteries

- Approximately 12 emergencies lights containing suspect hazardous batteries were identified throughout the building interior.

6.4 Chlorofluorocarbons (CFC) Materials

CFCs are a group of materials, which may harm the ozone layer. CFCs were used as refrigerants in various devices such as refrigerators, air handlers, chillers, or freezers. CFCs

must be removed prior to disposal or recycling of appliances by technicians who have been certified in an EPA approved program. This requirement became effective in 1994.

- A chiller unit containing suspect CFCs was observed in the Mechanical Room.
- Two water fountains containing suspect CFCs were observed in the DMV lobby and the Conference Rooms
- Six air conditioning units and a cooling tower containing suspect CFCs were observed on the roof.

6.5 Chemicals

- Small quantities of building maintenance chemicals were observed in the Mechanical Room.
- Cleaning chemicals were observed in three janitor's closets.
- Small quantities of various paints were observed in the Probation Department Janitor's Closet located adjacent to the Break Room.

6.6 Smoke Detectors

- Approximately 41 smoke detectors containing suspect radioactive material were observed throughout the building.

Terracon did not dismantle any smoke detectors to determine if they contained radioactive materials. Therefore, all smoke detectors should be assumed to contain radioactive materials unless labeling indicates otherwise.

The above-mentioned RBMs should be removed and disposed of in accordance with federal, state and local regulations prior to renovation or demolition activities.

7.0 LIMITATIONS/GENERAL COMMENTS

Terracon did not perform sampling which required demolition or destructive activities such as knocking holes in walls, dismantling of equipment or removal of protective coverings. Reasonable efforts to access suspect materials within known areas of restricted access (e.g., crawl spaces) were made; however, confined spaces or areas which may pose a health or safety risk to Terracon personnel were not sampled. Sampling did not include suspect materials which could not be safely reached with available ladders/man-lifts.

This asbestos, limited LCP and RBMs survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing

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under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our survey of the building. The information contained in this report is relevant to the date on which this survey was performed, and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the City of Loveland for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories, or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A
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IDENTIFIED ASBESTOS-CONTAINING MATERIALS BY HOMOGENEOUS AREA (HA)

HA No.	Material Description	Material Location	% and Type Asbestos**	NESHAP Classification	Condition	OSHA Classification	Estimated Quantity*
05	Gray Tape with Silver and Gray Canvass Wrap and Brown Duct Insulation	Mechanical Room, On Most Ducts, Various Sizes	20% - 40% Chrysotile	RACM	Damaged	TSI	~5,000 SF
18	¼ -inch Thick, Off-White, Muddled Joint Fitting Insulation	Mechanical Room, <u>All</u> Cold Water and Hot Water Supply and Return Pipes, 2", 3 ½" and 5" Diameters	0.25% - 1.5% Chrysotile P.C. ¹	RACM	Damaged	TSI	~159 Each
42	Grey Window Glazing	DMV Vehicle Licensing South and Human Services South and West 2' x 2' Windows	2.9% - 3.7% Chrysotile P.C.	Category II Non-Friable	Good (No Damage)	Miscellaneous	~6 Windows
43	Gray Wall Caulk	On Vertical Seams of Second Floor South Interior Concrete Walls	2.4% - 4.4% Chrysotile P.C.	Category II Non-Friable	Good (No Damage)	Miscellaneous	~100 LF
50	1-inch Thick Off-White Muddled Joint Fitting Insulation	WIC West, Roof Drain Running North From the Front Office	0.75% - 1.8% Chrysotile/Amosite P.C.	RACM	Damaged	TSI	~ 12 each
56	Gray Rolled-on Flashing with Black Tar	South Canopy Roof	1.7% - 2.1% Chrysotile P.C.	Category I Non-Friable	Good (No Damage)	Miscellaneous	~72 SF
57	Gray Wall Caulking	On Vertical Seams of Second Floor South Exterior Concrete Walls	3% - 3.7% Chrysotile P.C.	Category II Non-Friable	Good (No Damage)	Miscellaneous	~150 LF
58	White Window Glazing	2 nd Floor South Lobby/Stairs, WIC East and WIC West, 2' x 5' Windows	1.5% - 1.7% Chrysotile P.C.	Category II Non-Friable	Good (No Damage)	Miscellaneous	~36 Windows

¹ P.C. = Point Count analysis

HA No.	Material Description	Material Location	% and Type Asbestos**	NESHAP Classification	Condition	OSHA Classification	Estimated Quantity*
59	Dark Gray Caulking	South Exterior on Gutters	3.5% - 4.1% Chrysotile P.C.	Category II Non-Friable	Damaged	Miscellaneous	~25 LF

***Estimated quantities** are based on a cursory field evaluation, and actual quantities may vary significantly, especially if asbestos-containing materials are present in hidden and/or inaccessible areas not evaluated as part of this survey.

****% & Type Asbestos** = this column contains both the analytical result of the sample with the highest concentration of asbestos detected in the samples that make up the HA and the types of asbestos identified.

The materials listed in this table have been sampled and determined to contain asbestos in concentrations greater than 1%. When disturbed, various federal, state and local regulations may apply. These materials should be monitored for damage over time and repaired as necessary by appropriately trained personnel. Removal may be necessary before renovations and in most cases before a demolition. See Appendix B for a summary of samples collected. See Appendix C for detailed analytical results.

ASSUMED ASBESTOS-CONTAINING MATERIALS BY HA

HA No.	Material Description	Material Location	NESHAP Classification	OSHA Classification	Condition	Estimated Quantity*
69	Black Coating on Fiberglass Duct Insulation	Mechanical Room and Original 1967 Building, Inside Lining of Ducts, Various Sizes	Cat. II Non-Friable	Miscellaneous	Good (No Damage)	~13,000 SF
70	Vermiculite	Interior of CMU Block Walls in Mechanical Room	RACM Friable	Miscellaneous	Damaged	~100 Cu. Ft.
71	Ceramic Tile Mortar and Grout	Bathroom Walls and Floors in Restrooms 199D and 199H, the Health Department Client Restroom, and 2nd Floor East Side Men's and Women's Restrooms	Cat. II Non-Friable	Miscellaneous	Good (No Damage)	~875 SF
72	Fiberglass Reinforced Plastic Adhesive	DMV Cash Room West Wall	Cat. II Non-Friable	Miscellaneous	Good (No Damage)	~96 SF
73	Mirror Mastic	Health Department Client Restroom, 2 nd Floor East Side Men's and Women's Restrooms	Cat. II Non-Friable	Miscellaneous	Good (No Damage)	~3 SF
74	Fuses	Mechanical Room, North Wall, West Side of AHU, Switch Box	RACM Friable	Miscellaneous	Good (No Damage)	~3 Each

***Estimated quantities** are based on a cursory field evaluation, and actual quantities may vary significantly, especially if asbestos-containing materials are present in hidden and/or inaccessible areas not evaluated as part of this survey.

Assumed materials are materials that are commonly determined to contain asbestos that could not be sampled during the survey. Reasons for not sampling can include lack of accessibility (high ceilings), structural integrity (roofing) or other sampling limitations. Assumed asbestos containing materials should be monitored for damage and treated as asbestos containing material. These materials should be sampled before any renovation or demolition activities that may disturb them to determine their actual asbestos content.

APPENDIX B

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ASBESTOS SURVEY SAMPLE LOCATION SUMMARY

HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
01	01-FT2-01	M	12" x 12" Grey Mottled Floor Tile	Mech./Tele. Room, SE Corner By Door	1	None Detected	Telephone Room	Non-ACM	Good	N/A	~100 SF
	01-FT2-02	M	12" x 12" Grey Mottled Floor Tile	Mech./Tele. Room, W. Wall, 5 Feet From S. Wall	1	None Detected		Non-ACM	Good	N/A	
			Black Mastic		2	None Detected					
	01-FT2-03	M	12" x 12" Grey Mottled Floor Tile	Mech./Tele. Room, NE Corner	1	None Detected		Non-ACM	Good	N/A	
			Black Mastic		2	None Detected					
	01-FT2-04	M	12" x 12" Grey Mottled Floor Tile	WIC West, Hallway Adj. Exam Rm 5, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
Black Mastic			2		None Detected						
02	02-MG3-01	M	Tan Cove Base Adhesive, Associated with 3" Brown Cove Base	Mech./Tele. Room, SE Corner By Door	1	None Detected	Telephone Room	Non-ACM	Good	N/A	~37 LF
	02-MG3-02	M	Tan Cove Base Adhesive, Associated with 3" Brown Cove Base	Mech./Tele. Room, N. Wall 5 Feet From West	1	None Detected		Non-ACM	Good	N/A	
	02-MG3-03	M	Tan Cove Base Adhesive, Associated with 3" Brown Cove Base	Mech./Tele. Room, W. Wall 3 Ft From North	1	None Detected		Non-ACM	Good	N/A	
03	03-WB1-01	M	1" Thick Grey/Tan Sheetrock	Mech./Tele. Room, Lower Ceiling, 2 Feet From North	1	None Detected	Telephone Room Ceiling and Walls	Non-ACM	Damaged	N/A	~200 SF
			White Joint Compound		2	None Detected					
			Composite		3	None Detected					
	03-WB1-02	M	1" Thick Grey/Tan Sheetrock	Mech./Tele. Room, Lower Ceiling, 4 Feet From North	1	None Detected		Non-ACM	Damaged	N/A	
			White Joint Compound		2	None Detected					
			Composite		3	None Detected					
	03-WB1-03	M	White Joint Compound	Mech./Tele. Room, N. Wall By Door	1	None Detected		Non-ACM	Damaged	N/A	

AHERA Assessment Category

1. Damaged/Significantly damaged TSI
2. Damaged friable surfacing ACM
3. Significantly damaged friable surfacing ACM
4. Damaged or significantly damaged friable miscellaneous ACM

5. ACM with potential for damage
6. ACM with potential for significant damage
7. Any remaining friable ACM or friable suspected ACM
- No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous

HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
04	04-HP2-01	S	White Plaster Skimcoat	Mech./Tele. Room, E. Wall, Inside Conduit Chase	1	None Detected	Mechanical Room Ceiling, Columns and East Wall of Telephone Room; Stairs Ceilings; and Human Services, WIC East, WIC West, DMV Lobby, DMV Vehicle Licensing, and 2 nd Floor Lobby, Walls (Covered with Drywall on Most of the Walls).	Non-ACM	Damaged	N/A	~8,700 SF
			½ -inch Thick Beige Plaster		2	None Detected					
	04-HP2-02	S	White Plaster Skimcoat	Mech. Room, Column 14 Feet From E, 6 Feet High	1	None Detected		Non-ACM	Damaged	N/A	
	04-HP2-03	S	White Plaster Skimcoat	WIC West, Exam Room 6, W. Wall Above Ceiling	1	None Detected					
			½ -inch Thick Beige Plaster		2	None Detected					
	04-HP2-04	S	½ -inch Thick Brown Plaster	Human Services, 2 nd Main Office Room, E. Wall, 9 Feet High	1	None Detected		Non-ACM	Damaged	N/A	
			White Plaster Skimcoat		2	None Detected					
	04-HP2-05	S	½ -inch Thick Brown Plaster	Human Services, N. Hallway, S. Wall 4 Feet From DMV Waiting Area	1	None Detected		Non-ACM	Damaged	N/A	
			White Plaster Skimcoat		2	None Detected					
	04-HP2-06	S	White Plaster Skimcoat	DMV Waiting Area, Ceiling Under Stairs	1	None Detected		Non-ACM	Good	N/A	
04-HP2-07			S	White Plaster Skimcoat	2nd Floor Lobby, N. Wall, NE Corner, 9 Feet High	1	None Detected				
	½ -inch Thick Tan Plaster	2		None Detected							
05	05-MI4-01	T	Gray Tape with Gray Canvass Wrap and Brown Duct insulation	Mech. Room, On Duct 7 Feet From East, 2 Feet From N. Wall	1	40% - Chrysotile	Mechanical Room, On Most Ducts, Various Sizes	RACM	Damaged	1	~5,000 LF
	05-MI4-02	T	Gray Tape with Silver and Gray Canvass Wrap and Brown Duct Insulation	Mech. Room, On Duct 6 Feet From West, 2 Feet From North	1	40% - Chrysotile		RACM	Damaged	1	
	05-MI4-03	T	Gray Tape with Silver and Gray Canvass Wrap and Brown Duct Insulation	Mech. Room, On Duct 11 Feet From West, 3 Feet From Column, 10 Feet High	1	20% - Chrysotile		RACM	Damaged	1	
06	06-MI4-01	T	Black Coating on Tan Fiberglass, Duct Insulation	Mech. Room, Inside Duct, 3 Feet From South, 4 Feet From W, 8 Feet High	1	None Detected	Mechanical Room, Inside Most Ducts, Various Sizes	Non-ACM	Damaged	N/A	~13,000 SF
	06-MI4-02	T	Black Mastic on Tan Fiberglass, Duct Insulation	Mech. Room, Inside Duct, 3 Feet From South, 4 Feet From W, 8 Feet High	1	None Detected		Non-ACM	Damaged	N/A	
	06-MI4-03	T	Black Mastic on Tan Fiberglass, Duct Insulation	Mech. Room, Inside Duct, 3 Feet From South, 4 Feet From W, 8 Feet High	1	None Detected		Non-ACM	Damaged	N/A	
07	07-WP1-01	T	Grey Vibration Joint Cloth	Mech. Room, On AHU, 12 Feet From West, 10 Feet High	1	None Detected	Mechanical Room	Non-ACM	Good	N/A	~3 Each
08	08-CT4-01	M	½-inch Thick 2' x4' Grey/White Ceiling Tile with Thin Horizontal Fissures and Pinholes	WIC West, Exam Rm. 6, Ceiling 4 Feet From Door	1	None Detected	Throughout Building, Mixed with other Ceiling Tiles	Non-ACM	Good	N/A	~650 SF
	08-CT4-02	M	½-inch Thick 2' x4' Grey/White Ceiling Tile with Thin Horizontal Fissures and Pinholes	Prob. Dept., E. Hallway, Ceiling	1	None Detected		Non-ACM	Good	N/A	
	08-CT4-03	M	½-inch Thick 2' x4' Grey/White Ceiling Tile with Thin Horizontal Fissures and Pinholes	Prob. Dept. Break Room, Corner At Bathroom, Ceiling	1	None Detected		Non-ACM	Good	N/A	
09	09-CT4-01	M	½-inch Thick 2' x4' Tan Ceiling Tile with a Smooth White Surface	WIC West, Exam Rm. 6, On Top Of Light Fixture	1	None Detected	South Original 1967 Building, On Top of Light Fixtures	Non-ACM	Good	N/A	~1,600 SF
	09-CT4-02	M	½-inch Thick 2' x4' Tan Ceiling Tile with a Smooth White Surface	DMV Offices, SW Corner, On Top Of Light Fixture	1	None Detected		Non-ACM	Good	N/A	
	09-CT4-03	M	½-inch Thick 2' x4' Tan Ceiling Tile with a Smooth White Surface	DMV Offices, At E. Wall Behind Counter 7, Ceiling, On Top Of Light Fixture	1	None Detected		Non-ACM	Good	N/A	

AHERA Assessment Category

1. Damaged/Significantly damaged TSI

2. Damaged friable surfacing ACBM

3. Significantly damaged friable surfacing ACBM

4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage

6. ACBM with potential for significant damage

7. Any remaining friable ACBM or friable suspected ACBM

No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
10	10-CT4-01	M	½-inch Thick Tan Ceiling Tile with Thick Horizontal Fissures and Tight Spaced Holes	WIC West, Exam Rm. 6, Ceiling 4 Feet From South	1	None Detected	Throughout South 1967 Building, Mixed with other Ceiling Tiles	Non-ACM	Good	N/A	~2,400 SF
	10-CT4-02	M	½-inch Thick Tan Ceiling Tile with Thick Horizontal Fissures and Tight Spaced Holes	DMV Waiting Area RR, Ceiling, Center	1	None Detected		Non-ACM	Good	N/A	
	10-CT4-03	M	½-inch Thick Tan Ceiling Tile with Thick Horizontal Fissures and Tight Spaced Holes	DMV Waiting Area RR, Ceiling, NW Corner	1	None Detected		Non-ACM	Good	N/A	
11	11-MG3-01	M	Tan Cove Base Adhesive, Associated with 3" Brown Baseboard	WIC West, Exam Rm. 6, N. Wall Adj. Door	1	None Detected	WIC West and Human Services	Non-ACM	Good	N/A	1,400 LF
	11-MG3-02	M	Tan Cove Base Adhesive, Associated with 3" Brown Baseboard	Human Services, N. Center Room, N. Wall At Door	1	None Detected		Non-ACM	Good	N/A	
12	12-PL5-01	S	White Knockdown Drywall Texture	WIC West, Exam Rm. 6, N. Wall Adj. Door	1	None Detected	South 1967 Building Walls	Non-ACM	Good	N/A	22,000 SF
	12-PL5-02	S	White Knockdown Drywall Texture	Human Services, South Small Storage Room, E. Wall, 9 Feet High	1	None Detected		Non-ACM	Good	N/A	
	12-PL5-03	M	White Sheetrock	Human Services, N. Hallway Jan. Closet, W. Wall	1	None Detected		Non-ACM	Good	N/A	
		S	White Knockdown Drywall Texture		2	None Detected		Non-ACM	Good	N/A	
	12-PL5-04	S	White Plaster	DMV Offices, E. Wall Behind Counter 7	1	None Detected		Non-ACM	Good	N/A	
		S	White Knockdown Drywall Texture		2	None Detected		Non-ACM	Good	N/A	
	12-PL5-05	S	White Knockdown Drywall Texture	DMV Offices, Storage Room, S. Wall	1	None Detected		Non-ACM	Good	N/A	
	12-PL5-06	S	White Knockdown Drywall Texture	2nd Floor Lobby, N. Wall, NE Corner, 10 Feet High	1	None Detected		Non-ACM	Good	N/A	
	12-PL5-07	S	White Knockdown Drywall Texture	WIC East, N. Wall, 4 Ft From E. Wall	1	None Detected		Non-ACM	Good	N/A	
13	13-FT4-01	M	Yellow and Tan Carpet Adhesive	WIC West, Exam Rm. 6, SE Corner, Under Carpet	1	None Detected	WIC West and Human Services	Non-ACM	Good	N/A	
	13-FT4-02	M	Yellow Carpet Adhesive	Human Services, N. Center Room At Door, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
14	14-SC6-01	M	Light Gray Sprayed-On Sink Undercoating	WIC West, Exam Rm. 6, W. Wall Under Sink	1	None Detected	WIC West Exam Rooms and Probation Department Room 150	Non-ACM	Good	N/A	~7 Each
	14-SC6-02	M	Light Gray Sprayed-On Sink Undercoating	Prob. Dept. Rm. 150, Under Sink	1	None Detected		Non-ACM	Good	N/A	
	14-SC6-03	M	Light Gray Sprayed-On Sink Undercoating	WIC West, Exam 6, W. Wall Under Sink	1	None Detected		Non-ACM	Good	N/A	
15	15-CT4-01	M	½-inch Thick 2' x 4' Light Gray Ceiling Tile with Small and Medium Holes	WIC West, W. Hallway Near WIC 1/Staff, Ceiling	1	None Detected	WIC West and Probation Department, Mixed with other Ceiling Tiles	Non-ACM	Good	N/A	~2,400 SF
	15-CT4-02	M	½-inch Thick 2' x 4' Light Gray Ceiling Tile with Small and Medium Holes	Prob. Dept. Waiting Area, Near Rm. 150, Ceiling	1	None Detected		Non-ACM	Good	N/A	
16	16-FT4-01	M	Tan Carpet Adhesive	WIC West, W. Hallway Adj. Exam Rm. 5, Under Carpet	1	None Detected	WIC West	Non-ACM	Good	N/A	~2,400 SF

AHERA Assessment Category

1. Damaged/Significantly damaged TSI

2. Damaged friable surfacing ACBM

3. Significantly damaged friable surfacing ACBM

4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage

6. ACBM with potential for significant damage

7. Any remaining friable ACBM or friable suspected ACBM

No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
17	17-FT1-01	M	9" x 9" Gray Floor Tile	WIC West, Office Near Exam Rm. 5, Under Carpet	1	None Detected	WIC West Office Near Exam Room 5	Non-ACM	Good	N/A	~100 SF
			Tan Mastic		2	None Detected					
			Black Mastic		3	None Detected					
	17-FT1-02	M	9" x 9" Gray Floor Tile	WIC West, Office Near Exam Rm. 5, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
			Black Mastic		2	None Detected					
	17-FT1-03	M	9" x 9" Gray Floor Tile	WIC West, Office Near Exam Rm 5, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
			Tan Mastic		2	None Detected					
			Black Mastic		3	None Detected					
	18	18-MJ4-01	T	¼ -inch Thick, Off-White, Mudded Joint Fitting Insulation	Mech. Room, W. Wall, 5" Cold Water Riser, 7 Feet From N., 5 Feet High	1		0.25% - Amosite P.C. ²	Mechanical Room, All Cold Water and Hot Water Supply and Return Pipes, 2", 3 ½" and 5" Diameters	RACM	
18-MJ4-02		T	¼ -inch Thick, Off-White, Mudded Joint Fitting Insulation	Mech. Room, 3½" Hot Water Supply Line, Between Boiler And AHU, 7 Feet High	1	1.2% - Amosite P.C.	RACM	Damaged		1	
18-MJ4-03		T	¼ -inch Thick, Off-White, Mudded Joint Fitting Insulation	Mech. Room, 5" Hot Water Supply Line, W. Wall, 6 Feet From S., 2 Feet High	1	1.5% - Amosite P.C.	RACM	Damaged		1	
19	19-SC5-01	M	White Pipe Sealant	Mech. Room, Heating Supply Pipe To Boiler, W. Side	1	None Detected	Mechanical Room, on Fiberglass Insulated Pipes	Non-ACM	Good	N/A	~22 Each
	19-SC5-02	M	White Pipe Sealant	Mech. Room, NW Corner, W. Side Of AHU Near HW Tank, 2 Ft. High	1	None Detected		Non-ACM	Good	N/A	
	19-SC5-03	M	White Pipe Sealant	Mech. Room, NW Corner, Base Of HW Tank	1	None Detected		Non-ACM	Good	N/A	
20	20-SC5-01	M	Brown Duct Sealant	Mech. Room, W. Side Of AHU, 5 Ft. High	1	None Detected	Mechanical Room, West Side of AHU	Non-ACM	Good	N/A	~2 Sf
	20-SC5-02	M	Brown Duct Sealant	Mech. Room, W. Side Of AHU, 4 Ft. High	1	None Detected		Non-ACM	Good	N/A	
	20-SC5-03	M	Brown Duct Sealant	Mech. Room, W. Side Of AHU, 2 Ft. High	1	None Detected		Non-ACM	Good	N/A	
21	21-FT2-01	M	12" x 12" Gray/Blue Mottled Floor Tile	Mech. Room Hallway, SE Corner Under Carpet	1	None Detected	Mechanical Room Hallway, Probation Department Waiting Area Janitor's Closet, and DMV Lobby East Side	Non-ACM	Good	N/A	~725 SF
			Black Mastic		2	None Detected					
	21-FT2-02	M	12" x 12" Gray/Blue Mottled Floor Tile	Prob. Dept. Waiting Area, Jan Closet, SE Corner	1	None Detected		Non-ACM	Good	N/A	
			Black Mastic		2	None Detected					
	21-FT2-03	M	12" x 12" Gray/Blue Mottled Floor Tile	DMV Waiting Area, Adjacent To S. Door, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
			Black Mastic		2	None Detected					
			Grey Leveling Compound		3	None Detected					

² P.C. = Point Count analysis
AHERA Assessment Category
1. Damaged/Significantly damaged TSI
2. Damaged friable surfacing ACBM
3. Significantly damaged friable surfacing ACBM
4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM
No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
22	22-MG3-01	M	Tan, Light Brown and Cream Cove Base Adhesive, Associated with 3” Gray Cove Base	Mech. Room Hallway, S. Wall, SE Corner	1	None Detected	Mechanical Room Hallway, Probation Department Waiting Area, Probation Department Break Room Hallway	Non-ACM	Good	N/A	~175 LF
	22-MG3-02	M	Tan, Light Brown and Cream Cove Base Adhesive, Associated with 3” Gray Cove Base	Prob. Dept. Waiting Area, NW Corner By Exit	1	None Detected		Non-ACM	Good	N/A	
		M	Off-White Mastic		2	None Detected		Non-ACM	Good	N/A	
	22-MG3-03	M	Tan, Light Brown and Cream Cove Base Adhesive, Associated with 3” Gray Cove Base	Prob. Dept. Break Room Hallway, S. Wall Across From Exit	1	None Detected		Non-ACM	Good	N/A	
23	23-FT4-01	M	Yellow-Brown Carpet Adhesive	Prob. Dept., S. Wall of Room 150 At Door to Wait Area, Under Carpet	1	None Detected	DMV Vehicle Licensing, 2 nd Floor Lobby, Probation Department Waiting Area	Non-ACM	Good	N/A	~4,285 SF
	23-FT4-02	M	Yellow-Brown Carpet Adhesive	DMV Offices, At E. Wall In Doorway Behind Counter 5, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
	23-FT4-03	M	Yellow-Brown Carpet Adhesive	2nd Floor Lobby, At N. Wall, 3 Feet From E. Wall	1	None Detected		Non-ACM	Good	N/A	
24	24-FT4-01	M	Gray Carpet Adhesive	Prob. Dept. Rm. 150, N. Wall, 8 Ft From E., Under Carpet	1	None Detected	Probation Department Rooms 150 and 165, and 2 nd Floor Conference Rooms	Non-ACM	Good	N/A	~3,700 SF
	24-FT4-02	M	Gray Carpet Adhesive	Prob. Dept. Room 165, At E. Door To Break Room Hallway, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
	24-FT4-03	M	Gray Carpet Adhesive with Yellow/Tan Mastic	2nd Floor, Conference Room A, S. Door Under Carpet	1	None Detected		Non-ACM	Good	N/A	
25	25-WB1-01	M	½ -inch Thick Grey/Tan Sheetrock	Prob. Dept., E. Hallway, N. Wall, 2 Ft From W., 9 Feet High	1	None Detected	Throughout Building on Textured and Unfinished Walls, Bathroom Ceilings	Non-ACM	Good	N/A	~31,000 SF
		M	White Joint Compound		2	None Detected					
		M	Composite		3	None Detected					
	25-WB1-02	M	½ -inch Thick Grey/Tan Sheetrock	DMV Office, Storage Room, N. Wall Center, 9 Feet High	1	None Detected		Non-ACM	Good	N/A	
		M	White Joint Compound		2	None Detected					
		M	Composite		3	None Detected					
	25-WB1-03	M	½ -inch Thick Grey/Tan Sheetrock	2nd Floor Lobby, N. Wall, NE Corner, 10 Feet High	1	None Detected		Non-ACM	Good	N/A	
		M	White Joint Compound		2	None Detected					
		M	Composite		3	None Detected					
	25-WB1-04	M	White/Tan ½ -inch Thick Grey/Tan Sheetrock	WIC East, Clinical Room Hallway, N. Wall, 9 Feet High	1	None Detected		Non-ACM	Good	N/A	
		M	White Joint Compound		2	None Detected					
		M	Composite		3	None Detected					

AHERA Assessment Category

1. Damaged/Significantly damaged TSI

2. Damaged friable surfacing ACBM

3. Significantly damaged friable surfacing ACBM

4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage

6. ACBM with potential for significant damage

7. Any remaining friable ACBM or friable suspected ACBM

No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
26	26-PL5-01	M	White/Tan ½ -inch Thick Grey/Tan Sheetrock	Prob. Dept. Waiting Area, N. Wall At Door To Rm. 165	1	None Detected	Probation Department, Health Department and Conference Rooms Walls	Non-ACM	Good	N/A	~9,000 SF
		M	White Knockdown Texture		2	None Detected					
	26-PL5-02	M	White/Tan ½ -inch Thick Grey/Tan Sheetrock	Prob. Dept. Rm. 150, W. Wall, NW Corner, 9 Ft High	1	None Detected		Non-ACM	Good	N/A	
		M	White Knockdown Texture		2	None Detected					
	26-PL5-03	M	White/Tan ½ -inch Thick Grey/Tan Sheetrock	Prob. Dept. E. Hallway, S. Wall By Door, 9 Ft High	1	None Detected		Non-ACM	Good	N/A	
		M	White Knockdown Texture		2	None Detected					
	26-PL5-04	M	White/Tan ½ -inch Thick Grey/Tan Sheetrock	Prob. Dept. Break Room, Corner At Bathroom, 9 Ft High	1	None Detected		Non-ACM	Good	N/A	
		M	White Knockdown Texture		2	None Detected					
	26-PL5-05	M	Yellow Mastic	Prob. Dept. E. Janitor's Closet, N. Wall By Door	1	None Detected		Non-ACM	Good	N/A	
	26-PL5-06	M	White Knockdown Texture	Health Dept., Break Room, S. Wall At Door	1	None Detected		Non-ACM	Good	N/A	
	26-PL5-07	M	White Knockdown Texture	Health Dept., Exam 2, NE Corner	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected		Non-ACM	Good	N/A	
	26-PL5-08	M	White Knockdown Texture	2nd Floor Conference Rooms, Corner At Wall Access From Kitchenette	1	None Detected		Non-ACM	Good	N/A	
	26-PL5-09	M	White Knockdown Texture	2nd Floor Conference Rooms, 20 Feet S. Of N. Wall, 20 Feet From W. Wall	1	None Detected		Non-ACM	Good	N/A	
27	27-SC6-01	M	Gray Smooth Sink Undercoating	Prob. Dept., Break Room, S. Wall, Under Sink	1	None Detected	Probation Department Break Room and Conference Rooms Kitchenette	Non-ACM	Good	N/A	~3 Each
	27-SC6-02	M	Gray Smooth Sink Undercoating	2nd Floor Conference Rooms, Kitchenette, Under Sink	1	None Detected		Non-ACM	Good	N/A	
	27-SC6-03	M	Gray Smooth Sink Undercoating	2nd Floor Conference Rooms, Kitchenette, Under Sink	1	None Detected		Non-ACM	Good	N/A	
28	28-FT2-01	M	12" x 12" Brown Mottled Floor Tile	Prob. Dept. Break Room Hallway, S. Wall Across From Exit	1	None Detected	Probation Department Break Room, Mixed in with HAs 29 A& 30	Non-ACM	Good	N/A	~650 SF
	28-FT2-02	M	12" x 12" Brown Mottled Floor Tile	Prob. Dept. Break Room, At S. Door	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected					
	28-FT2-03	M	12" x 12" Brown Mottled Floor Tile	Prob. Dept. Break Room, NE Corner	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected					
29	29-FT2-01	M	12" x 12" Blue Mottled Floor Tile	Prob. Dept. Break Room, At S. Door	1	None Detected	Probation Department Break Room, Mixed in with HAs 29 A& 30	Non-ACM	Good	N/A	~50 SF
		M	Yellow Mastic		2	None Detected					

AHERA Assessment Category

1. Damaged/Significantly damaged TSI

2. Damaged friable surfacing ACBM

3. Significantly damaged friable surfacing ACBM

4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage

6. ACBM with potential for significant damage

7. Any remaining friable ACBM or friable suspected ACBM

No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
30	30-FT2-01	M	12" x 12" White Floor Tile with Black and Gray Spots	Prob. Dept. Break Room, W. Wall At Bathroom	1	None Detected	Probation Department Break Room, Mixed in with HAs 29 A& 30. DMV Lobby Restroom	Non-ACM	Good	N/A	~100 SF
		M	Yellow Mastic		2	None Detected					
	30-FT2-02	M	12" x 12" White Floor Tile with Black and Gray Spots	DMV Waiting Area RR, SE Corner	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected					
	30-FT2-03	M	12" x 12" White Floor Tile with Black and Gray Spots	DMV Waiting Area RR, SE Corner	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected					
31	31-CT4-01	M	½-inch Thick 2' x 4' Pink Ceiling Tile with Horizontal Fissures and Wide-Spaced Holes	Human Services, N. Center Room, Ceiling	1	None Detected	Throughout 1967 Building, Mixed in with other Ceiling Tiles	Non-ACM	Good	N/A	~2,400 SF
	31-CT4-02	M	½-inch Thick 2' x 4' Pink Ceiling Tile with Horizontal Fissures and Wide-Spaced Holes	Human Services, SE Hallway, Ceiling	1	None Detected		Non-ACM	Good	N/A	
	31-CT4-03	M	½-inch Thick 2' x 4' Pink Ceiling Tile with Horizontal Fissures and Wide-Spaced Holes	Human Services, South Small Storage Room, Ceiling	1	None Detected		Non-ACM	Good	N/A	
32	32-FC6-01	M	White Floor Leveling Compound	Human Services, N. Center Room, N. Wall At Door, Under Carpet	1	None Detected	Human Services, N. Center Room, N. Wall At Door, Under Carpet	Non-ACM	Good	N/A	~1 SF
34	34-MG3-01	M	Yellow Cove Base Adhesive, Associated with 6" Black Cove Base	Human Services, Room F, W. Wall	1	None Detected	Human Services, Room F	Non-ACM	Good	N/A	~50 LF
35	35-MJ4-01	T	White Mudded Joint Fitting Insulation	Human Services, Room F, 3" Pipe Near E. Wall, 10 Feet High	1	None Detected	Throughout the 1 st Floor of the 1967 Building, on 1-1/2 inch, 2-inch and 3-inch Insulated Pipes	Non-ACM	Good	N/A	~32 Each
	35-MJ4-02	T	White Mudded Joint Fitting Insulation	Human Services, 2" Pipe, N. Hallway Above Door To N. Center Room, 10 Feet High	1	None Detected		Non-ACM	Good	N/A	
	35-MJ4-03	T	White Mudded Joint Fitting Insulation	Human Services, 1-1/2" Pipe, N. Hallway Above Door To N. Center Room, 10 Feet High	1	None Detected		Non-ACM	Good	N/A	
36	36-FT2-01	M	9" x 9" Beige/Tan Floor Tile	DMV Waiting Area, E. Wall By S. Door, Under Dark Teal Carpet	1	None Detected	DMV Lobby, East Side	Non-ACM	Good	N/A	~100 SF
		M	Yellow Mastic		2	None Detected					
	36-FT2-02	M	9" x 9" Beige/Tan Floor Tile	DMV Waiting Area, NE Corner Under Teal Carpet	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected					
	36-FT2-03	M	9" x 9" Beige/Tan Floor Tile	DMV Waiting Area, E. Wall Center Door, Under Teal Carpet	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected					
		M	Grey Leveling Compound		3	None Detected					
		M	White Grout		4	None Detected					

AHERA Assessment Category

1. Damaged/Significantly damaged TSI

2. Damaged friable surfacing ACBM

3. Significantly damaged friable surfacing ACBM

4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage

6. ACBM with potential for significant damage

7. Any remaining friable ACBM or friable suspected ACBM

No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
37	37-FT2-01	M	12" x 12" Gray Floor Tile with Red, Black and White Spots	DMV Waiting Area, E. Wall Near S. Door, Under Dark Teal Carpet	1	None Detected	DMV Lobby, East Side	Non-ACM	Good	N/A	~100 SF
		M	Black Mastic		2	None Detected					
	37-FT2-02	M	12" x 12" Gray Floor Tile with Red, Black and White Spots	DMV Waiting Area, NE Corner Under Teal Carpet	1	None Detected		Non-ACM	Good	N/A	
		M	Black Mastic		2	None Detected					
	37-FT2-03	M	12" x 12" Gray Floor Tile with Red, Black and White Spots	DMV Waiting Area, E. Wall Center Door, Under Teal Carpet	1	None Detected		Non-ACM	Good	N/A	
		M	Black Mastic		2	None Detected					
38	38-PL5-01	S	White, Light Orange Peel Texture	DMV Waiting Area, E. Wall By S. Door, 8 Feet High	1	None Detected	DMV Lobby North, East and West Walls	Non-ACM	Good	N/A	~500 SF
	38-PL5-02	S	White, Light Orange Peel Texture	DMV Waiting Area, E. Wall Between S. And N. Door, 8 Feet High	1	None Detected		Non-ACM	Good	N/A	
	38-PL5-03	S	White, Light Orange Peel Texture	DMV Waiting Area, E. Wall Above N. Door, 8 Feet High	1	None Detected		Non-ACM	Good	N/A	
39	39-MG3-01	M	White Mastic, Associated with 6" Gray Cove Base	DMV Waiting Area RR, E. Wall By Door	1	None Detected	DMV Lobby Restroom	Non-ACM	Good	N/A	~40 LF
	39-MG3-02	M	White Mastic, Associated with 6" Gray Cove Base	DMV Waiting Area RR, W. Wall Center	1	None Detected		Non-ACM	Good	N/A	
	39-MG3-03	M	White Mastic, Associated with 6" Gray Cove Base	DMV Waiting Area RR, S. Wall Center	1	None Detected		Non-ACM	Good	N/A	
40	40-PL5-01	S	White, Heavy Orange Peel Texture	DMV Waiting Area RR, E. Wall By Door	1	None Detected	DMV Lobby Restroom Walls	Non-ACM	Good	N/A	~ 300 SF
	40-PL5-02	S	Brown Sheetrock	DMV Waiting Area RR, W. Wall Center	1	None Detected		Non-ACM	Good	N/A	
	40-PL5-03	S	White Plaster	DMV Waiting Area RR, S. Wall Center	1	None Detected		Non-ACM	Good	N/A	
		S	White, Heavy Orange Peel Texture		2	None Detected					
41	41-FT4-01	M	Gray/Blue Carpet Adhesive	DMV Offices, At E. Wall In Doorway Behind Counter 5, Under Carpet	1	None Detected	DMV Vehicle Licensing	Non-ACM	Good	N/A	~2,000 SF
	41-FT4-02	M	Gray/Blue Carpet Adhesive	DMV Offices, N. Wall At Door, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
	41-FT4-03	M	Gray/Blue and Yellow Carpet Adhesive	DMV Offices, At E. Wall In Doorway Behind Counter 7, Under Carpet	1	None Detected		Non-ACM	Good	N/A	
42	42-SC1-01	M	Grey Window Glazing	DMV Offices, S. Wall, Window	1	2.9% - Chrysotile P.C.	DMV Vehicle Licensing South and Human Services South and West 2' x 2' Windows	Category II non-friable	Good	N/A	~6 Windows
	42-SC1-02	M	Grey Window Glazing	DMV Offices, S. Wall, Window	1	3.2% - Chrysotile P.C.		Category II non-friable	Good	N/A	
	42-SC1-03	M	Grey Window Glazing	DMV Offices, S. Wall, Window	1	3.7% - Chrysotile P.C.		Category II non-friable	Good	N/A	
43	43-CA3-01	M	Gray Wall Caulk	2nd Floor Lobby Stairs Landing, S. Wall Center, Between Windows	1	4.4% - Chrysotile P.C.	On Vertical Seams of Second Floor South Interior Concrete Walls	Category II non-friable	Good	N/A	~100 LF
		M	White Non-Fibrous		2	None Detected					
	43-CA3-02	M	Gray Wall Caulk	WIC East, S. Wall Between Windows	1	2.4% - Chrysotile P.C.		Category II non-friable	Good	N/A	
	43-CA3-03	M	Gray Wall Caulk	2nd Floor Lobby Stairs Landing, S. Wall Center, Between Windows	1	3.3% - Chrysotile P.C.		Category II non-friable	Good	N/A	

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- 3. Significantly damaged friable surfacing ACBM
- 4. Damaged or significantly damaged friable miscellaneous ACBM

- 5. ACBM with potential for damage
- 6. ACBM with potential for significant damage
- 7. Any remaining friable ACBM or friable suspected ACBM
- No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
44	44-FT4-01	M	12" x 12" Brown Mottled Floor Tile	Health Dept., Lab Doorway	1	None Detected	Throughout Health Department	Non-ACM	Good	N/A	~1,200 SF
		M	Black Mastic		2	None Detected					
	44-FT4-02	M	12" x 12" Brown Mottled Floor Tile	Health Dept., Nursing Station Room, Storage Room At Door	1	None Detected		Non-ACM	Good	N/A	
		M	Black Mastic		2	None Detected					
		M	Yellow Mastic		3	None Detected					
	44-FT4-03	M	12" x 12" Brown Mottled Floor Tile	Health Dept., Exam 2, NE Corner By Door	1	None Detected		Non-ACM	Good	N/A	
		M	Black Mastic		2	None Detected					
		M	Yellow/White Mastic / Paper		3	None Detected					
	45	45-FT2-01	M	12" x 12" Beige Floor Tile with Gray Spots	Health Dept., Break Room, S. Wall At Door	1		None Detected	Throughout Health Department, Mixed in with HA-44	Non-ACM	
45-FT2-02		M	12" x 12" Beige Floor Tile with Gray Spots	Health Dept., Lab, W. Wall Under Centrifuge	1	None Detected	Non-ACM	Good		N/A	
45-FT2-03		M	12" x 12" Beige Floor Tile with Gray Spots	Health Dept., Lab, S. Wall Behind Refrigerator	1	None Detected	Non-ACM	Good		N/A	
		M	Yellow Mastic		2	None Detected					
46	46-SC6-01	M	Black Sink Undercoating	Health Dept., Break Room, Under Sink	1	None Detected	Health Department Exam Rooms and Break Room	Non-ACM	Good	N/A	~7 Sinks
	46-SC6-02	M	Black Sink Undercoating	Health Dept., Exam 1, Under Sink	1	None Detected		Non-ACM	Good	N/A	
	46-SC6-03	M	Black Sink Undercoating	Health Dept., Exam 2, Under Sink	1	None Detected		Non-ACM	Good	N/A	
47	47-CT4-01	M	½ -inch Thick 2' x 4' Light Gray Ceiling Tile with "Galaxy" Pattern	Health Dept., Lab, E. Side Ceiling	1	None Detected	Health Department Lab, Break Room and Exam Rooms	Non-ACM	Good	N/A	~600 SF
	47-CT4-02	M	½ -inch Thick 2' x 4' Light Gray Ceiling Tile with "Galaxy" Pattern	Health Dept., Break Room, E. Side Ceiling	1	None Detected		Non-ACM	Good	N/A	
	47-CT4-03	M	½ -inch Thick 2' x 4' Light Gray Ceiling Tile with "Galaxy" Pattern	Health Dept., Exam 4, W. Side Ceiling	1	None Detected		Non-ACM	Good	N/A	
48	48-CT4-01	M	½ -inch Thick 2' x 4' Tan Ceiling Tile with Small Pinholes and Large Star Pinholes	Health Dept., Nursing Station, W. Side Ceiling	1	None Detected	Health Department Nursing Station	Non-ACM	Good	N/A	~12 SF
49	49-CA3-01	M	Off-White CMU Block Caulk	Health Dept., Nursing Station, W. Wall Between Windows, 3 Feet High	1	None Detected	Health Department, Nursing Station, West Wall	Non-ACM	Good	N/A	~1 LF
50	50-MJ4-01	T	1-inch Thick Off-White Mudded Joint Fitting Insulation	WIC West, Front Desk, SW Corner, 6" Roof Drain, 9 Feet High	1	1.8% - Chrysotile P.C.	WIC West, Roof Drain Running North, From the Front Office to the North Addition	RACM	Damaged	1	~ 12 each
	50-MJ4-02	T	1-inch Thick Off-White Mudded Joint Fitting Insulation	WIC West, Front Desk, SW Corner, 6" Roof Drain, 9 Feet High	1	1.4% - Chrysotile P.C.		RACM	Damaged	1	
	50-MJ4-03	T	1-inch Thick Off-White Mudded Joint Fitting Insulation	WIC West, Front Desk, At N. Wall Center, 6" Roof Drain, 9 Feet High	1	0.75% - Amosite P.C.		RACM	Damaged	1	
51	51-MA2-01	M	White CMU Block Sealant	2nd Floor Highway With Roof Access, S. Wall Center, 5 Feet High	1	None Detected	2nd Floor Highway With Roof Access, Walls	Non-ACM	Good	N/A	~250 SF
	51-MA2-02	M	White CMU Block Sealant	2nd Floor Hallway With Roof Access, N. Wall Center, 5 Feet High	1	None Detected		Non-ACM	Good	N/A	
	51-MA2-03	M	White CMU Block Sealant	2nd Floor Hallway With Roof Access, N. Wall Center, 1 Feet High	1	None Detected		Non-ACM	Good	N/A	

AHERA Assessment Category

1. Damaged/Significantly damaged TSI

2. Damaged friable surfacing ACBM

3. Significantly damaged friable surfacing ACBM

4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage

6. ACBM with potential for significant damage

7. Any remaining friable ACBM or friable suspected ACBM

No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
52	52-CT4-01	M	½-inch Thick 2' x 4' White Ceiling Tile with Chicken Feet Fissures and Pinholes	2nd Floor Conference Rooms, 20 Feet S. Of N. Wall, 8 Feet Ceiling	1	None Detected	2nd Floor Conference Rooms, 20 Feet South Of North Wall	Non-ACM	Good	N/A	~8 SF
53	53-CA7-01	M	Blue Fire Stop	WIC East, Clinical Room Hallway, N. Wall, 9 Feet High At Conduit Penetration	1	None Detected	WIC East, Clinical Room Hallway, North Wall, 9 Feet High At Conduit Penetration	Non-ACM	Good	N/A	~1 SF
54	54-FT2-01	M	12" x 12" Dark Tan Mottled Floor Tile	WIC East, Clinical Room, At Door	1	None Detected	WIC East Clinical Room	Non-ACM	Good	N/A	~150 SF
	54-FT2-02	M	12" x 12" Dark Tan Mottled Floor Tile	WIC East, Clinical Room, At N. Wall, NW Corner	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected		Non-ACM	Good	N/A	
	54-FT2-03	M	12" x 12" Dark Tan Mottled Floor Tile	WIC East, Clinical Room, At Door	1	None Detected		Non-ACM	Good	N/A	
		M	Yellow Mastic		2	None Detected		Non-ACM	Good	N/A	
55	55-RF8-01	M	Black Tar	South Entrance Canopy Roof, W. Side	1	None Detected	South Canopy Roof	Non-ACM	Good	N/A	~300 SF
		M	Tan Insulation		2	None Detected		Non-ACM	Good	N/A	
	55-RF8-02	M	Black Tar	South Entrance Canopy Roof, Center	1	None Detected		Non-ACM	Good	N/A	
		M	Tan Insulation		2	None Detected		Non-ACM	Good	N/A	
	55-RF8-03	M	Black Tar	South Entrance Canopy Roof, E. Side	1	None Detected		Non-ACM	Good	N/A	
		M	Tan Insulation		2	None Detected		Non-ACM	Good	N/A	
56	56-RF4-01	M	Black Roof Material	South Entrance Canopy Roof, NE Corner Flashing At Wall	1	2.1% - Chrysotile P.C.	South Canopy Roof	Category I non-friable	Good	N/A	~72 SF
		M	Black/White Shingle		2	None Detected		Non-ACM	Good	N/A	
	56-RF4-02	M	Black/White Roof Material	South Entrance Canopy Roof, NE Corner Flashing At Wall	1	2.0% - Chrysotile P.C.		Category I non-friable	Good	N/A	
	56-RF4-03	M	Black/White Roof Material	South Entrance Canopy Roof, NE Corner Flashing At Wall	1	1.7% - Chrysotile P.C.		Category I non-friable	Good	N/A	
57	57-CA3-01	M	Gray Wall Caulking	South Exterior Wall, 8 Feet East Of Door, 10 Feet High	1	3.7% - Chrysotile P.C.	On Vertical Seams of Second Floor South Exterior Concrete Walls	Category II non-friable	Good	N/A	~150 LF
	57-CA3-02	M	Gray Wall Caulking	South Exterior Wall, 5 Feet East Of Door, 10 Feet High	1	3.0% - Chrysotile		Category II non-friable	Good	N/A	
	57-CA3-03	M	Gray Wall Caulking	South Exterior Wall, 3 Feet East Of Door, 10 Feet High	1	3.5% - Chrysotile		Category II non-friable	Good	N/A	
58	58-SC1-01	M	White Window Glazing	South Exterior Window, 8 Feet East Of Door, 13 Feet High	1	1.7% - Chrysotile	2nd Floor South Lobby/Stairs, WIC East and WIC West, 2' x 5' Windows	Category II non-friable	Damaged	N/A	~36 Windows
	58-SC1-02	M	White Window Glazing	South Exterior Window, 5 Feet East Of Door, 13 Feet High	1	1.5% - Chrysotile		Category II non-friable	Damaged	N/A	
	58-SC1-03	M	White Window Glazing	South Exterior Window, 3 Feet East Of Door, 13 Feet High	1	1.5% - Chrysotile		Category II non-friable	Damaged	N/A	

AHERA Assessment Category

1. Damaged/Significantly damaged TSI

2. Damaged friable surfacing ACBM

3. Significantly damaged friable surfacing ACBM

4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage

6. ACBM with potential for significant damage

7. Any remaining friable ACBM or friable suspected ACBM

No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
59	59-CA3-01	M	Dark Gray Caulking	South Exterior Wall, 8 Feet East Of Door, 9.5 Feet High On Gutter	1	4.1% - Chrysotile	South Exterior on Gutters	Category II non-friable	Damaged	N/A	~25 LF
	59-CA3-02	M	Dark Gray Caulking	South Exterior Wall, 5 Feet East Of Door, 9.5 Feet High On Gutter	1	3.8% - Chrysotile		Category II non-friable	Damaged	N/A	
	59-CA3-03	M	White Caulk	South Exterior Wall, 3 Feet East Of Door, 9.5 Feet High On Gutter	1	3.5% - Chrysotile		Category II non-friable	Damaged	N/A	
60	60-RF8-01	M	Dark Gray Caulking	Elev. Mech. Room Roof, NE Corner	1	None Detected	Elevator Mechanical Room Roof	Non-ACM	Good	N/A	~80 SF
		M	White Sealant		2	None Detected					
		M	Tan Insulation		3	None Detected					
	60-RF8-02	M	Black Tar	Elev. Mech. Room Roof, N. Center	1	None Detected		Non-ACM	Good	N/A	
		M	White Sealant		2	None Detected					
		M	Tan Insulation		3	None Detected					
	60-RF8-03	M	Black Tar	Elev. Mech. Room Roof, SW Corner	1	None Detected		Non-ACM	Good	N/A	
		M	White Sealant		2	None Detected					
		M	Tan Insulation		3	None Detected					
61	61-RF4-01	M	Black Tar	Elev. Mech. Room Roof, E. Wall Flashing	1	None Detected	Elevator Mechanical Room Roof	Non-ACM	Good	N/A	~40 LF
		M	White Sealant		2	None Detected					
	61-RF4-02	M	Black Tar	Elev. Mech. Room Roof, N. Wall Flashing	1	None Detected		Non-ACM	Good	N/A	
		M	White Sealant		2	None Detected					
		M	Tan Insulation		3	None Detected					
	61-RF4-03	M	Black Tar	Elev. Mech. Room Roof W. Wall Flashing	1	None Detected		Non-ACM	Good	N/A	
		M	White Sealant		2	None Detected					
62	62-HP2-01	S	White Plaster Skimcoat	W. Entrance To Human Services, Entry Ceiling	1	None Detected	West Entrance To Human Services, Entry Ceiling	Non-ACM	Good	N/A	~12 SF
		JS	Light Tan Plaster		2	None Detected					
	62-HP2-02	S	White Plaster Skimcoat	W. Entrance To Human Services, Entry Ceiling, By Light	1	None Detected		Non-ACM	Good	N/A	
		S	Light Tan Plaster		2	None Detected					
	62-HP2-03	S	White Plaster Skimcoat	W. Entrance To Human Services, Entry Ceiling, By Light	1	None Detected		Non-ACM	Good	N/A	
		S	Light Tan Plaster		2	None Detected					

AHERA Assessment Category
1. Damaged/Significantly damaged TSI
2. Damaged friable surfacing ACBM
3. Significantly damaged friable surfacing ACBM
4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM
No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous



HA No.	Sample Number	Material Type	Material Description	Sample Location	Layer	Lab Results	HA Locations	NESHAP Classification	Condition	AHERA Assessment	Estimated Quantity
63	63-WB4-01	M	1-inch Thick Light Grey Sheetrock	West Entrance To Probation Department, Canopy Ceiling, northwest Corner	1	None Detected	West Entrance To Probation Department, Canopy Ceiling	Non-ACM	Good	N/A	~225 SF
		M	White Joint Compound		2	None Detected					
		M	Composite		3	None Detected					
	63-WB4-02	M	1-inch Thick Light Grey Sheetrock	West Entrance To Probation Department, Canopy Ceiling, northwest Corner	1	None Detected		Non-ACM	Good	N/A	
		M	White Joint Compound		2	None Detected					
		M	Composite		3	None Detected					
	63-WB4-03	M	White Compound Material	West Entrance To Probation Department, Canopy Ceiling, northwest Corner	1	None Detected		Non-ACM	Good	N/A	
		M	White Paint		2	None Detected					
64	64-CA3-01	M	Gray Wall Caulk	West Exterior Wall, Above Probation Department Canopy Roof	1	None Detected	West Exterior Wall Above Probation Department Canopy Roof	Non-ACM	Damaged	N/A	~90 LF
	64-CA3-02	M	Gray Wall Caulk	West Exterior Wall, Above Probation Department Canopy Roof	1	None Detected		Non-ACM	Damaged	N/A	
	64-CA3-03	M	Gray Wall Caulk	West Exterior Wall, Above Probation Department Canopy Roof	1	None Detected		Non-ACM	Damaged	N/A	
65	65-RF8-01	M	Black Tar	West Entrance To Probation Department, Canopy Roof, north side	1	None Detected	West Entrance to Probation Department on Canopy Roof	Non-ACM	Damaged	N/A	~225 SF
		M	Tan Insulation		2	None Detected					
	65-RF8-02	M	Black Tar	West Entrance To Probation Department, Canopy Roof, Center	1	None Detected		Non-ACM	Damaged	N/A	
		M	Tan Insulation		2	None Detected					
	65-RF8-03	M	Black Tar	West Entrance To Probation Dept., Canopy Roof, South Side	1	None Detected		Non-ACM	Damaged	N/A	
66	66-RF4-01	M	Black Tar	West Entrance To Probation Department, Canopy Roof, north Wall Flashing	1	None Detected	West Entrance to Probation Department on Canopy Roof	Non-ACM	Damaged	N/A	~225 SF
		M	Tan Insulation	West Entrance To Probation Department, Canopy Roof, north Wall Flashing	2	None Detected		Non-ACM	Damaged	N/A	
67	67-RF8-01	M	Black Tar	South Bldg. Roof, 15 Feet From S. Wall, Center	1	None Detected	1967 Building Roof Field	Non-ACM	Good	N/A	~7,200 SF
		M	Tan Insulation		2	None Detected					
		M	Yellow Foam		3	None Detected					
	67-RF8-02	M	Black Tar	South Bldg. Roof, 25 Feet From S. Wall, Center	1	None Detected		Non-ACM	Good	N/A	
	67-RF8-03	M	Black Tar	South Bldg. Roof, 35 Feet From S. Wall, Center	1	None Detected		Non-ACM	Good	N/A	
		M	Tan Insulation		2	None Detected					
68	68-RF4-01	M	Black/Silver Tar	South Bldg. Roof, South Parapet Wall Flashing, 20 Feet From E. Wall	1	None Detected	1967 Building Roof Perimeter Parapet Walls and Around Cooling Tower	Non-ACM	Good	N/A	~680 SF
	68-RF4-02	M	Black/Silver Tar	South Bldg. Roof, Cooling Tower Flashing, East Side	1	None Detected		Non-ACM	Good	N/A	
	68-RF4-03	M	Black/Silver Tar	South Bldg. Roof, North Parapet Wall Flashing, 20 Feet From E. Wall	1	None Detected		Non-ACM	Good	N/A	

AHERA Assessment Category
1. Damaged/Significantly damaged TSI
2. Damaged friable surfacing ACBM
3. Significantly damaged friable surfacing ACBM
4. Damaged or significantly damaged friable miscellaneous ACBM

5. ACBM with potential for damage
6. ACBM with potential for significant damage
7. Any remaining friable ACBM or friable suspected ACBM
No Damage – Material in good condition

Material Types: S=Surfacing; T=Thermal System; M=Miscellaneous

APPENDIX C

LEAD PAINT SAMPLE SUMMARY

LEAD PAINT SAMPLE SUMMARY

**205 East 6th Street
Loveland, Colorado**

Sample Number	Location	Component	Substrate	Color	Condition	Result (% by weight)
LP-01	Mechanical Room	Duct	Metal	Gray	Intact	Void
LP-02	Mechanical Room	Door Frame	Metal	Gray	Intact	0.14
LP-03	Mechanical Room Stairway	Handrail	Metal	Gray	Fair	1.7
LP-04	Mechanical Room Stairway	Wall	Concrete	White	Intact	0.42
LP-05	Probation Department Room 150	Ceiling Joist	Metal	Red	Intact	Void
LP-06	Probation Department Breakroom	Door Frame	Metal	Gray	Intact	Void
LP-07	Human Services Hallway Janitor's Closet	Door Frame	Metal	Brown	Intact	<0.020
LP-08	DMV Lobby	Stairs	Plaster	White	Intact	0.39
LP-09	DMV, Vehicle Licensing Storage Room, N. Wall	I-Beam	Metal	Red	Intact	Void
LP-10	2 nd Floor Lobby	Roof Deck	Wood	Light Gray	Intact	Void
LP-11	Health Department, Nursing Station Storage Room	Door Frame	Metal	Gray	Intact	<0.020
LP-12	2 nd Floor Roof Access	Wall	CMU Block	White	Intact	0.031
LP-13	2 nd Floor Roof Access	Ladder	Metal	White	Intact	0.072
LP-14	2 nd Floor Conference Rooms	I-Beam	Metal	Red	Intact	<0.017
LP-15	South Exterior Canopy	Post and Deck	Metal	White	Poor	0.32
LP-16	South Exterior, Outside Human Services	Column	Concrete	White	Fair	0.016
LP-17	West Entrance to Human Services	Door Frame	Metal	White	Fair	0.17
LP-18	North Exterior, Door to Probation Department Break Room	Door	Metal	White	Poor	<0.0067

Asbestos, Limited LCP and RBMs Survey205 East 6th Street ■ Loveland, Colorado

January 3, 2018 ■ Terracon Project No. 25177539



Sample Number	Location	Component	Substrate	Color	Condition	Result (% by weight)
LP-19	North Exterior	Stairs	Metal	White	Poor	<0.0061
LP-20	North Exterior Stairs	Handrail	Metal	White	Fair	<0.0056
LP-21	North Exterior	Column	Concrete	White	Poor	<0.0064

Intact	No visible damage or deterioration
Fair	Less than or equal to 10% of the total surface area of the component is deteriorated
Poor	More than 10% of the total surface area of the component is deteriorated
Void	Insufficient material for analysis
<	less than the indicated laboratory detection limit
Bold	exceeds EPA /HUD/CDPHE regulatory level for LBP

APPENDIX D

REGULATED BUILDING MATERIALS INVENTORY

REGULATED BUILDING MATERIALS INVENTORY

Project Name: Larimer County
Courthouse

Project Location: 205 East 6th Street, Loveland, Colorado

Project #: 25177539

Inspector(s) Kurt Streeb

Date: November 28- Dec. 1,
2017

Room #	EX	FL	HS	LB	MH	MV	EL	CE	CF	ME	MT	SD	TF	MG	FE	LS	RB	PT	RT	AF	MC	ST	Comments
Mechanical	XX	8	XX	XX	XX	XX	XX	1	1	3	XX	XX	XX	4	1	XX	XX	1	XX	1	6	XX	Telephone equipment, equipment panels
Mech. Hallway	XX	1	XX	XX	XX	XX	XX	XX	XX	XX	XX	1	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
Probation Wait Area and Janitor's Closet	XX	8	XX	16	XX	XX	XX	XX	XX	XX	XX	3	XX	XX	XX	XX	XX	XX	XX	XX	5	XX	Cleaning chemicals
Probation Break Room	XX	9	XX	18	XX	XX	1	1	2	XX	XX	2	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
Probation Janitor's Closet	XX	1	XX	2	XX	XX	XX	XX	XX	XX	XX	1	XX	XX	XX	XX	XX	1	XX	XX	XX	XX	Cleaning chemicals
Probation Offices	XX	18	XX	36	XX	XX	2	8	XX	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
Human Services	XX	11	XX	22	XX	XX	XX	XX	XX	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	Electrical panels
Human Services Hallway	XX	2	XX	4	XX	XX	1	2	XX	XX	XX	1	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
Human Services Bathrooms	XX	2	XX	4	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
Human Services Front Office	XX	3	XX	6	XX	XX	XX	2	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	

LIGHTING EQUIPMENT

EX - Exit Signs (Fluor. Lamps & Lead/NiCad Batteries)

FL - Fluorescent Lamps (Hg and Pb)

HS - High Pressure Sodium Lamp (Hg)

LB - PCB Containing Light Ballasts (through 1979)

MH - Metal Halide Lamps (Hg)

MV - Mercury Vapor Lamps (Hg)

EL - Emergency Light (Lead/NiCad Batteries)

ELECTRICAL/MECHANICAL EQUIPMENT

CE - Computer Equipment

CF - CFCs in Cooling/Refrigeration Equipment

ME - Mechanical Equipment Fluids

MG - Mercury Gauges/Thermometers

MT - Mercury Switch Thermostats (Hg)

SD - Smoke Detectors (radioactive mat)

TF -PCB Containing Transformer

OTHER MATERIALS

AF - Automotive Fluids (Gas, Oil, Transmission, etc)

RT - Rubber Tires

ST - Storage Tank/Vessel (fluids)

XX - None found in room

UK - Unknown

FE - Fire Extinguisher

LS - Lead Sheet/foil

MC - Misc Chemicals

PT - Paints/Thinners/Solvents/Chemicals

RB - Rechargeable Batteries

REGULATED BUILDING MATERIALS INVENTORY

Project Name: Larimer County
Courthouse

Project Location: 205 East 6th Street, Loveland, Colorado

Project #: 25177539

Inspector(s) Kurt Streeb

Date: November 28- Dec. 1, 2017

Room #	EX	FL	HS	LB	MH	MV	EL	CE	CF	ME	MT	SD	TF	MG	FE	LS	RB	PT	RT	AF	MC	ST	Comments
DMV Lobby	XX	10	XX	20	XX	XX	1	XX	XX	XX	XX	2	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
DMV, Vehicle Licensing	XX	32	XX	64	XX	XX	XX	16	XX	XX	XX	5	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
2 nd Floor Lobby	XX	12	XX	24	XX	XX	1	4	XX	XX	XX	1	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
WIC West	XX	23	XX	46	XX	XX	1	9	XX	XX	XX	4	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
Health Department	XX	20	XX	40	XX	XX	XX	3	2	XX	XX	2	XX	XX	1	XX	XX	XX	XX	XX	2	XX	Medical waste and chemicals vaccine refrigerators
WIC West Hallway	XX	9	XX	18	XX	XX	XX	XX	XX	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
Conference Rooms A & B and hallway	XX	11	XX	22	XX	XX	2	1	XX	XX	XX	5	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
2 nd Floor Stairwell	XX	2	XX	4	XX	XX	1	XX	XX	XX	XX	2	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
Conference Rooms	XX	31	XX	62	XX	XX	3	13	XX	XX	1	4	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
WIC East	XX	12	XX	24	XX	XX	XX	7	XX	XX	XX	1	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	

LIGHTING EQUIPMENT

EX - Exit Signs (Fluor. Lamps & Lead/NiCad Batteries)

FL - Fluorescent Lamps (Hg and Pb)

HS - High Pressure Sodium Lamp (Hg)

LB - PCB Containing Light Ballasts (through 1979)

MH - Metal Halide Lamps (Hg)

MV - Mercury Vapor Lamps (Hg)

EL - Emergency Light (Lead/NiCad Batteries)

ELECTRICAL/MECHANICAL EQUIPMENT

CE - Computer Equipment

CF - CFCs in Cooling/Refrigeration Equipment

ME - Mechanical Equipment Fluids

MG - Mercury Gauges/Thermometers

MT - Mercury Switch Thermostats (Hg)

SD - Smoke Detectors (radioactive mat)

TF - PCB Containing Transformer

OTHER MATERIALS

AF - Automotive Fluids (Gas, Oil, Transmission, etc)

RT - Rubber Tires

ST - Storage Tank/Vessel (fluids)

FE - Fire Extinguisher

XX - None found in room

LS - Lead Sheet/foil

UK - Unknown

MC - Misc Chemicals

PT - Paints/Thinners/Solvents/Chemicals

RB - Rechargeable Batteries

REGULATED BUILDING MATERIALS INVENTORY

Project Name: Larimer County
Courthouse

Project Location: 205 East 6th Street, Loveland, Colorado

Project #: 25177539

Inspector(s) Kurt Streeb

Date: November 28- Dec. 1, 2017

Room #	EX	FL	HS	LB	MH	MV	EL	CE	CF	ME	MT	SD	TF	MG	FE	LS	RB	PT	RT	AF	MC	ST	Comments
WIC East Clinical/Offices	XX	31	XX	62	XX	XX	3	13	XX	XX	1	4	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	Medical waste
WIC East Interview Rooms	XX	12	XX	24	XX	XX	7	XX	XX	XX	XX	1	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	
Exterior	XX	XX	XX	XX	XX	5	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
Roof	XX	XX	XX	XX	XX	XX	XX	XX	6	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	
Elevator Mechanical Room	XX	2	XX	1	XX	XX	XX	XX	XX	XX	XX	1	XX	XX	XX	XX	XX	XX	XX	XX	XX	1	Hydraulic oil

LIGHTING EQUIPMENT

- EX - Exit Signs (Fluor. Lamps & Lead/NiCad Batteries)
- FL - Fluorescent Lamps (Hg and Pb)
- HS - High Pressure Sodium Lamp (Hg)
- LB - PCB Containing Light Ballasts (through 1979)
- MH - Metal Halide Lamps (Hg)
- MV - Mercury Vapor Lamps (Hg)
- EL - Emergency Light (Lead/NiCad Batteries)

ELECTRICAL/MECHANICAL EQUIPMENT

- CE - Computer Equipment
- CF - CFCs in Cooling/Refrigeration Equipment
- ME - Mechanical Equipment Fluids
- MG - Mercury Gauges/Thermometers
- MT - Mercury Switch Thermostats (Hg)
- SD - Smoke Detectors (radioactive mat)
- TF -PCB Containing Transformer

OTHER MATERIALS

- AF - Automotive Fluids (Gas, Oil, Transmission, etc)
- RT - Rubber Tires
- ST - Storage Tank/Vessel (fluids)
- XX - None found in room
- UK - Unknown
- FE - Fire Extinguisher
- LS - Lead Sheet/foil
- MC - Misc Chemicals
- PT - Paints/Thinners/Solvents/Chemicals
- RB - Rechargeable Batteries

APPENDIX E

ASBESTOS LABORATORY ANALYTICAL DATA

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

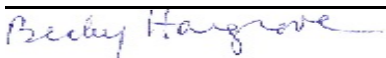
Client: TER780

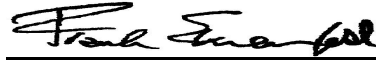
Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403068 Client No.: 01-FT2-01	Analyst Observation: Grey Floor Tile Client Description:	Location: Mech/Elec. Room, SE Corner By Door Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403069 Client No.: 01-FT2-02	Analyst Observation: Grey Floor Tile Client Description:	Location: Mech/Elec. Room, W. Wall, 5 Ft. From S. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403069(L2) Client No.: 01-FT2-02	Analyst Observation: Black Mastic Client Description:	Location: Mech/Elec. Room, W. Wall, 5 Ft. From S. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403070 Client No.: 01-FT2-03	Analyst Observation: Grey Floor Tile Client Description:	Location: Mech/Elec. Room, NE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403070(L2) Client No.: 01-FT2-03	Analyst Observation: Black Mastic Client Description:	Location: Mech/Elec. Room, NE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403071 Client No.: 02-MG3-01	Analyst Observation: Tan Mastic Client Description:	Location: Mech/Elec. Room, SE Corner By Door Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

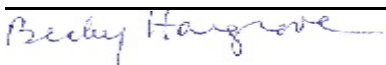
Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

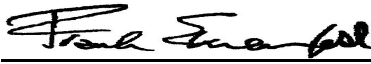
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403072 Client No.: 02-MG3-02	Analyst Observation: Tan Mastic Client Description:	Location: Mech/Elec. Room, N. Wall 5 Ft. From West Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403073 Client No.: 02-MG3-03	Analyst Observation: Tan Mastic Client Description:	Location: Mech/Elec. Room, W. Wall 3 Ft. From North Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403074 Client No.: 03-WB1-01	Analyst Observation: Grey/Tan Sheetrock Client Description:	Location: Mech/Elec. Room, Lower Ceiling, 2 Ft. From N Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 1 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 59
Lab No.: 6403074(L2) Client No.: 03-WB1-01	Analyst Observation: White Joint Compound Client Description:	Location: Mech/Elec. Room, Lower Ceiling, 2 Ft. From N Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403074(L3) Client No.: 03-WB1-01	Analyst Observation: Composite Client Description:	Location: Mech/Elec. Room, Lower Ceiling, 2 Ft. From N Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403075
Client No.: 03-WB1-02

Analyst Observation: Grey/Tan Sheetrock
Client Description:

Location: Mech/Elec. Room, Lower
Ceiling, 4 Ft. From N

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
20 Cellulose
2 Fibrous Glass

Facility:
Percent Non-Fibrous Material:
78

Lab No.: 6403075(L2)
Client No.: 03-WB1-02

Analyst Observation: White Joint Compound
Client Description:

Location: Mech/Elec. Room, Lower
Ceiling, 4 Ft. From N

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403075(L3)
Client No.: 03-WB1-02

Analyst Observation: Composite
Client Description:

Location: Mech/Elec. Room, Lower
Ceiling, 4 Ft. From N

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403076
Client No.: 03-WB1-03

Analyst Observation: White Joint Compound
Client Description:

Location: Mech/Elec. Room, N. Wall By
Door

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403077
Client No.: 04-HP2-01

Analyst Observation: White Plaster
Client Description:

Location: Mech/Elec. Room, E. Wall,
Inside Conduit Chase

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403077(L2)
Client No.: 04-HP2-01

Analyst Observation: Beige Plaster
Client Description:

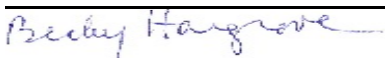
Location: Mech/Elec. Room, E. Wall,
Inside Conduit Chase

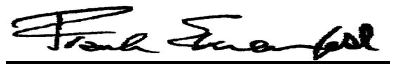
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

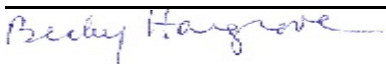
CERTIFICATE OF ANALYSIS

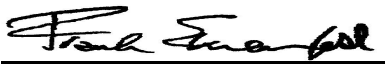
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403078 Client No.: 04-HP2-02	Analyst Observation: White Plaster Client Description:	Location: Mech. Room, Column 14 Ft. From E, 6 Ft. High Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 6403079 Client No.: 04-HP2-03	Analyst Observation: White Plaster Client Description:	Location: WIC West, Exam Room 6, W. Wall Above Ceiling Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 6403079(L2) Client No.: 04-HP2-03	Analyst Observation: Beige Plaster Client Description:	Location: WIC West, Exam Room 6, W. Wall Above Ceiling Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
Lab No.: 6403080 Client No.: 05-MI4-01	Analyst Observation: Grey/Brown Insulation Client Description:	Location: Mech. Room, On Duct 7 Ft. From East, 2 Ft. From N. Wall Facility: Percent Non-Fibrous Material: 5
<u>Percent Asbestos:</u> <i>40 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 15 Fibrous Glass	
Lab No.: 6403081 Client No.: 05-MI4-02	Analyst Observation: Grey/Silver Insulation Client Description:	Location: Mech. Room, On Duct 6 Ft. From W, 2 Ft. From N Facility: Percent Non-Fibrous Material: 20
<u>Percent Asbestos:</u> <i>40 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose	
Lab No.: 6403082 Client No.: 05-MI4-03	Analyst Observation: Grey/Silver/Tan Insulation Client Description:	Location: Mech. Room, On Duct 11 Ft. From W, 3 Ft. From Column, 10 Ft. High Facility: Percent Non-Fibrous Material: 25
<u>Percent Asbestos:</u> <i>20 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 55 Cellulose	

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Client: TER780

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403083
Client No.: 06-MI4-01
Analyst Observation: Tan/Black Insulation
Client Description:
Location: Mech. Room, Inside Duct, 3 Ft. From S, 4 Ft. From W, 8 Ft. High
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 80 Fibrous Glass
Percent Non-Fibrous Material: 20

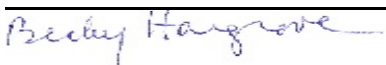
Lab No.: 6403084
Client No.: 06-MI4-02
Analyst Observation: Tan/Black Insulation
Client Description:
Location: Mech. Room, Inside Duct, 3 Ft. From S, 4 Ft. From W, 8 Ft. High
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 80 Fibrous Glass
Percent Non-Fibrous Material: 20

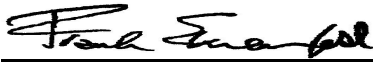
Lab No.: 6403085
Client No.: 06-MI4-03
Analyst Observation: Tan/Black Insulation
Client Description:
Location: Mech. Room, Inside Duct, 3 Ft. From S, 4 Ft. From W, 8 Ft. High
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 80 Fibrous Glass
Percent Non-Fibrous Material: 20

Lab No.: 6403086
Client No.: 07-WP1-01
Analyst Observation: Grey Vibration Dampener
Client Description:
Location: Mech. Room, On AHU, 12 Ft. From W, 10 Ft. High
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 85 Cellulose
Percent Non-Fibrous Material: 15

Lab No.: 6403087
Client No.: 08-CT4-01
Analyst Observation: Grey/White Ceiling Tile
Client Description:
Location: WIC West, Exam Rm. 6, Ceiling 4 Ft. From Door
Facility:
Percent Asbestos: *None Detected*
Percent Non-Asbestos Fibrous Material: 50 Cellulose
30 Fibrous Glass
Percent Non-Fibrous Material: 20

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

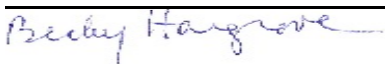
Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

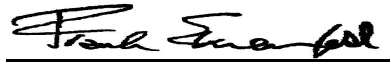
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403088 Client No.: 09-CT4-01	Analyst Observation: Grey/White Ceiling Tile Client Description:	Location: WIC West, Exam Rm. 6, On Top Of Light Fixture Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose 60 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403089 Client No.: 10-CT4-01	Analyst Observation: Grey/White Ceiling Tile Client Description:	Location: WIC West, Exam Rm. 6, Ceiling 4 Ft. From S Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Cellulose 30 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403090 Client No.: 11-MG3-01	Analyst Observation: Tan Mastic Client Description:	Location: WIC West, Exam Rm. 6, N. Wall Adj. Door Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403091 Client No.: 12-PL5-01	Analyst Observation: White Texture Client Description:	Location: WIC West, Exam Rm. 6, N. Wall Adj. Door Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403092 Client No.: 13-FT4-01	Analyst Observation: Tan Mastic Client Description:	Location: WIC West, Exam Rm. 6, SE Corner, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

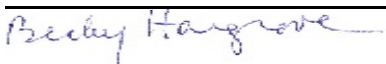
CERTIFICATE OF ANALYSIS

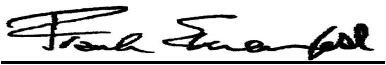
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403093 Client No.: 14-SC6-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Sink Undercoating Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 25 Cellulose	Location: WIC West, Exam Rm. 6, W. Wall Under Sink Facility: <u>Percent Non-Fibrous Material:</u> 75
Lab No.: 6403094 Client No.: 15-CT4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey/White Ceiling Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	Location: WIC West, W. Hallway Near WIC 1/Staff, Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403095 Client No.: 01-FT2-04 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey Floor Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: WIC West, Hallway Adj. Exam Rm 5, Under Carpet Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403095(L2) Client No.: 01-FT2-04 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Black Mastic Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Synthetic	Location: WIC West, Hallway Adj. Exam Rm 5, Under Carpet Facility: <u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403096 Client No.: 16-FT4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Mastic Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: WIC West, W. Hallway Adj. Exam Rm. 5, Under Carpet Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403097 Client No.: 17-FT1-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey Floor Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: WIC West, Office Near Exam Rm. 5, Under Carpet Facility: <u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Rebecca Hargrove

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403097(L2)
Client No.: 17-FT1-01

Analyst Observation: Tan Mastic
Client Description:

Location: WIC West, Office Near Exam
Rm. 5, Under Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403097(L3)
Client No.: 17-FT1-01

Analyst Observation: Black Mastic
Client Description:

Location: WIC West, Office Near Exam
Rm. 5, Under Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Synthetic

Facility:
Percent Non-Fibrous Material:
90

Lab No.: 6403098
Client No.: 17-FT1-02

Analyst Observation: Grey Floor Tile
Client Description:

Location: WIC West, Office Near Exam
Rm. 5, Under Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403098(L2)
Client No.: 17-FT1-02

Analyst Observation: Black Mastic
Client Description:

Location: WIC West, Office Near Exam
Rm. 5, Under Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Synthetic

Facility:
Percent Non-Fibrous Material:
90

Lab No.: 6403099
Client No.: 17-FT1-03

Analyst Observation: Grey Floor Tile
Client Description:

Location: WIC West, Office Near Exam Rm
5, Under Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403099(L2)
Client No.: 17-FT1-03

Analyst Observation: Tan Mastic
Client Description:

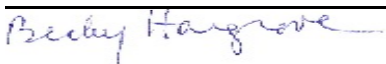
Location: WIC West, Office Near Exam Rm
5, Under Carpet

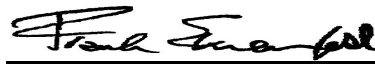
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

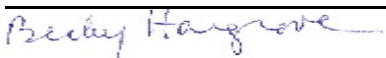
CERTIFICATE OF ANALYSIS

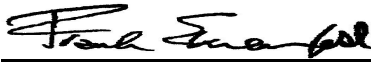
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403099(L3) Client No.: 17-FT1-03	Analyst Observation: Black Mastic Client Description:	Location: WIC West, Office Near Exam Rm 5, Under Carpet Facility: Percent Non-Fibrous Material: 90
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 10 Synthetic	
Lab No.: 6403100 Client No.: 18-MJ4-01	Analyst Observation: Off-White Insulation Client Description:	Location: Mech. Room, W. Wall, 5" Cold Water Riser, 7 Ft. From N, 5 Ft. High Facility: Percent Non-Fibrous Material: 39.75
Percent Asbestos: <i>PC 0.25 Amosite</i>	Percent Non-Asbestos Fibrous Material: 50 Fibrous Glass 10 Cellulose	
Lab No.: 6403101 Client No.: 18-MJ4-02	Analyst Observation: Off-White/Grey Insulation Client Description:	Location: Mech. Room, 3 1/2" Hot Water Supply Line, Between Boiler And AHU, 7 Ft. High Facility: Percent Non-Fibrous Material: 48.8
Percent Asbestos: <i>PC 1.2 Amosite</i>	Percent Non-Asbestos Fibrous Material: 40 Fibrous Glass 10 Cellulose	
Lab No.: 6403102 Client No.: 18-MJ4-03	Analyst Observation: Off-White/Grey Insulation Client Description:	Location: Mech. Room, 5" Hot Water Supply Line, W. Wall, 6 Ft. From S, 2 Ft. High Facility: Percent Non-Fibrous Material: 38.5
Percent Asbestos: <i>PC 1.5 Amosite</i>	Percent Non-Asbestos Fibrous Material: 50 Fibrous Glass 10 Cellulose	
Lab No.: 6403103 Client No.: 19-SC5-01	Analyst Observation: White Coating Client Description:	Location: Mech. Room, Heating Supply Pipe To Boiler, W. Side Facility: Percent Non-Fibrous Material: 95
Percent Asbestos: <i>None Detected</i>	Percent Non-Asbestos Fibrous Material: 5 Cellulose	

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

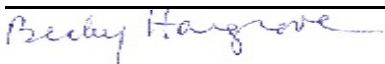
Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

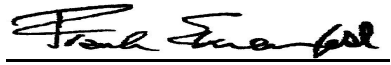
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403104 Client No.: 19-SC5-02	Analyst Observation: White Coating Client Description:	Location: Mech. Room, NW Corner, W. Side Of AHU Near HW Tank, 2 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403105 Client No.: 19-SC5-03	Analyst Observation: White Coating Client Description:	Location: Mech. Room, NW Corner, Base Of HW Tank Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403106 Client No.: 20-SC5-01	Analyst Observation: Beige Sealant Client Description:	Location: Mech. Room, W. Side Of AHU, 5 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403107 Client No.: 20-SC5-02	Analyst Observation: Beige Sealant Client Description:	Location: Mech. Room, W. Side Of AHU, 4 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403108 Client No.: 20-SC5-03	Analyst Observation: Beige Sealant Client Description:	Location: Mech. Room, W. Side Of AHU, 2 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403109 Client No.: 21-FT2-01	Analyst Observation: Lt Blue Floor Tile Client Description:	Location: Mech. Room Hallway, SE Corner Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

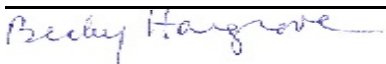
CERTIFICATE OF ANALYSIS

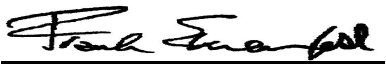
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403109(L2) Client No.: 21-FT2-01	Analyst Observation: Black Mastic Client Description:	Location: Mech. Room Hallway, SE Corner Under Carpet Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403110 Client No.: 22-MG3-01	Analyst Observation: Tan Mastic Client Description:	Location: Mech. Room Hallway, S. Wall, SE Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403111 Client No.: 22-MG3-02	Analyst Observation: Tan Mastic Client Description:	Location: Prob. Dept. Waiting Area, NW Corner By Exit Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403111(L2) Client No.: 22-MG3-02	Analyst Observation: Off-White Mastic Client Description:	Location: Prob. Dept. Waiting Area, NW Corner By Exit Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403112 Client No.: 21-FT2-02	Analyst Observation: Lt Blue Floor Tile Client Description:	Location: Prob. Dept. Waiting Area, Jan Closet, SE Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403112(L2) Client No.: 21-FT2-02	Analyst Observation: Black Mastic Client Description:	Location: Prob. Dept. Waiting Area, Jan Closet, SE Corner Facility: <u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Rebecca Hargrove

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

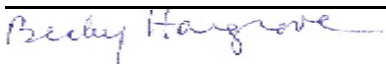
CERTIFICATE OF ANALYSIS

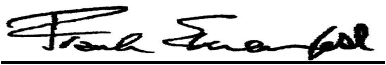
Client: Terracon 10625 W, I-70,Frontage Rd. N,Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403113 Client No.: 08-CT4-02	Analyst Observation: Grey/White Ceiling Tile Client Description:	Location: Prob. Dept., E. Hallway, Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403114 Client No.: 23-FT4-01	Analyst Observation: Brown Mastic Client Description:	Location: Prob. Dept. Rm. 150, S. Wall At Door, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403115 Client No.: 24-FT4-01	Analyst Observation: Off-White Mastic Client Description:	Location: Prob. Dept. Rm. 150, N. Wall, 8 Ft From E, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403116 Client No.: 15-CT4-02	Analyst Observation: Grey/White Ceiling Tile Client Description:	Location: Prob. Dept. Waiting Area, Near Rm. 150, Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403117 Client No.: 25-WB1-01	Analyst Observation: Grey/Tan Sheetrock Client Description:	Location: Prob. Dept., E. Hallway, N. Wall, 2 Ft From W., 9 FT High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose	<u>Percent Non-Fibrous Material:</u> 40
Lab No.: 6403117(L2) Client No.: 25-WB1-01	Analyst Observation: White Joint Compound Client Description:	Location: Prob. Dept., E. Hallway, N. Wall, 2 Ft From W., 9 FT High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Rebecca Hargrove

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403117(L3)
Client No.: 25-WB1-01

Analyst Observation: Composite
Client Description:

Location: Prob. Dept., E. Hallway, N. Wall,
2 Ft From W., 9 FT High

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403118
Client No.: 14-SC6-02

Analyst Observation: Off-White Sink Undercoating
Client Description:

Location: Prob. Dept. Rm. 150, Under Sink
Facility:

Percent Asbestos:
None Detected

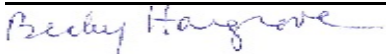
Percent Non-Asbestos Fibrous Material:
20 Cellulose

Percent Non-Fibrous Material:
80

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

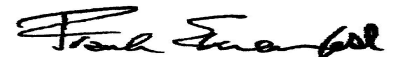
Date Received: 12/8/2017

Date Analyzed: 12/12/2017

Signature: 

Analyst: Rebecca Hargrove

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

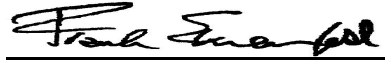
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403119 Client No.: 26-PL5-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Sheetrock Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Waiting Area, N. Wall At Door To Rm. 165 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403119(L2) Client No.: 26-PL5-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Waiting Area, N. Wall At Door To Rm. 165 Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403120 Client No.: 26-PL5-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Sheetrock Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Rm. 150, W. Wall, NW Corner, 9 Ft High Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403120(L2) Client No.: 26-PL5-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Rm. 150, W. Wall, NW Corner, 9 Ft High Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403121 Client No.: 26-PL5-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Sheetrock Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. E. Hallway, S. Wall By Door, 9 Ft High Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403121(L2) Client No.: 26-PL5-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. E. Hallway, S. Wall By Door, 9 Ft High Facility: <u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Nick Daigle

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director


CERTIFICATE OF ANALYSIS

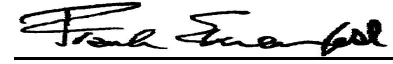
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403122 Client No.: 08-CT4-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Ceiling Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 30 Cellulose	Location: Prob. Dept. Break Room, Corner At Bathroom, Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 70
Lab No.: 6403123 Client No.: 26-PL5-04 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Sheetrock Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Break Room, Corner At Bathroom, 9 Ft High Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403123(L2) Client No.: 26-PL5-04 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Break Room, Corner At Bathroom, 9 Ft High Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403124 Client No.: 27-SC6-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey Sink Undercoating Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. S. Wall, Under Sink Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403125 Client No.: 28-FT2-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey Floor Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Break Room Hallway, S. Wall Across From Exit Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403126 Client No.: 28-FT2-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey Floor Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Prob. Dept. Break Room, At S. Door Facility: <u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Nick Daigle

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director


CERTIFICATE OF ANALYSIS

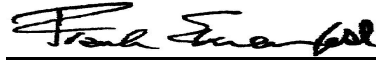
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403126(L2) Client No.: 28-FT2-02	Analyst Observation: Yellow Mastic Client Description:	Location: Prob. Dept. Break Room, At S. Door Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
<hr style="border-top: 1px dashed black;"/>		
Lab No.: 6403127 Client No.: 28-FT2-03	Analyst Observation: Grey Floor Tile Client Description:	Location: Prob. Dept. Break Room, NE Corner Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
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Lab No.: 6403127(L2) Client No.: 28-FT2-03	Analyst Observation: Yellow Mastic Client Description:	Location: Prob. Dept. Break Room, NE Corner Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
<hr style="border-top: 1px dashed black;"/>		
Lab No.: 6403128 Client No.: 29-FT2-01	Analyst Observation: Blue Floor Tile Client Description:	Location: Prob. Dept. Break Room, At S. Door Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
<hr style="border-top: 1px dashed black;"/>		
Lab No.: 6403128(L2) Client No.: 29-FT2-01	Analyst Observation: Yellow Mastic Client Description:	Location: Prob. Dept. Break Room, At S. Door Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	
<hr style="border-top: 1px dashed black;"/>		
Lab No.: 6403129 Client No.: 30-FT2-01	Analyst Observation: White Floor Tile Client Description:	Location: Prob. Dept. Break Room, W. Wall At Bathroom Facility: Percent Non-Fibrous Material: 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Nick Daigle

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403129(L2) **Analyst Observation:** Yellow Mastic **Location:** Prob. Dept. Break Room, W. Wall
Client No.: 30-FT2-01 **Client Description:** At Bathroom

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected None Detected Percent Non-Fibrous Material:
100

Lab No.: 6403130 **Analyst Observation:** Yellow Mastic **Location:** Prob. Dept. Break Room
Client No.: 22-MG3-03 **Client Description:** Hallway, S. Wall Across From Exit

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected None Detected Percent Non-Fibrous Material:
100

Lab No.: 6403131 **Analyst Observation:** Yellow Mastic **Location:** Prob. Dept. E. Janitor's Closet, N.
Client No.: 26-PL5-05 **Client Description:** Wall By Door

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected None Detected Percent Non-Fibrous Material:
100

Lab No.: 6403132 **Analyst Observation:** Grey Mastic **Location:** Prob. Dept. Room 165, At Door
Client No.: 24-FT4-02 **Client Description:** To Break Room Hallway, Under Carpet

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected None Detected Percent Non-Fibrous Material:
100


Lab No.: 6403133 **Analyst Observation:** Pink Ceiling Tile **Location:** Human Services, N. Center
Client No.: 31-CT4-01 **Client Description:** Room, Ceiling

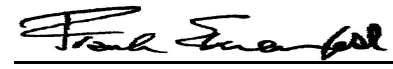
Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected 60 Fibrous Glass Percent Non-Fibrous Material:
40

Lab No.: 6403134 **Analyst Observation:** Pink Ceiling Tile **Location:** Human Services, SE Hallway,
Client No.: 31-CT4-02 **Client Description:** Ceiling

Percent Asbestos: Percent Non-Asbestos Fibrous Material: Facility:
None Detected 60 Fibrous Glass Percent Non-Fibrous Material:
40

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403135	Analyst Observation: Pink Ceiling Tile	Location: Human Services, South Small Storage Room, Ceiling
Client No.: 31-CT4-03	Client Description:	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	60 Fibrous Glass	40

Lab No.: 6403136	Analyst Observation: Yellow Mastic	Location: Human Services, N. Center Room At Door, Under Carpet
Client No.: 13-FT4-02	Client Description:	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100


Lab No.: 6403137	Analyst Observation: Yellow Mastic	Location: Human Services, N. Center Room, N. Wall At Door
Client No.: 11-MG3-02	Client Description:	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

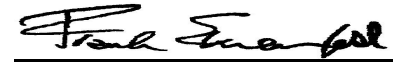
Lab No.: 6403138	Analyst Observation: White Floor Coating	Location: Human Services, N. Center Room, N. Wall At Door, Under Carpet
Client No.: 32-FC6-01	Client Description:	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6403139	Analyst Observation: Yellow Mastic	Location: Human Services, Room F, W. Wall
Client No.: 34-MG3-01	Client Description:	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Lab No.: 6403140	Analyst Observation: White Floor Coating	Location: Human Services, South Small Storage Room, E. Wall, 9 Ft. High
Client No.: 12-PL5-02	Client Description:	Facility:
<u>Percent Asbestos:</u>	<u>Percent Non-Asbestos Fibrous Material:</u>	<u>Percent Non-Fibrous Material:</u>
<i>None Detected</i>	None Detected	100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033


Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

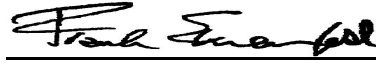
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403141 Client No.: 35-MJ4-01	Analyst Observation: White Insulation Client Description:	Location: Human Services, Room F, 3" Pipe Near E. Wall, 10 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403142 Client No.: 35-MJ4-02	Analyst Observation: White Insulation Client Description:	Location: Human Services, 2" Pipe, N. Hallway Above Door To N. Center Room, 10 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403143 Client No.: 35-MJ4-03	Analyst Observation: White Insulation Client Description:	Location: Human Services, 1 1/2" Pipe, N. Hallway Above Door TO N. Center Room, 10 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403144 Client No.: 04-HP2-04	Analyst Observation: Brown Plaster Client Description:	Location: Human Services, E. Hallway, E. Wall, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403144(L2) Client No.: 04-HP2-04	Analyst Observation: White Plaster Client Description:	Location: Human Services, E. Hallway, E. Wall, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

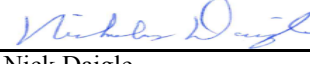
Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

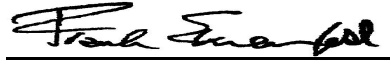
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403145 Client No.: 04-HP2-05	Analyst Observation: Brown Plaster Client Description:	Location: Human Services, N. Hallway, S. Wall 4 Ft. From DMV Waiting Area Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403145(L2) Client No.: 04-HP2-05	Analyst Observation: White Plaster Client Description:	Location: Human Services, N. Hallway, S. Wall 4 Ft. From DMV Waiting Area Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403146 Client No.: 12-PL5-03	Analyst Observation: White Sheetrock Client Description:	Location: Human Services, N. Hallway Jan. Closet, E. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403146(L2) Client No.: 12-PL5-03	Analyst Observation: White Texture Client Description:	Location: Human Services, N. Hallway Jan. Closet, E. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403147 Client No.: 04-HP2-06	Analyst Observation: White Plaster Client Description:	Location: DMV Waiting Area, Ceiling Under Stairs Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403148 Client No.: 21-FT2-03	Analyst Observation: Lt Green Floor Tile Client Description:	Location: DMV Waiting Area, Adjacent To S. Door, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403148(L2)
Client No.: 21-FT2-03

Analyst Observation: Black Mastic
Client Description:

Location: DMV Waiting Area, Adjacent To
S. Door, Under Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403148(L3)
Client No.: 21-FT2-03

Analyst Observation: Grey Leveling Compound
Client Description:

Location: DMV Waiting Area, Adjacent To
S. Door, Under Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403149
Client No.: 36-FT2-01

Analyst Observation: White Floor Tile
Client Description:

Location: DMV Waiting Area, E. Wall By
S. Door, Under Dark Teal Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403149(L2)
Client No.: 36-FT2-01

Analyst Observation: Yellow Mastic
Client Description:

Location: DMV Waiting Area, E. Wall By
S. Door, Under Dark Teal Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403150
Client No.: 37-FT2-01

Analyst Observation: Beige Floor Tile
Client Description:

Location: DMV Waiting Area, E. Wall Near
S. Door, Under Dark Teal Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403150(L2)
Client No.: 37-FT2-01

Analyst Observation: Black Mastic
Client Description:

Location: DMV Waiting Area, E. Wall Near
S. Door, Under Dark Teal Carpet

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

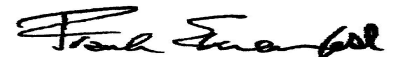
Date Received: 12/8/2017

Date Analyzed: 12/12/2017

Signature:

Analyst: Nick Daigle

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403151
Client No.: 36-FT2-02

Analyst Observation: Tan Floor Tile
Client Description:

Location: DMV Waiting Area, E. Wall Near
S. Door, Under Dark Teal Carpet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403151(L2)
Client No.: 36-FT2-02

Analyst Observation: Yellow Mastic
Client Description:

Location: DMV Waiting Area, E. Wall Near
S. Door, Under Dark Teal Carpet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403152
Client No.: 36-FT2-03

Analyst Observation: Tan Floor Tile
Client Description:

Location: DMV Waiting Area, NE Corner
Under Teal Carpet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403152(L2)
Client No.: 36-FT2-03

Analyst Observation: Yellow Mastic
Client Description:

Location: DMV Waiting Area, NE Corner
Under Teal Carpet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403152(L3)
Client No.: 36-FT2-03

Analyst Observation: Grey Leveling Compound
Client Description:

Location: DMV Waiting Area, NE Corner
Under Teal Carpet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403152(L4)
Client No.: 36-FT2-03

Analyst Observation: White Grout
Client Description:

Location: DMV Waiting Area, NE Corner
Under Teal Carpet
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

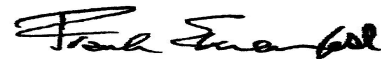
Date Received: 12/8/2017

Date Analyzed: 12/12/2017

Signature:

Analyst: Nick Daigle

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

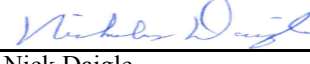
Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

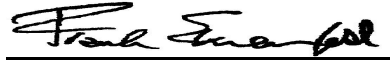
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403153 Client No.: 37-FT2-02	Analyst Observation: Tan Floor Tile Client Description:	Location: DMV Waiting Area, E. Wall Near S. Door, Under Dark Teal Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403153(L2) Client No.: 37-FT2-02	Analyst Observation: Black Mastic Client Description:	Location: DMV Waiting Area, E. Wall Near S. Door, Under Dark Teal Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403154 Client No.: 37-FT2-03	Analyst Observation: Tan Floor Tile Client Description:	Location: DMV Waiting Area, NE Corner Under Teal Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403154(L2) Client No.: 37-FT2-03	Analyst Observation: Black Mastic Client Description:	Location: DMV Waiting Area, NE Corner Under Teal Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403155 Client No.: 38-PL5-01	Analyst Observation: White Plaster Client Description:	Location: DMV Waiting Area, E. Wall By S. Door, 8 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403156 Client No.: 38-PL5-02	Analyst Observation: White Plaster Client Description:	Location: DMV Waiting Area, E. Wall Between S. And N. Door, 8 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Nick Daigle

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403157 Client No.: 38-PL5-03	Analyst Observation: White Plaster Client Description:	Location: DMV Waiting Area, E. Wall Above N. Door, 8 Ft. High Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Lab No.: 6403158 Client No.: 39-MG3-01	Analyst Observation: White Mastic Client Description:	Location: DMV Waiting Area RR, E. Wall By Door Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	


Lab No.: 6403159 Client No.: 39-MG3-02	Analyst Observation: White Mastic Client Description:	Location: DMV Waiting Area RR, W. Wall Center Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

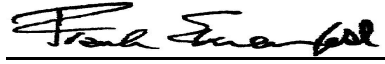
Lab No.: 6403160 Client No.: 39-MG3-03	Analyst Observation: White Mastic Client Description:	Location: DMV Waiting Area RR, S. Wall Center Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Lab No.: 6403161 Client No.: 40-PL5-01	Analyst Observation: Green/White Paint Client Description:	Location: DMV Waiting Area RR, E. Wall By Door Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Lab No.: 6403162 Client No.: 40-PL5-02	Analyst Observation: Brown Sheetrock Client Description:	Location: DMV Waiting Area RR, W. Wall Center Facility: <u>Percent Non-Fibrous Material:</u> 100
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Nick Daigle

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon 10625 W, I-70,Frontage Rd. N,Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403163 Client No.: 40-PL5-03	Analyst Observation: White Plaster Client Description:	Location: DMV Waiting Area RR, S. Wall Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 6403163(L2) Client No.: 40-PL5-03	Analyst Observation: White/Grey Texture Client Description:	Location: DMV Waiting Area RR, S. Wall Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100


Lab No.: 6403164 Client No.: 30-FT2-02	Analyst Observation: White Floor Tile Client Description:	Location: DMV Waiting Area RR, SE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100


Lab No.: 6403164(L2) Client No.: 30-FT2-02	Analyst Observation: Yellow Mastic Client Description:	Location: DMV Waiting Area RR, SE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Cellulose	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 6403165 Client No.: 30-FT2-03	Analyst Observation: White Floor Tile Client Description:	Location: DMV Waiting Area RR, SE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 6403165(L2) Client No.: 30-FT2-03	Analyst Observation: Yellow Mastic Client Description:	Location: DMV Waiting Area RR, SE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Hair	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403166 Client No.: 10-CT4-02	Analyst Observation: White/Grey Ceiling Tile Client Description:	Location: DMV Waiting Area RR, Ceiling, Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 40 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20


Lab No.: 6403167 Client No.: 10-CT4-03	Analyst Observation: White/Grey Ceiling Tile Client Description:	Location: DMV Waiting Area RR, Ceiling, NW Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 40 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20

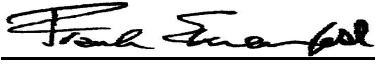
Lab No.: 6403168 Client No.: 09-CT4-02	Analyst Observation: White/Grey Ceiling Tile Client Description:	Location: DMV Offices, SW Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Fibrous Glass 30 Cellulose	<u>Percent Non-Fibrous Material:</u> 20

Lab No.: 6403169 Client No.: 12-PL5-04	Analyst Observation: White Plaster Client Description:	Location: DMV Offices, E. Wall Behind Counter 7 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 6403169(L2) Client No.: 12-PL5-04	Analyst Observation: Off-White Texture Client Description:	Location: DMV Offices, E. Wall Behind Counter 7 Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

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Signature: 
Analyst: Mark Stewart

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Laboratory Director

CERTIFICATE OF ANALYSIS

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10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033


Report Date: 12/12/2017
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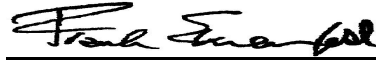
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403170 Client No.: 12-PL5-05	Analyst Observation: Off-White Texture Client Description:	Location: DMV Offices, Storage Room, S. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403171 Client No.: 23-FT4-02	Analyst Observation: Yellow Mastic Client Description:	Location: DMV Offices, At E. Wall In Doorway Behind Counter 5, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 6403172 Client No.: 41-FT4-01	Analyst Observation: Green/Yellow Mastic Client Description:	Location: DMV Offices, At E. Wall In Doorway Behind Counter 5, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Synthetic	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 6403173 Client No.: 41-FT4-02	Analyst Observation: Green/Yellow Mastic Client Description:	Location: DMV Offices, N. Wall At Door, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Synthetic Trace Cellulose	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 6403174 Client No.: 41-FT4-03	Analyst Observation: Blue/Yellow Mastic Client Description:	Location: DMV Offices, At E. Wall In Doorway Behind Counter 7, Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Synthetic Trace Cellulose	<u>Percent Non-Fibrous Material:</u> 99

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

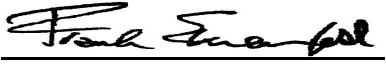
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403175 Client No.: 09-CT4-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White/Tan Ceiling Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 50 Fibrous Glass 30 Cellulose	Location: DMV Offices, At E. Wall Behind Counter 7, Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403176 Client No.: 25-WB1-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White/Tan Sheetrock Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	Location: DMV Office, Storage Room, N. Wall Center, 9 Ft. High Facility: <u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403176(L2) Client No.: 25-WB1-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: DMV Office, Storage Room, N. Wall Center, 9 Ft. High Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403176(L3) Client No.: 25-WB1-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Composite Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 9 Cellulose	Location: DMV Office, Storage Room, N. Wall Center, 9 Ft. High Facility: <u>Percent Non-Fibrous Material:</u> 91
Lab No.: 6403177 Client No.: 42-SC1-01 <u>Percent Asbestos:</u> PC 2.9 Chrysotile	Analyst Observation: Grey Caulk Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: DMV Offices, S. Wall, Window Facility: <u>Percent Non-Fibrous Material:</u> 97.1
Lab No.: 6403178 Client No.: 42-SC1-02 <u>Percent Asbestos:</u> PC 3.2 Chrysotile	Analyst Observation: Grey Caulk Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: DMV Offices, S. Wall, Window Facility: <u>Percent Non-Fibrous Material:</u> 96.8

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Mark Stewart

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403179 Client No.: 42-SC1-03	Analyst Observation: Grey Caulk Client Description:	Location: DMV Offices, S. Wall, Window Facility:
<u>Percent Asbestos:</u> <i>PC 3.7 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 96.3

Lab No.: 6403180 Client No.: 25-WB1-03	Analyst Observation: White/Tan Sheetrock Client Description:	Location: 2nd Floor Lobby, N. Wall, NE Corner, 10 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 5 Cellulose 5 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 90


Lab No.: 6403180(L2) Client No.: 25-WB1-03	Analyst Observation: White Joint Compound Client Description:	Location: 2nd Floor Lobby, N. Wall, NE Corner, 10 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

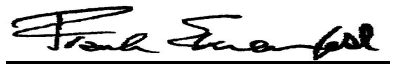
Lab No.: 6403180(L3) Client No.: 25-WB1-03	Analyst Observation: Composite Client Description:	Location: 2nd Floor Lobby, N. Wall, NE Corner, 10 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 4 Cellulose 5 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 91

Lab No.: 6403181 Client No.: 04-HP2-07	Analyst Observation: White Plaster Client Description:	Location: 2nd Floor Lobby, N. Wall, NE Corner, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 6403181(L2) Client No.: 04-HP2-07	Analyst Observation: Tan Plaster Client Description:	Location: 2nd Floor Lobby, N. Wall, NE Corner, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033


Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

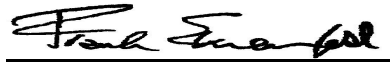
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403182 Client No.: 12-PL5-06	Analyst Observation: White Texture Client Description:	Location: 2nd Floor Lobby, N. Wall, NE Corner, 10 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403183 Client No.: 23-FT4-03	Analyst Observation: Yellow Mastic Client Description:	Location: 2nd Floor Lobby, At N. Wall, 3 Ft. From E. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Synthetic	<u>Percent Non-Fibrous Material:</u> 99
Lab No.: 6403184 Client No.: 43-CA3-01	Analyst Observation: Tan Caulk Client Description:	Location: 2nd Floor Lobby Stairs Landing, S. Wall Center, Between Windows Facility:
<u>Percent Asbestos:</u> <i>PC 4.4 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 95.6
Lab No.: 6403184(L2) Client No.: 43-CA3-01	Analyst Observation: White Non-Fibrous Client Description:	Location: 2nd Floor Lobby Stairs Landing, S. Wall Center, Between Windows Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403185 Client No.: 44-FT4-01	Analyst Observation: Grey Floor Tile Client Description:	Location: Health Dept., Lab Doorway Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403185(L2) Client No.: 44-FT4-01	Analyst Observation: Black Mastic Client Description:	Location: Health Dept., Lab Doorway Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 1 Cellulose	<u>Percent Non-Fibrous Material:</u> 99

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403186
Client No.: 44-FT4-02

Analyst Observation: Grey Floor Tile
Client Description:

Location: Health Dept., Nursing Station
Room, Storage Room At Door

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403186(L2)
Client No.: 44-FT4-02

Analyst Observation: Black Mastic
Client Description:

Location: Health Dept., Nursing Station
Room, Storage Room At Door

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 6403186(L3)
Client No.: 44-FT4-02

Analyst Observation: Yellow Mastic
Client Description:

Location: Health Dept., Nursing Station
Room, Storage Room At Door

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403187
Client No.: 44-FT4-03

Analyst Observation: Grey Floor Tile
Client Description:

Location: Health Dept., Exam 2, NE Corner
By Door

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403187(L2)
Client No.: 44-FT4-03

Analyst Observation: Black Mastic
Client Description:

Location: Health Dept., Exam 2, NE Corner
By Door

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
1 Cellulose

Percent Non-Fibrous Material:
99

Lab No.: 6403187(L3)
Client No.: 44-FT4-03

Analyst Observation: Yellow/White Mastic / Paper
Client Description:

Location: Health Dept., Exam 2, NE Corner
By Door

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
95 Cellulose

Percent Non-Fibrous Material:
5

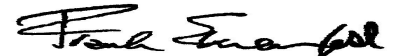
Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017

Date Analyzed: 12/12/2017

Signature: 
Analyst: Mark Stewart

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403188
Client No.: 45-FT2-01

Analyst Observation: Grey Floor Tile
Client Description:

Location: Health Dept., Break Room, S.
Wall At Door

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403189
Client No.: 45-FT2-02

Analyst Observation: Grey Floor Tile
Client Description:

Location: Health Dept., Lab, W. Wall Under
Centrifuge

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403190
Client No.: 45-FT2-03

Analyst Observation: Grey Floor Tile
Client Description:

Location: Health Dept., Lab, S. Wall
Behind Refrigerator

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403190(L2)
Client No.: 45-FT2-03

Analyst Observation: Yellow Mastic
Client Description:

Location: Health Dept., Lab, S. Wall
Behind Refrigerator

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

Lab No.: 6403191
Client No.: 46-SC6-01

Analyst Observation: Black Mastic
Client Description:

Location: Health Dept., Break Room,
Under Sink

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

Lab No.: 6403192
Client No.: 46-SC6-02

Analyst Observation: Black Mastic
Client Description:

Location: Health Dept., Exam 1, Under
Sink

Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
Trace Cellulose

Percent Non-Fibrous Material:
100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

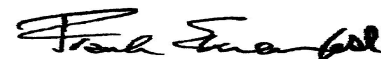
Date Received: 12/8/2017

Date Analyzed: 12/12/2017

Signature:

Analyst: Mark Stewart

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033


Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

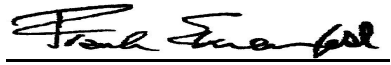
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403193 Client No.: 46-SC6-03	Analyst Observation: Black Mastic Client Description:	Location: Health Dept., Exam 2, Under Sink Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Cellulose	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403194 Client No.: 26-PL5-06	Analyst Observation: White Texture Client Description:	Location: Health Dept., Break Room, S. Wall At Door Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403195 Client No.: 26-PL5-07	Analyst Observation: White Texture Client Description:	Location: Health Dept., Exam 2, NE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403195(L2) Client No.: 26-PL5-07	Analyst Observation: Yellow Mastic Client Description:	Location: Health Dept., Exam 2, NE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403196 Client No.: 47-CT4-01	Analyst Observation: White/Grey Ceiling Tile Client Description:	Location: Health Dept., Lab, E. Side Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Fibrous Glass 30 Cellulose	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403197 Client No.: 47-CT4-02	Analyst Observation: White/Grey Ceiling Tile Client Description:	Location: Health Dept., Break Room, E. Side Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Fibrous Glass 30 Cellulose	<u>Percent Non-Fibrous Material:</u> 20

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

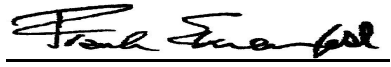
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403198 Client No.: 47-CT4-03	Analyst Observation: White/Grey Ceiling Tile Client Description:	Location: Health Dept., Exam 4, W. Side Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 50 Fibrous Glass 30 Cellulose	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403199 Client No.: 48-CT4-01	Analyst Observation: White/Grey Ceiling Tile Client Description:	Location: Health Dept., Nursing Station, W. Side Ceiling Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 60 Cellulose 20 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403200 Client No.: 49-CA3-01	Analyst Observation: Off-White Caulk Client Description:	Location: Health Dept., Nursing Station, W. Wall Between Windows, 3 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> Trace Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403201 Client No.: 50-MJ4-01	Analyst Observation: Off-White Insulation Client Description:	Location: WIC West, Front Desk, SW Corner, 6" Roof Drain, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>PC 1.8 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Fibrous Glass 5 Cellulose	<u>Percent Non-Fibrous Material:</u> 53.2
Lab No.: 6403202 Client No.: 50-MJ4-02	Analyst Observation: Off-White Insulation Client Description:	Location: WIC West, Front Desk, SW Corner, 6" Roof Drain, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>PC 1.4 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Fibrous Glass 5 Cellulose	<u>Percent Non-Fibrous Material:</u> 53.6

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Client: TER780

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403203 Client No.: 50-MJ4-03	Analyst Observation: Off-White Insulation Client Description:	Location: WIC West, Front Desk, At N. Wall Center, 6" Roof Drain, 9 Ft. High Facility:
<u>Percent Asbestos:</u> PC 0.75 Amosite PC 0.5 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> 40 Fibrous Glass Trace Cellulose	<u>Percent Non-Fibrous Material:</u> 58.75


Lab No.: 6403204 Client No.: 51-MA2-01	Analyst Observation: Tan Texture Client Description:	Location: 2nd Floor Highway With Roof Access, S. Wall Center, 5 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

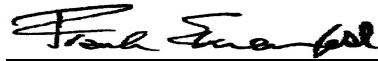
Lab No.: 6403205 Client No.: 51-MA2-02	Analyst Observation: Tan Texture Client Description:	Location: 2nd Floor Hallway With Roof Access, N. Wall Center, 5 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 6403206 Client No.: 51-MA2-03	Analyst Observation: Tan Texture Client Description:	Location: 2nd Floor Hallway With Roof Access, N. Wall Center, 1 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Lab No.: 6403207 Client No.: 24-FT4-03	Analyst Observation: Yellow/Tan Mastic Client Description:	Location: 2nd Floor, Conference Room A, S. Door Under Carpet Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 5 Synthetic	<u>Percent Non-Fibrous Material:</u> 95

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

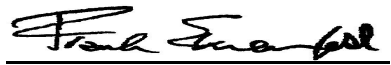
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403208 Client No.: 27-SC6-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey Coating Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> Trace Fibrous Glass	Location: 2nd Floor Conference Rooms, Kitchenette, Under Sink Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403209 Client No.: 27-SC6-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Grey Coating Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> Trace Fibrous Glass	Location: 2nd Floor Conference Rooms, Kitchenette, Under Sink Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403210 Client No.: 52-CT4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White/Tan Ceiling Tile Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 40 Cellulose 40 Fibrous Glass	Location: 2nd Floor Conference Rooms, 20 Ft. S. Of N. Wall, 8 Ft. Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 20
Lab No.: 6403211 Client No.: 26-PL5-08 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: 2nd Floor Conference Rooms, Corner At Wall Access From Kitchenette Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403212 Client No.: 26-PL5-09 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Texture Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: 2nd Floor Conference Rooms, 20 Ft. S. Of N. Wall, 20 Ft. From W. Wall Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403213 Client No.: 43-CA3-02 <u>Percent Asbestos:</u> PC 2.4 Chrysotile	Analyst Observation: Tan Caulk Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: WIC East, S. Wall Between Windows Facility: <u>Percent Non-Fibrous Material:</u> 97.6

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Mark Stewart

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director


CERTIFICATE OF ANALYSIS

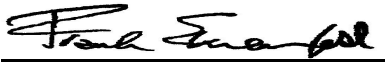
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403214 Client No.: 12-PL5-07	Analyst Observation: White Texture Client Description:	Location: WIC East, N. Wall, 4 Ft From E. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403215 Client No.: 25-WB1-04	Analyst Observation: White/Tan Sheetrock Client Description:	Location: WIC East, Clinical Room Hallway, N. Wall, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 5 Cellulose 5 Cellulose	<u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403215(L2) Client No.: 25-WB1-04	Analyst Observation: White Joint Compound Client Description:	Location: WIC East, Clinical Room Hallway, N. Wall, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403215(L3) Client No.: 25-WB1-04	Analyst Observation: Composite Client Description:	Location: WIC East, Clinical Room Hallway, N. Wall, 9 Ft. High Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 4 Cellulose 5 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 91
Lab No.: 6403216 Client No.: 53-CA7-01	Analyst Observation: Blue Caulk Client Description:	Location: WIC East, Clinical Room Hallway, N. Wall, 9 Ft. High At Conduit Penetration Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Synthetic	<u>Percent Non-Fibrous Material:</u> 90

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

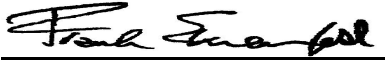
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403217 Client No.: 54-FT2-01	Analyst Observation: Grey Floor Tile Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: WIC East, Clinical Room, At Door Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403218 Client No.: 54-FT2-02	Analyst Observation: Grey Floor Tile Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: WIC East, Clinical Room, At N. Wall, NW Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403218(L2) Client No.: 54-FT2-02	Analyst Observation: Yellow Mastic Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> Trace Cellulose	Location: WIC East, Clinical Room, At N. Wall, NW Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403219 Client No.: 54-FT2-03	Analyst Observation: Grey Floor Tile Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: WIC East, Clinical Room, At Door Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403219(L2) Client No.: 54-FT2-03	Analyst Observation: Yellow Mastic Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> Trace Cellulose	Location: WIC East, Clinical Room, At Door Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403220 Client No.: 14-SC6-03	Analyst Observation: White Coating Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	Location: WIC West, Exam 6, Under Sink Facility: <u>Percent Non-Fibrous Material:</u> 90

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Mark Stewart

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403221
Client No.: 43-CA3-03

Analyst Observation: Tan Caulk
Client Description:

Location: 2nd Floor Lobby Stairs Landing,
S. Wall Center, Between Windows

Facility:

Percent Asbestos:
PC 3.3 Chrysotile

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
96.7

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

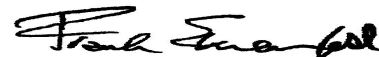
Date Received: 12/8/2017

Date Analyzed: 12/12/2017

Signature:

Analyst: Mark Stewart

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

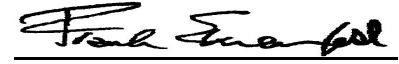
Client: Terracon 10625 W, I-70,Frontage Rd. N,Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403222 Client No.: 55-RF8-01	Analyst Observation: Black Tar Client Description:	Location: South Entrance Canopy Roof, W. Side Facility: Percent Non-Fibrous Material: 90
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	
Lab No.: 6403222(L2) Client No.: 55-RF8-01	Analyst Observation: Tan Insulation Client Description:	Location: South Entrance Canopy Roof, W. Side Facility: Percent Non-Fibrous Material: None Detected
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	
Lab No.: 6403223 Client No.: 55-RF8-02	Analyst Observation: Black Tar Client Description:	Location: South Entrance Canopy Roof, Center Facility: Percent Non-Fibrous Material: 90
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	
Lab No.: 6403223(L2) Client No.: 55-RF8-02	Analyst Observation: Tan Insulation Client Description:	Location: South Entrance Canopy Roof, Center Facility: Percent Non-Fibrous Material: None Detected
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	
Lab No.: 6403224 Client No.: 55-RF8-03	Analyst Observation: Black Tar Client Description:	Location: South Entrance Canopy Roof, E. Side Facility: Percent Non-Fibrous Material: 90
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	
Lab No.: 6403224(L2) Client No.: 55-RF8-03	Analyst Observation: Tan Insulation Client Description:	Location: South Entrance Canopy Roof, E. Side Facility: Percent Non-Fibrous Material: None Detected
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


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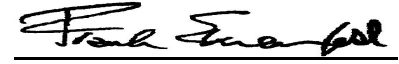
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403225 Client No.: 56-RF4-01 <u>Percent Asbestos:</u> PC 2.1 Chrysotile	Analyst Observation: Black Roof Material Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose	Location: South Entrance Canopy Roof, NE Corner Flashing At Wall Facility: <u>Percent Non-Fibrous Material:</u> 82.9
Lab No.: 6403225(L2) Client No.: 56-RF4-01 <u>Percent Asbestos:</u> None Detected	Analyst Observation: Black/White Shingle Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	Location: South Entrance Canopy Roof, NE Corner Flashing At Wall Facility: <u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403226 Client No.: 56-RF4-02 <u>Percent Asbestos:</u> PC 2.0 Chrysotile	Analyst Observation: Black/White Roof Material Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose	Location: South Entrance Canopy Roof, NE Corner Flashing At Wall Facility: <u>Percent Non-Fibrous Material:</u> 78
Lab No.: 6403227 Client No.: 56-RF4-03 <u>Percent Asbestos:</u> PC 1.7 Chrysotile	Analyst Observation: Black/White Roof Material Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose	Location: South Entrance Canopy Roof, NE Corner Flashing At Wall Facility: <u>Percent Non-Fibrous Material:</u> 83.3
Lab No.: 6403228 Client No.: 57-CA3-01 <u>Percent Asbestos:</u> PC 3.7 Chrysotile	Analyst Observation: Off-White Sealant Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: South Exterior Wall, 8 Ft. East Of Door, 10 Ft. High Facility: <u>Percent Non-Fibrous Material:</u> 96.3
Lab No.: 6403229 Client No.: 57-CA3-02 <u>Percent Asbestos:</u> PC 3.0 Chrysotile	Analyst Observation: Off-White Sealant Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: South Exterior Wall, 5 Ft. East Of Door, 10 Ft. High Facility: <u>Percent Non-Fibrous Material:</u> 97

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Ellen Smith

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033


Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

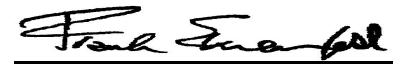
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403230 Client No.: 57-CA3-03	Analyst Observation: Off-White Sealant Client Description:	Location: South Exterior Wall, 3 Ft. East Of Door, 10 Ft. High Facility:
<u>Percent Asbestos:</u> PC 3.5 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 96.5
Lab No.: 6403231 Client No.: 58-SC1-01	Analyst Observation: White Glazing Client Description:	Location: South Exterior Window, 8 Ft. East Of Door, 13 Ft. High Facility:
<u>Percent Asbestos:</u> PC 1.7 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 98.3
Lab No.: 6403232 Client No.: 58-SC1-02	Analyst Observation: White Glazing Client Description:	Location: South Exterior Window, 5 Ft. East Of Door, 13 Ft. High Facility:
<u>Percent Asbestos:</u> PC 1.5 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 98.5
Lab No.: 6403233 Client No.: 58-SC1-03	Analyst Observation: White Glazing Client Description:	Location: South Exterior Window, 3 Ft. East Of Door, 13 Ft. High Facility:
<u>Percent Asbestos:</u> PC 1.5 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 98.5
Lab No.: 6403234 Client No.: 59-CA3-01	Analyst Observation: White Caulk Client Description:	Location: South Exterior Wall, 8 Ft. East Of Door, 9.5 Ft. High On Gutter Facility:
<u>Percent Asbestos:</u> PC 4.1 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 95.9
Lab No.: 6403235 Client No.: 59-CA3-02	Analyst Observation: White Caulk Client Description:	Location: South Exterior Wall, 5 Ft. East Of Door, 9.5 Ft. High On Gutter Facility:
<u>Percent Asbestos:</u> PC 3.8 Chrysotile	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 96.2

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

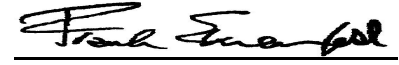
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403236 Client No.: 59-CA3-03	Analyst Observation: White Caulk Client Description:	Location: South Exterior Wall, 3 Ft. East Of Door, 9.5 Ft. High On Gutter Facility:
<u>Percent Asbestos:</u> <i>PC 3.5 Chrysotile</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 96.5
Lab No.: 6403237 Client No.: 60-RF8-01	Analyst Observation: Black Tar Client Description:	Location: Elev. Maint. Room Roof, NE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 7 Cellulose 3 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403237(L2) Client No.: 60-RF8-01	Analyst Observation: White Sealant Client Description:	Location: Elev. Maint. Room Roof, NE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403237(L3) Client No.: 60-RF8-01	Analyst Observation: Tan Insulation Client Description:	Location: Elev. Maint. Room Roof, NE Corner Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	<u>Percent Non-Fibrous Material:</u> None Detected
Lab No.: 6403238 Client No.: 60-RF8-02	Analyst Observation: Black Tar Client Description:	Location: Elev. Maint. Room Roof, N. Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose 5 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 85

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403238(L2)
Client No.: 60-RF8-02

Analyst Observation: White Sealant
Client Description:

Location: Elev. Maint. Room Roof, N.
Center

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403238(L3)
Client No.: 60-RF8-02

Analyst Observation: Tan Insulation
Client Description:

Location: Elev. Maint. Room Roof, N.
Center

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
100 Cellulose

Facility:
Percent Non-Fibrous Material:
None Detected

Lab No.: 6403239
Client No.: 60-RF8-03

Analyst Observation: Black Tar
Client Description:

Location: Elev. Maint. Room Roof, SW
Corner

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose
3 Fibrous Glass

Facility:
Percent Non-Fibrous Material:
87

Lab No.: 6403239(L2)
Client No.: 60-RF8-03

Analyst Observation: White Sealant
Client Description:

Location: Elev. Maint. Room Roof, SW
Corner

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Facility:
Percent Non-Fibrous Material:
100

Lab No.: 6403239(L3)
Client No.: 60-RF8-03

Analyst Observation: Tan Insulation
Client Description:

Location: Elev. Maint. Room Roof, SW
Corner

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
100 Cellulose

Facility:
Percent Non-Fibrous Material:
None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

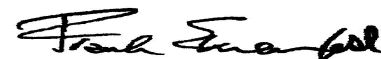
Date Received: 12/8/2017

Date Analyzed: 12/12/2017

Signature:

Analyst: Ellen Smith

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Client: TER780

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403240
Client No.: 61-RF4-01

Analyst Observation: Black Tar
Client Description:

Location: Elev. Maint. Room Roof, E. Wall
Flashing
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose
5 Fibrous Glass

Percent Non-Fibrous Material:
85

Lab No.: 6403240(L2)
Client No.: 61-RF4-01

Analyst Observation: White Sealant
Client Description:

Location: Elev. Maint. Room Roof, E. Wall
Flashing
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403241
Client No.: 61-RF4-02

Analyst Observation: Black Tar
Client Description:

Location: Elev. Maint. Room Roof, N. Wall
Flashing
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
10 Cellulose
3 Fibrous Glass

Percent Non-Fibrous Material:
87

Lab No.: 6403241(L2)
Client No.: 61-RF4-02

Analyst Observation: White Sealant
Client Description:

Location: Elev. Maint. Room Roof, N. Wall
Flashing
Facility:

Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
None Detected

Percent Non-Fibrous Material:
100

Lab No.: 6403241(L3)
Client No.: 61-RF4-02

Analyst Observation: Tan Insulation
Client Description:


Location: Elev. Maint. Room Roof, N. Wall
Flashing
Facility:

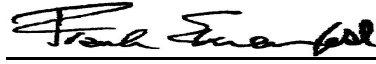
Percent Asbestos:
None Detected

Percent Non-Asbestos Fibrous Material:
100 Cellulose

Percent Non-Fibrous Material:
None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

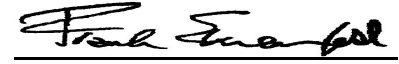
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403242 Client No.: 61-RF4-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Black Tar Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	Location: Elev. Maint. Room Roof W. Wall Flashing Facility: <u>Percent Non-Fibrous Material:</u> 90
Lab No.: 6403242(L2) Client No.: 61-RF4-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Sealant Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: Elev. Maint. Room Roof W. Wall Flashing Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403243 Client No.: 62-HP2-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Plaster Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Human Services, Entry Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403243(L2) Client No.: 62-HP2-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Lt Tan Plaster Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Human Services, Entry Ceiling Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403244 Client No.: 62-HP2-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Plaster Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Human Services, Entry Ceiling, By Light Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403244(L2) Client No.: 62-HP2-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Lt Tan Plaster Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Human Services, Entry Ceiling, By Light Facility: <u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Ellen Smith

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director


CERTIFICATE OF ANALYSIS

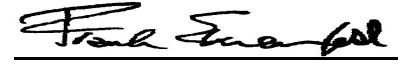
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403245 Client No.: 62-HP2-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Plaster Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Human Services, Entry Ceiling, By Light Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403245(L2) Client No.: 62-HP2-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Lt Tan Plaster Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Human Services, Entry Ceiling, By Light Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403246 Client No.: 63-WB4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Lt Grey Sheetrock Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 2 Fibrous Glass	Location: W. Entrance To Prob. Dept., Canopy Ceiling, NW Corner Facility: <u>Percent Non-Fibrous Material:</u> 98
Lab No.: 6403246(L2) Client No.: 63-WB4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: White Joint Compound Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Prob. Dept., Canopy Ceiling, NW Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403246(L3) Client No.: 63-WB4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Composite Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 2 Fibrous Glass	Location: W. Entrance To Prob. Dept., Canopy Ceiling, NW Corner Facility: <u>Percent Non-Fibrous Material:</u> 98
Lab No.: 6403247 Client No.: 63-WB4-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Lt Grey Sheetrock Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 1 Fibrous Glass	Location: W. Entrance To Prob. Dept., Canopy Ceiling, SW Corner Facility: <u>Percent Non-Fibrous Material:</u> 99

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Ellen Smith

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director


CERTIFICATE OF ANALYSIS

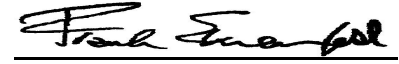
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403247(L2) Client No.: 63-WB4-02	Analyst Observation: White Joint Compound Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Prob. Dept., Canopy Ceiling, SW Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403247(L3) Client No.: 63-WB4-02	Analyst Observation: Composite Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> 1 Fibrous Glass	Location: W. Entrance To Prob. Dept., Canopy Ceiling, SW Corner Facility: <u>Percent Non-Fibrous Material:</u> 99
Lab No.: 6403248 Client No.: 63-WB4-03	Analyst Observation: White Compound Material Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Prob. Dept., Canopy Ceiling, SW Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403248(L2) Client No.: 63-WB4-03	Analyst Observation: White Paint Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Entrance To Prob. Dept., Canopy Ceiling, SW Corner Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403249 Client No.: 64-CA3-01	Analyst Observation: Olive Sealant Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Ext. Wall, Above Prob. Dept. Canopy Roof Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403250 Client No.: 64-CA3-02	Analyst Observation: Olive Sealant Client Description: <u>Percent Asbestos:</u> <i>None Detected</i> <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Ext. Wall, Above Prob. Dept. Canopy Roof Facility: <u>Percent Non-Fibrous Material:</u> 100

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Ellen Smith

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director


CERTIFICATE OF ANALYSIS

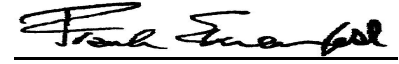
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403251 Client No.: 64-CA3-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Olive Sealant Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> None Detected	Location: W. Ext. Wall, Above Prob. Dept. Canopy Roof Facility: <u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403252 Client No.: 65-RF8-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Black Tar Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose 5 Fibrous Glass	Location: W. Entrance To Prob. Dept., Canopy Roof, N. Side Facility: <u>Percent Non-Fibrous Material:</u> 85
Lab No.: 6403252(L2) Client No.: 65-RF8-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Insulation Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	Location: W. Entrance To Prob. Dept., Canopy Roof, N. Side Facility: <u>Percent Non-Fibrous Material:</u> None Detected
Lab No.: 6403253 Client No.: 65-RF8-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Black Tar Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose 5 Fibrous Glass	Location: W. Entrance To Prob. Dept., Canopy Roof, Center Facility: <u>Percent Non-Fibrous Material:</u> 85
Lab No.: 6403253(L2) Client No.: 65-RF8-02 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Insulation Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	Location: W. Entrance To Prob. Dept., Canopy Roof, Center Facility: <u>Percent Non-Fibrous Material:</u> None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Ellen Smith

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director


CERTIFICATE OF ANALYSIS

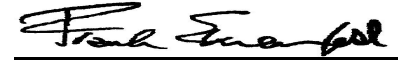
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033 Client: TER780	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
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PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403254 Client No.: 65-RF8-03 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Black Tar Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 15 Fibrous Glass	Location: W. Entrance To Prob. Dept., Canopy Roof, S. Side Facility: <u>Percent Non-Fibrous Material:</u> 85
Lab No.: 6403255 Client No.: 66-RF4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Black Tar Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Fibrous Glass 10 Cellulose	Location: W. Entrance To Prob. Dept., Canopy Roof, N. Wall Flashing Facility: <u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6403255(L2) Client No.: 66-RF4-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Insulation Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	Location: W. Entrance To Prob. Dept., Canopy Roof, N. Wall Flashing Facility: <u>Percent Non-Fibrous Material:</u> None Detected
Lab No.: 6403256 Client No.: 67-RF8-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Black Tar Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose 10 Fibrous Glass	Location: South Bldg. Roof, 15 Ft. From S. Wall, Center Facility: <u>Percent Non-Fibrous Material:</u> 80
Lab No.: 6403256(L2) Client No.: 67-RF8-01 <u>Percent Asbestos:</u> <i>None Detected</i>	Analyst Observation: Tan Insulation Client Description: <u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	Location: South Bldg. Roof, 15 Ft. From S. Wall, Center Facility: <u>Percent Non-Fibrous Material:</u> None Detected

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
 Date Analyzed: 12/12/2017
 Signature: 
 Analyst: Ellen Smith

Approved By: 
 Frank E. Ehrenfeld, III
 Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033


Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

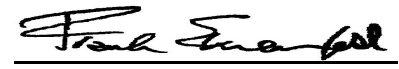
Client: TER780

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403256(L3) Client No.: 67-RF8-01	Analyst Observation: Yellow Foam Client Description:	Location: South Bldg. Roof, 15 Ft. From S. Wall, Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100
Lab No.: 6403257 Client No.: 67-RF8-02	Analyst Observation: Black Tar Client Description:	Location: South Bldg. Roof, 25 Ft. From S. Wall, Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 20 Cellulose 10 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 70
Lab No.: 6403258 Client No.: 67-RF8-03	Analyst Observation: Black Tar Client Description:	Location: South Bldg. Roof, 35 Ft. From S. Wall, Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose 15 Fibrous Glass	<u>Percent Non-Fibrous Material:</u> 75
Lab No.: 6403258(L2) Client No.: 67-RF8-03	Analyst Observation: Tan Insulation Client Description:	Location: South Bldg. Roof, 35 Ft. From S. Wall, Center Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 100 Cellulose	<u>Percent Non-Fibrous Material:</u> None Detected
Lab No.: 6403259 Client No.: 68-RF4-01	Analyst Observation: Black/Silver Tar Client Description:	Location: South Bldg. Roof, South Parapet Wall Flashing, 20 Ft. From E. Wall Facility:
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 15 Cellulose	<u>Percent Non-Fibrous Material:</u> 85

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director


CERTIFICATE OF ANALYSIS

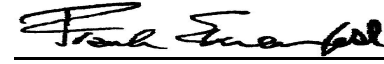
Client: Terracon 10625 W, I-70, Frontage Rd. N, Suite 3 Wheat Ridge CO 80033	Report Date: 12/12/2017 Report No.: 553422 - PLM Project: Larimer County Courthouse Project No.: 25177539
Client: TER780	

PLM BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 6403260 Client No.: 68-RF4-02	Analyst Observation: Black/Silver Tar Client Description:	Location: South Bldg. Roof, Cooling Tower Flashing, East Side Facility: Percent Non-Fibrous Material: 90
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	
Lab No.: 6403261 Client No.: 68-RF4-03	Analyst Observation: Black/Silver Tar Client Description:	Location: South Bldg. Roof, North Parapet Wall Flashing, 20 Ft. From E. Wall Facility: Percent Non-Fibrous Material: 90
<u>Percent Asbestos:</u> <i>None Detected</i>	<u>Percent Non-Asbestos Fibrous Material:</u> 10 Cellulose	

Analytical Method -US EPA 600, R93-116. Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/8/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Ellen Smith

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Client: TER780

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Appendix to Analytical Report

Customer Contact:

Analysis: US EPA 600, R93-116

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: cdavis@iatl.com

iATL Account Representative: Cassie Doherty

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Bulk Building Materials

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

Certifications:

- NIST-NVLAP No. 101165-0
- NY-DOH No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB)

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.

Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gange, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) www.atsdr.cdc.gov, United States Geological Survey (USGS) www.minerals.usgs.gov/minerals/, US EPA www.epa.gov/asbestos. The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional.

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116
Requirements/Comments: Minimum of 0.1 g of sample. ~0.25% LOQ for most samples.
- 2) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.
- 3) **Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Floats" only.
- 4) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004
Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Sinks" only.
- 5) **Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553422 - PLM
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

Requirements/Comments: Minimum 50g** of dry sample. Analysis of "Suspension" only.

LOQ, Limit of Quantitation estimates for mass and volume analyses.

*With advance notice and confirmation by the laboratory.

**Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company: Terracon
Office Address: 10625 West I-70 Frontage Road N
City, State, Zip: Wheat Ridge, CO 80033
Fax Number: 303-423-3353
Email Address: Kurt.Streeb@terracon.com

Project Number: 25177539
Project Name: Larimer County Courthouse
Primary Contact: Kurt Streeb
Office Phone: 303-454-5255
Cell Phone: 720-201-2476

PLM Instructions:

- ☒ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☒ PLM: Point Counting
 - ☐ PC: via ELAP 198.1
 - ☒ PC: 400 Points
 - ☐ PC: 800 Points *
 - ☐ PC: 1600 Points *

- ☒ PLM: Instructions for Multi-Layered Samples
 - ☐ Analyze and Report All Separable Layers per EPA 600
 - ☐ Report Composite for Drywall Systems per NESHAP
 - ☒ Report All Layers and Composite Where Applicable
 - ☐ Only Analyze and Report Specifically Noted Layer

- ☐ PLM: Analyze Until Positive (Positive Stop)
 - ☐ AUP: by Homogenous Area as Noted
 - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
 - ☐ PLM: Friable via EPA 600 2.3
 - ☐ If <1% by PLM, to TEM via 198.4 *
 - ☐ If <1% by PLM, Hold for Instructions
- ☐ PLM: Non-Building Material *** (Dust, Wipe, Tape)
 - ☐ Soil or Vermiculite Analysis
 - ☐ CARB 435

Special Instructions:

* Additional charge and turnaround may be required

** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory

Turnaround Time

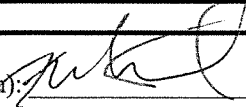

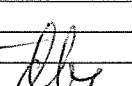
Preliminary Results Requested Date: _____

☐ Verbal ☒ Email ☐ Fax

Specific date / time
☐ 10 Day ☐ 5 Day ☒ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization):		Date:	12/6/17	Time:	6:00 PM
Received (Name / iATL):		Date:		Time:	
Sample Login (Name / iATL):		Date:		Time:	
Analysis(Name(s) / iATL):		Date:	12-12-17	Time:	
QA/QC Review (Name / iATL):		Date:	12-12-17	Time:	DEC -9 10
Archived / Released:		Date:		Time:	

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company: Terracon
Office Address: 10625 West I-70 Frontage Road N
City, State, Zip: Wheat Ridge, CO 80033
Fax Number: 303-423-3353
Email Address: Kurt.Streeb@terracon.com

Project Number: 25177539
Project Name: Larimer County Courthouse
Primary Contact: Kurt Streeb
Office Phone: 303-454-5255
Cell Phone: 720-201-2476

PLM Instructions:

- ☒ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☒ PLM: Point Counting
 - ☐ PC: via ELAP 198.1
 - ☒ PC: 400 Points
 - ☐ PC: 800 Points *
 - ☐ PC: 1600 Points *

- ☒ PLM: Instructions for Multi-Layered Samples
 - ☐ Analyze and Report All Separable Layers per EPA 600
 - ☐ Report Composite for Drywall Systems per NESHAP
 - ☒ Report All Layers and Composite Where Applicable
 - ☐ Only Analyze and Report Specifically Noted Layer

- ☐ PLM: Analyze Until Positive (Positive Stop)
 - ☐ AUP: by Homogenous Area as Noted
 - ☐ AUP: by Material Type as Noted
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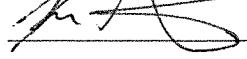
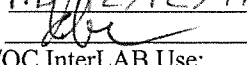
Turnaround Time

Preliminary Results Requested Date: _____ ☐ Verbal ☒ Email ☐ Fax

Specific date / time
☐ 10 Day ☐ 5 Day ☒ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

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Chain of Custody

Relinquished (Name/Organization):		Date:	12/6/17	Time:	6:00 PM
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Sample Login (Name / iATL):		Date:		Time:	
Analysis(Name(s) / iATL):	ND 12/12/17	Date:		Time:	
QA/QC Review (Name / iATL):		Date:	12-12-17	Time:	
Archived / Released:		Date:		Time:	

Chain of Custody

–Bulk Asbestos–

Contact Information

Client Company: Terracon
Office Address: 10625 West I-70 Frontage Road N
City, State, Zip: Wheat Ridge, CO 80033
Fax Number: 303-423-3353
Email Address: Kurt.Streeb@terracon.com

Project Number: 25177539
Project Name: Larimer County Courthouse
Primary Contact: Kurt Streeb
Office Phone: 303-454-5255
Cell Phone: 720-201-2476

PLM Instructions:

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Special Instructions:

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Turnaround Time

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Chain of Custody

Relinquished (Name/Organization): [Signature] Date: 12/6/17 Time: 6:00 PM
Received (Name / iATL): _____ Date: _____ Time: _____
Sample Login (Name / iATL): [Signature] Date: 12/12/17 Time: 1:00 PM
Analysis(Name(s) / iATL): [Signature] Date: 12/12/17 Time: 1:00 PM
QA/QC Review (Name / iATL): [Signature] Date: 12/12/17 Time: 1:00 PM
Archived / Released: _____ QA/QC InterLAB Use: _____ Date: 12/12/17 Time: 1:00 PM

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company: Terracon
Office Address: 10625 West I-70 Frontage Road N
City, State, Zip: Wheat Ridge, CO 80033
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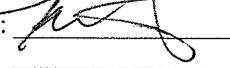
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QA/QC Review (Name / iATL):	dlc	Date:	12-12-17	Time:	
Archived / Released:		Date:		Time:	

Sample Log

–Bulk Asbestos –

Client: **Terracon** Project: **25177539**

Sampling Date: **Nov. 28, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
01-FT2-01	6403068	Mech/Elec. Room, SE Corner by Door	
01-FT2-02	6403069	Mech/Elec. Room, W. Wall, 5 ft. from S. wall	
01-FT2-03	6403070	Mech/Elec. Room, NE Corner	
02-MG3-01	6403071	Mech/Elec. Room, SE Corner by Door	
02-MG3-02	6403072	Mech/Elec. Room, N. wall 5 ft from west	
02-MG3-03	6403073	Mech/Elec. Room, W. wall 3 ft from north	
03-WB1-01	6403074	Mech/Elec. Room, Lower Ceiling, 2 ft from N	
03-WB1-02	6403075	Mech/Elec. Room, Lower Ceiling, 4 ft. from N	
03-WB1-03	6403076	Mech/Elec. Room, N. Wall by door	
04-HP2-01	6403077	Mech/Elec. Room, E. Wall, Inside Conduit Chase	
04-HP2-02	6403078	Mech. Room, Column 14 ft from E, 6 ft high	
04-HP2-03	6403079	WIC West, Exam Room 6, W. wall above ceiling	
05-MI4-01	6403080	Mech Room, On duct 7 ft from east, 2 ft from N. wall	
05-MI4-02	6403081	Mech Room, On duct 6 ft from W, 2 ft. from N	
05-MI4-03	6403082	Mech Room, On duct 11 ft from W, 3 ft from column, 10 ft high	
06-MI4-01	6403083	Mech Room, inside duct, 3 ft from S, 4 ft from W, 8 ft high	

Sample Log

—Bulk Asbestos—

Client: Terracon Project: 25177539

Sampling Date: Nov. 28, 2017

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
06-MI4-02	6403084	Mech Room, inside duct, 3 ft from S, 4 ft from W, 8 ft high	
06-MI4-03	6403085	Mech Room, inside duct, 3 ft from S, 4 ft from W, 8 ft high	
07-WP1-01	6403086	Mech Room, on AHU, 12 ft from W, 10 ft high	
08-CT4-01	6403087	WIC West, Exam Rm 6, ceiling 4 ft from door	
09-CT4-01	6403088	WIC West, Exam Rm 6, on top of light fixture	
10-CT4-01	6403089	WIC West, Exam Rm 6, ceiling 4 ft from S	
11-MG3-01	6403090	WIC West, Exam Rm 6, N. wall adj. door	
12-PL5-01	6403091	WIC West, Exam Rm 6, N. wall adj. door	
13-FT4-01	6403092	WIC West, Exam Rm 6, SE corner, under carpet	
14-SC6-01	6403093	WIC West, Exam Rm 6, W. wall under sink	
15-CT4-01	6403094	WIC West, W. hallway near WIC 1/Staff, ceiling	
01-FT2-04	6403095	WIC West, Hallway adj. Exam Rm 5, under carpet	
16-FT4-01	6403096	WIC West, W. Hallway adj. Exam Rm 5, under carpet	
17-FT1-01	6403097	WIC West, office near Exam Rm 5, under carpet	
17-FT1-02	6403098	WIC West, office near Exam Rm 5, under carpet	
17-FT1-03	6403099	WIC West, office near Exam Rm 5, under carpet	

Sample Log

—Bulk Asbestos—

Client: **Terracon**

Project: **25177539**

Sampling Date: **Nov. 29, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
19-SC5-01	6403103	Mech Room, Heating Supply pipe to boiler, W. side	
19-SC5-02	6403104	Mech Room, NW corner, W. side of AHU near HW tank, 2 ft high	
19-SC5-03	6403105	Mech Room, NW corner, base of HW tank	
20-SC5-01	6403106	Mech Room, W. side of AHU, 5 ft high	
20-SC5-02	6403107	Mech Room, W. side of AHU, 4 ft high	
20-SC5-03	6403108	Mech Room, W. side of AHU, 2 ft high	
21-FT2-01	6403109	Mech Room Hallway, SE corner under carpet	
22-MG3-01	6403110	Mech Room Hallway, S. Wall, SE corner	
22-MG3-02	6403111	Prob. Dept. Waiting Area, NW corner by exit	
21-FT2-02	6403112	Prob. Dept. Waiting Area, Jan Closet, SE corner	
08-CT4-02	6403113	Prob. Dept., E. Hallway, Ceiling	
23-FT4-01	6403114	Prob. Dept. Rm 150, S. wall at door, under carpet	
24-FT4-01	6403115	Prob. Dept. Rm 150, N. wall, 8 ft from E, under carpet	
15-CT4-02	6403116	Prob. Dept. Waiting Area, near Rm 150, ceiling	
25-WB1-01	6403117	Prob. Dept., E. Hallway, N. wall, 2 ft from W, 9 ft high	
14-SC6-02	6403118	Prob. Dept. Rm 150, under sink	

4

Sample Log

—Bulk Asbestos—

Client: **Terracon**

Project: **25177539**

Sampling Date: **Nov. 29, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
26-PL5-01	6403119	Prob. Dept. Waiting Area, N. wall at door to Rm 165	
26-PL5-02	6403120	Prob. Dept. Rm 150, W. Wall, NW corner, 9 ft high	
26-PL5-03	6403121	Prob. Dept., E. Hallway, S. wall by door, 9 ft high	
08-CT4-03	6403122	Prob. Dept., Break Room, corner at bathroom, ceiling	
26-PL5-04	6403123	Prob. Dept., Break Room, corner at bathroom, 9 ft high	
27-SC6-01	6403124	Prob. Dept., S. wall, under sink	
28-FT2-01	6403125	Prob. Dept. Break Room Hallway, S. wall across from exit	
28-FT2-02	6403126	Prob. Dept. Break Room, at S. door	
28-FT2-03	6403127	Prob. Dept. Break Room, NE corner	
29-FT2-01	6403128	Prob. Dept. Break Room, at S. door	
30-FT2-01	6403129	Prob. Dept. Break Room, W. wall at bathroom	
22-MG3-03	6403130	Prob. Dept. Break Room Hallway, S. wall across from exit	
26-PL5-05	6403131	Prob. Dept., E. Janitor's Closet, N. wall by door	
24-FT4-02	6403132	Prob. Dept., Room 165, at door to Break Room Hallway, under carpet	
31-CT4-01	6403133	Human Services, N. center room, ceiling	
31-CT4-02	6403134	Human Services, SE hallway, ceiling	

Sample Log

—Bulk Asbestos—

Client: **Terracon** Project: **25177539**

Sampling Date: **Nov. 29, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
31-CT4-03	6403135	Human Services, South Small Storage Room, ceiling	
13-FT4-02	6403136	Human Services, N. center room at door, under carpet	
11-MG3-02	6403137	Human Services, N. center room, N wall at door	
32-FC6-01	6403138	Human Services, N. center room, N wall at door, under carpet	
34-MG3-01	6403139	Human Services, Room F, W. wall	
12-PL5-02	6403140	Human Services, South Small Storage Room, E. wall, 9 ft high	
35-MJ4-01	6403141	Human Services, Room F, 3" pipe near E. wall, 10 ft high	
35-MJ4-02	6403142	Human Services, 2" pipe, N. hallway above door to N. center room, 10 ft high	
35-MJ4-03	6403143	Human Services, 1 1/2" pipe, N. hallway above door to N. center room, 10 ft high	
04-HP2-04	6403144	Human Services, E. hallway, E. wall, 9 ft high	
04-HP2-05	6403145	Human Services, N. hallway, S. wall 4 ft from DMV waiting area	
12-PL5-03	6403146	Human Services, N. Hallway Jan. Closet, E. wall	

Sample Log

—Bulk Asbestos—

Client: Terracon Project: 25177539

Sampling Date: Nov. 30, 2017

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
04-HP2-06	6403117	DMV Waiting Area, Ceiling under Stairs	
21-FT2-03	6403148	DMV Waiting Area, Adjacent to S. Door, Under Carpet	
36-FT2-01	6403149	DMV Waiting Area, E. wall by S. door, under dark teal carpet	
37-FT2-01	6403150	DMV Waiting Area, E. wall near S. door, under dark teal carpet	
36-FT2-02	6403151	DMV Waiting Area, E. wall near S. door, under dark teal carpet	
36-FT2-03	6403152	DMV Waiting Area, NE corner under teal carpet	
37-FT2-02	6403153	DMV Waiting Area, E. wall near S. door, under dark teal carpet	
37-FT2-03	6403154	DMV Waiting Area, NE corner under teal carpet	
38-PL5-01	6403155	DMV Waiting Area, E. wall by S. Door, 8 ft high	
38-PL5-02	6403156	DMV Waiting Area, E. wall by between S. & N. Door, 8 ft high	
38-PL5-03	6403157	DMV Waiting Area, E. wall above N. Door, 8 ft high	
39-MG3-01	6403158	DMV Waiting Area RR, E. wall by door	
39-MG3-02	6403159	DMV Waiting Area RR, W. wall center	
39-MG3-03	6403160	DMV Waiting Area RR, S. wall center	
40-PL5-01	6403161	DMV Waiting Area RR, E. wall by door	
40-PL5-02	6403162	DMV Waiting Area RR, W. wall center	

Sample Log

—Bulk Asbestos—

Client: Terracon Project: 25177539

Sampling Date: Nov. 30, 2017

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
40-PL5-03	6403163	DMV Waiting Area RR, S. wall center	
30-FT2-02	6403164	DMV Waiting Area RR, SE corner	
30-FT2-03	6403165	DMV Waiting Area RR, SE corner	
10-CT4-02	6403166	DMV Waiting Area RR, ceiling, center	
10-CT4-03	6403167	DMV Waiting Area RR, ceiling, NW corner	
09-CT4-02	6403168	DMV Offices, SW corner	
12-PL5-04	6403169	DMV Offices, E. wall behind counter 7	
12-PL5-05	6403170	DMV Offices, Storage Room, S. wall	
23-FT4-02	6403171	DMV Offices, at E. wall in doorway behind counter 5, under carpet	
41-FT4-01	6403172	DMV Offices, at E. wall in doorway behind counter 5, under carpet	
41-FT4-02	6403173	DMV Offices, N. wall at door, under carpet	
41-FT4-03	6403174	DMV Offices, at E. wall in doorway behind counter 7, under carpet	
09-CT4-03	6403175	DMV Offices, at E. wall behind counter 7, ceiling	
25-WB1-02	6403176	DMV Offices, Storage Room, N. wall center, 9 ft high	
42-SC1-01	6403177	DMV Offices. S. Wall, Window	
42-SC1-02	6403178	DMV Offices. S. Wall, Window	

Sample Log

—Bulk Asbestos—

Client: **Terracon**

Project: **25177539**

Sampling Date: **Nov. 30, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
42-SC1-03	6403179	DMV Offices. S. Wall, Window	
25-WB1-03	6403180	2nd Floor Lobby, N. wall, NE corner, 10 ft high	
04-HP2-07	6403181	2nd Floor Lobby, N. wall, NE corner, 9 ft high	
12-PL5-06	6403182	2nd Floor Lobby, N. wall, NE corner, 10 ft high	
23-FT4-03	6403183	2nd Floor Lobby, at N. wall, 3 ft from E. wall	
43-CA3-01	6403184	2nd Floor Lobby Stairs Landing, S. Wall Center, between windows	
44-FT4-01	6403185	Health Dept., Lab doorway	
44-FT4-02	6403186	Health Dept., Nursing Station Room, Storage Room at door	
44-FT4-03	6403187	Health Dept., Exam 2, NE corner by door	
45-FT2-01	6403188	Health Dept., Break Room, S. wall at door	
45-FT2-02	6403189	Health Dept., Lab, W. wall under centrifuge	
45-FT2-03	6403190	Health Dept., Lab, S. wall behind refrigerator	
46-SC6-01	6403191	Health Dept., Break Room, under sink	
46-SC6-02	6403192	Health Dept., Exam 1, under sink	
46-SC6-03	6403193	Health Dept., Exam 2, under sink	
26-PL5-06	6403194	Health Dept., Break Room, S. wall at door	

*labeled 44-FT2-01-703

Sample Log

–Bulk Asbestos–

Client: **Terracon**

Project: **25177539**

Sampling Date: **Nov. 30, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
26-PL5-07	6403195	Health Dept., Exam 2, NE corner	
47-CT4-01	6403196	Health Dept., Lab, E. side ceiling	
47-CT4-02	6403197	Health Dept., Break Room, E. side ceiling	
47-CT4-03	6403198	Health Dept., Exam 4, W. side ceiling	
48-CT4-01	6403199	Health Dept., Nursing Station, W. side ceiling	
49-CA3-01	6403200	Health Dept., Nursing Station, W. wall between windows, 3 ft high	
50-MJ4-01	6403201	WIC West, Front Desk, SW corner, 6" roof drain, 9 ft high	
50-MJ4-02	6403202	WIC West, Front Desk, SW corner, 6" roof drain, 9 ft high	
50-MJ4-03	6403203	WIC West, Front Desk, at N. wall center, 6" roof drain, 9 ft high	
51-MA2-01	6403204	2nd Floor Hallway w/Roof Access, S. wall center, 5 ft high	
51-MA2-02	6403205	2nd Floor Hallway w/Roof Access, N. wall center, 5 ft high	
51-MA2-03	6403206	2nd Floor Hallway w/Roof Access, N. wall center, 1 ft high	
24-FT4-03	6403207	2nd Floor, Conference Room A, S. door under carpet	
27-SC6-02	6403208	2nd Floor Conference Rooms, Kitchenette, under sink	
27-SC6-03	6403209	2nd Floor Conference Rooms, Kitchenette, under sink	
52-CT4-01	6403210	2nd Floor Conference Rooms, 20 ft S of N. wall, 8 ft high ceiling	

Sample Log

–Bulk Asbestos–

Client: **Terracon** Project: **25177539**

Sampling Date: **Nov. 30, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
26-PL5-08	6403211	2nd Floor Conference Rooms, Corner at wall across from Kitchenette	
26-PL5-09	6403212	2nd Floor Conference Rooms, 20 ft. S. of N. wall, 20 ft from W. wall	
43-CA3-02	6403213	WIC East, S. wall between windows	
12-PL5-07	6403214	WIC East, N. wall, 4 ft from E. wall	
25-WB1-04	6403215	WIC East, Clinical Room Hallway, N. wall, 9 ft high	
53-CA7-01	6403216	WIC East, Clinical Room Hallway, N. wall, 9 ft high at conduit penetration	
54-FT2-01	6403217	WIC East, Clinical Room, at door	
54-FT2-02	6403218	WIC East, Clinical Room, at N. wall, NW corner	
54-FT2-01, 3	6403219	WIC East, Clinical Room, at door	
14-SC6-03	6403220	WIC West, Exam 6, under sink	
43-CA3-03	6403221	2nd Floor Lobby Stairs Landing, S. Wall Center, between windows	

Sample Log

—Bulk Asbestos—

Client: **Terracon**

Project: **25177539**

Sampling Date: **Dec. 1, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
55-RF8-01	6403222	South Entrance Canopy Roof, W. side	
55-RF8-02	6403223	South Entrance Canopy Roof, center	
55-RF8-01/3	6403224	South Entrance Canopy Roof, E. side	
56-RF4-01	6403225	South Entrance Canopy Roof, NE corner flashing at wall	
56-RF4-02	6403226	South Entrance Canopy Roof, NE corner flashing at wall	
56-RF4-03	6403227	South Entrance Canopy Roof, NE corner flashing at wall	
57-CA3-01	6403228	South Exterior Wall, 8 ft east of Door, 10 ft high	
57-CA3-02	6403229	South Exterior Wall, 5 ft east of Door, 10 ft high	
57-CA3-03	6403230	South Exterior Wall, 3 ft east of Door, 10 ft high	
58-SC1-01	6403231	South Exterior Window, 8 ft east of Door, 13 ft high	
58-SC1-02	6403232	South Exterior Window, 5 ft east of Door, 13 ft high	
58-SC1-01/3	6403233	South Exterior Window, 3 ft east of Door, 13 ft high	
59-CA3-01	6403234	South Exterior Wall, 8 ft east of Door, 9.5 ft high on gutter	
59-CA3-01/2	6403235	South Exterior Wall, 5 ft east of Door, 9.5 ft high on gutter	
59-CA3-01/3	6403236	South Exterior Wall, 3 ft east of Door, 9.5 ft high on gutter	
60-RF8-01	6403237	Elev. Maint. Room Roof, NE corner	

Sample Log

—Bulk Asbestos—

Client: **Terracon**

Project: **25177539**

Sampling Date: **Dec. 1, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
60-RF8-02	6403238	Elev. Maint. Room Roof, N. center	
60-RF8-03	6403239	Elev. Maint. Room Roof, SW corner	
61-RF4-01	6403240	Elev. Maint. Room Roof, E. wall flashing	
61-RF4-02	6403241	Elev. Maint. Room Roof, N. wall flashing	
61-RF4-03	6403242	Elev. Maint. Room Roof, W. wall flashing	
62-HP2-01	6403243	W. Entrance to Human Services, Entry Ceiling,	
62-HP2-02	6403244	W. Entrance to Human Services, Entry Ceiling, by light	
62-HP2-03	6403245	W. Entrance to Human Services, Entry Ceiling, by light	
63-WB4-01	6403246	W. Entrance to Prob. Dept, Canopy Ceiling, NW corner	
63-WB4-02	6403247	W. Entrance to Prob. Dept, Canopy Ceiling, SW corner	
63-WB4-03	6403248	W. Entrance to Prob. Dept, Canopy Ceiling, SW corner	
64-CA3-01	6403249	W. Ext. Wall, Above Prob. Dept. Canopy Roof	
64-CA3-02	6403250	W. Ext. Wall, Above Prob. Dept. Canopy Roof	
64-CA3-03	6403251	W. Ext. Wall, Above Prob. Dept. Canopy Roof	
65-RF8-01	6403252	W. Entrance to Prob. Dept, Canopy Roof, N. side	
65-RF8-02	6403253	W. Entrance to Prob. Dept, Canopy Roof, center	

Sample Log

—Bulk Asbestos—

Client: **Terracon**

Project: **25177539**

Sampling Date: **Dec. 1, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
65-RF8-03	6403254	W. Entrance to Prob. Dept, Canopy Roof, S. side	
66-RF4-01	6403255	W. Entrance to Prob. Dept, Canopy Roof, N. wall flashing	
67-RF8-01	6403256	South Bldg. Roof, 15 ft from S. Wall, center	
67-RF8-02	6403257	South Bldg. Roof, 25 ft from S. wall, center	
67-RF8-03	6403258	South Bldg. Roof, 35 ft from S. Wall, center	
68-RF4-01	6403259	South Bldg. Roof, South parapet wall flashing, 20 ft from E. wall	
68-RF4-02	6403260	South Bldg. Roof, Cooling Tower flashing, east side	
68-RF4-03	6403261	South Bldg. Roof, North parapet wall flashing, 20 ft from E. wall	

Login

From: Cassie Doherty <CDoherty@iatl.com>
Sent: Friday, December 08, 2017 8:14 AM
To: '5- Login'
Subject: Terracon - Wheat Ridge, CO Project 25177539

Kurt left me a message, said we could put them all in one batch if it's easier for us. Doesn't matter to them. Sorry he took so long to respond.



Cassie L. Doherty
Corporate Accounts Manager
International Asbestos Testing Laboratories, Inc.
9000 Commerce Parkway, Suite B
Mt. Laurel, NJ 08054
P: 856 231-9449 ext. 1021
M: 908-358-8224
www.iatl.com



Fax Cover Sheet

Deliver Promptly To: Kurt Streeb

Company: Terracon, Wheat Ridge

Fax Number: 303-423-3353

Date: 12-12-17

From: Deborah Cassidy, iATL

Number of Pages Including This Page: 2

Message: Please okay these
corrections to your ^{sample} log
re: Larimer County Courthouse project

Sample Log

– Bulk Asbestos –

Client: **Terracon**

Project: **25177539**

Sampling Date: **Dec. 1, 2017**

Bulk Asbestos Sample Log			
Client Sample #	iATL #	Location/Description	Notes
55-RF8-01	6403222	South Entrance Canopy Roof, W. side	
55-RF8-02	6403223	South Entrance Canopy Roof, center	
★ 55-RF8-01/3	6403224	South Entrance Canopy Roof, E. side	
56-RF4-01	6403225	South Entrance Canopy Roof, NE corner flashing at wall	
56-RF4-02	6403226	South Entrance Canopy Roof, NE corner flashing at wall	
56-RF4-03	6403227	South Entrance Canopy Roof, NE corner flashing at wall	
57-CA3-01	6403228	South Exterior Wall, 8 ft east of Door, 10 ft high	
57-CA3-02	6403229	South Exterior Wall, 5 ft east of Door, 10 ft high	
57-CA3-03	6403230	South Exterior Wall, 3 ft east of Door, 10 ft high	
58-SC1-01	6403231	South Exterior Window, 8 ft east of Door, 13 ft high	
58-SC1-02	6403232	South Exterior Window, 5 ft east of Door, 13 ft high	
★ 58-SC1-01/3	6403233	South Exterior Window, 3 ft east of Door, 13 ft high	
59-CA3-01	6403234	South Exterior Wall, 8 ft east of Door, 9.5 ft high on gutter	
★ 59-CA3-01/2	6403235	South Exterior Wall, 5 ft east of Door, 9.5 ft high on gutter	
★ 59-CA3-01/3	6403236	South Exterior Wall, 3 ft east of Door, 9.5 ft high on gutter	
60-RF8-01	6403237	Elev. Maint. Room Roof, NE corner	

APPENDIX F

LEAD LABORATORY ANALYTICAL DATA

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Report Date: 12/12/2017
Report No.: 553370 - Lead Paint
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 6402398	Description: Grey Paint	Result (% by Weight): Void
Client No.: LP-01	Location: Mech Room, Metal Duct, 11/29-12/1/17	Result (ppm): Void
		Comments: **

Lab No.: 6402399	Description: Grey Paint	Result (% by Weight): 0.14
Client No.: LP-02	Location: Mech Room, Metal Door Frame, 11/29-12/1/17	Result (ppm): 1400
		Comments: *

Lab No.: 6402400	Description: Grey Paint	Result (% by Weight): 1.7
Client No.: LP-03	Location: Mech Room Hallway, Metal Handrail, 11/29-12/1/17	Result (ppm): 17000
		Comments:

Lab No.: 6402401	Description: White Paint	Result (% by Weight): 0.42
Client No.: LP-04	Location: Mech Room Hallway, Concrete Wall, 11/29-12/1/17	Result (ppm): 4200
		Comments:

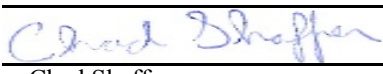
Lab No.: 6402402	Description: Red Paint	Result (% by Weight): Void
Client No.: LP-05	Location: Prob. Room 150, Metal Joist, 11/29-12/1/17	Result (ppm): Void
		Comments: **

Lab No.: 6402403	Description: Grey Paint	Result (% by Weight): Void
Client No.: LP-06	Location: Prob. Break Room, N. Ext. Door Frame, 11/29-12/1/17	Result (ppm): Void
		Comments: **

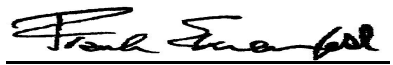
Lab No.: 6402404	Description: Brown Paint	Result (% by Weight): <0.020
Client No.: LP-07	Location: Human Svcs Jan Closet, Metal Door Frame, 11/29-12/1/17	Result (ppm): <200
		Comments: *

Lab No.: 6402405	Description: White Paint	Result (% by Weight): 0.39
Client No.: LP-08	Location: DMV Lobby Under Stairs, Plaster Wall, 11/29-12/1/17	Result (ppm): 3900
		Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/7/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Chad Shaffer

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70,Frontage Rd. N,Suite 3
Wheat Ridge CO 80033

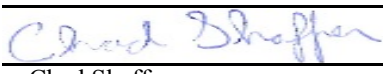
Report Date: 12/12/2017
Report No.: 553370 - Lead Paint
Project: Larimer County Courthouse
Project No.: 25177539

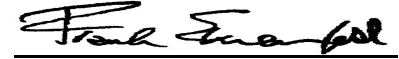
Client: TER780

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 6402406 Client No.: LP-09	Description: Red Paint Location: DMV Storage Rm, Metal Beam, 11/29-12/1/17	Result (% by Weight): Void Result (ppm): Void Comments: **
Lab No.: 6402407 Client No.: LP-10	Description: Light Grey Paint Location: 2nd Floor Lobby, Wood Deck, 11/29-12/1/17	Result (% by Weight): Void Result (ppm): Void Comments: **
Lab No.: 6402408 Client No.: LP-11	Description: Grey Paint Location: Health Dept.Storage Rm, Metal Door Frame, 11/29-12/1/17	Result (% by Weight): <0.020 Result (ppm): <200 Comments: *
Lab No.: 6402409 Client No.: LP-12	Description: White Paint Location: Roof Access Adj. Ladder, Concrete Wall, 11/29-12/1/17	Result (% by Weight): 0.031 Result (ppm): 310 Comments:
Lab No.: 6402410 Client No.: LP-13	Description: White Paint Location: Roof Access Metal Ladder, 11/29-12/1/17	Result (% by Weight): 0.072 Result (ppm): 720 Comments: *
Lab No.: 6402411 Client No.: LP-14	Description: Red Paint Location: 2nd Fl. Conf. Room, Metal Beam, 11/29-12/1/17	Result (% by Weight): <0.017 Result (ppm): <170 Comments: *
Lab No.: 6402412 Client No.: LP-15	Description: White Paint Location: S. Exterior Canopy, Metal Deck, 11/29-12/1/17	Result (% by Weight): 0.32 Result (ppm): 3200 Comments:
Lab No.: 6402413 Client No.: LP-16	Description: White Paint Location: S. Exterior Wall Adj. Human Svcs. Concrete Column, 11/29-12/1/17	Result (% by Weight): 0.016 Result (ppm): 160 Comments: *

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/7/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033


Report Date: 12/12/2017
Report No.: 553370 - Lead Paint
Project: Larimer County Courthouse
Project No.: 25177539

Client: TER780


LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.: 6402414 Client No.: LP-17	Description: White Paint Location: W. Exterior Door To Human Svcs, Metal Door Fr, 11/29-12/1/17	Result (% by Weight): 0.17 Result (ppm): 1700 Comments: *
Lab No.: 6402415 Client No.: LP-18	Description: White Paint Location: N. Exterior Door To Prob., Metal Door, 11/29-12/1/17	Result (% by Weight): <0.0067 Result (ppm): <67 Comments: ***
Lab No.: 6402416 Client No.: LP-19	Description: White Paint Location: N. Exterior Stairs, Metal Steps, 11/29-12/1/17	Result (% by Weight): <0.0061 Result (ppm): <61 Comments:
Lab No.: 6402417 Client No.: LP-20	Description: White Paint Location: N. Exterior Stairs, Metal Handrail, 11/29-12/1/17	Result (% by Weight): <0.0056 Result (ppm): <56 Comments:
Lab No.: 6402418 Client No.: LP-21	Description: White Paint Location: N. Exterior Wall Adj. Prob., Concrete Column, 11/29-12/1/17	Result (% by Weight): <0.0064 Result (ppm): <64 Comments:

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 12/7/2017
Date Analyzed: 12/12/2017
Signature: 
Analyst: Chad Shaffer

Approved By:


Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Terracon
10625 W, I-70, Frontage Rd. N, Suite 3
Wheat Ridge CO 80033

Client: TER780

Report Date: 12/12/2017
Report No.: 553370 - Lead Paint
Project: Larimer County Courthouse
Project No.: 25177539

Appendix to Analytical Report:

Customer Contact:

Analysis: ASTM D3335-85a

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com

iATL Office Manager: cdavis@iatl.com

iATL Account Representative: Cassie Doherty

Sample Login Notes: See Batch Sheet Attached

Sample Matrix: Paint

Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by ASTM D3335-85a by AAS

Certification:

- National Lead Laboratory Program (NLLAP): AIHA-LAP, LLC No. 100188

- NYSDOH-ELAP No. 11021

Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Appendix B.

Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies.

LSD=0.2 ppm MDL=0.005% by weight. RL= 0.010% by weight (based upon 100 mg sampled).

Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

- * Insufficient sample provided to perform QC reanalysis (<200 mg)
- ** Not enough sample provided to analyze (<50 mg)
- *** Matrix / substrate interference possible.

Chain of Custody

– Environmental Lead –

Contact Information

Client Company: Terracon
Office Address: 10625 West I-70 Frontage Rd N.
City, State, Zip: Wheat Ridge, CO 80033
Fax Number: 303-423-3353
Email Address: Kurt.Streeb@terracon.com

Project Number: 25177539
Project Name: Larimer County Courthouse
Primary Contact: Kurt Streeb
Office Phone: 303-454-5255
Cell Phone: 720-201-2476

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- ☒ Paint by AAS: ASTM D3335-85a, 2009
☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
☐ Air by AAS: NIOSH 7082, 1994
☐ Soil by AAS: EPA SW 846 (Soil)
☐ Water by AAS-GF: ASTM D3559-03D, USEPA 40CFR 141.11B, 2010
☐ Other Metals (Cd, Zn, Cr) by AAS
☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: USEPA 1311
☐ Other _____

Special Instructions:

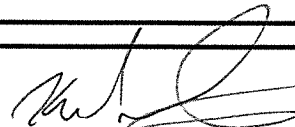
Turnaround Time

Preliminary Results Requested Date: _____ ☐ Verbal ☒ Email ☐ Fax

☐ 10 Day ☐ 5 Day ☒ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization):  Date: 12/6/17 Time: 6:00pm
Received (Name / iATL): _____ Date: _____ Time: _____
Sample Login (Name / iATL): _____ Date: _____ Time: _____
Analysis(Name(s) / iATL): 12/12/17 Date: _____ Time: _____
QA/QC Review (Name / iATL): 12/12/17 Date: _____ Time: _____
Archived / Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

Sample Log

—Environmental Lead—

Client: **Terracon** Project: **25177539**

Sampling Date: Nov. 29-Dec. 1, 2017

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
LP-01	6402398	Mech Room, Metal Duct, Gray					
LP-02	6402399	Mech Room, Metal Door Frame, Gray					
LP-03	6402400	Mech Room Hallway, Metal Handrail, Gray					
LP-04	6402401	Mech Room Hallway, Concrete Wall, White					
LP-05	6402402	Prob. Room 150, Metal Joist, Red					
LP-06	6402403	Prob. Break Room, N. Ext. Door Frame, Gray					
LP-07	6402404	Human Svcs Jan Closet, Metal Door Frame, Brown					
LP-08	6402405	DMV Lobby Under Stairs, Plaster Wall, White					
LP-09	6402406	DMV Storage Rm, Metal Beam, Red					
LP-10	6402407	2nd Floor Lobby, Wood Deck, Light Gray					
LP-11	6402408	Health Dpt. Sige Rm, Metal Door Frame, Gray					
LP-12	6402409	Roof Access Adj. Ladder, Concrete Wall, White					
LP-13	6402410	Roof Access, Metal Ladder, White					
LP-14	6402411	2nd Fl. Conf. Room, Metal Beam, Red					
LP-15	6402412	S. Exterior Canopy, Metal Deck, White					

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

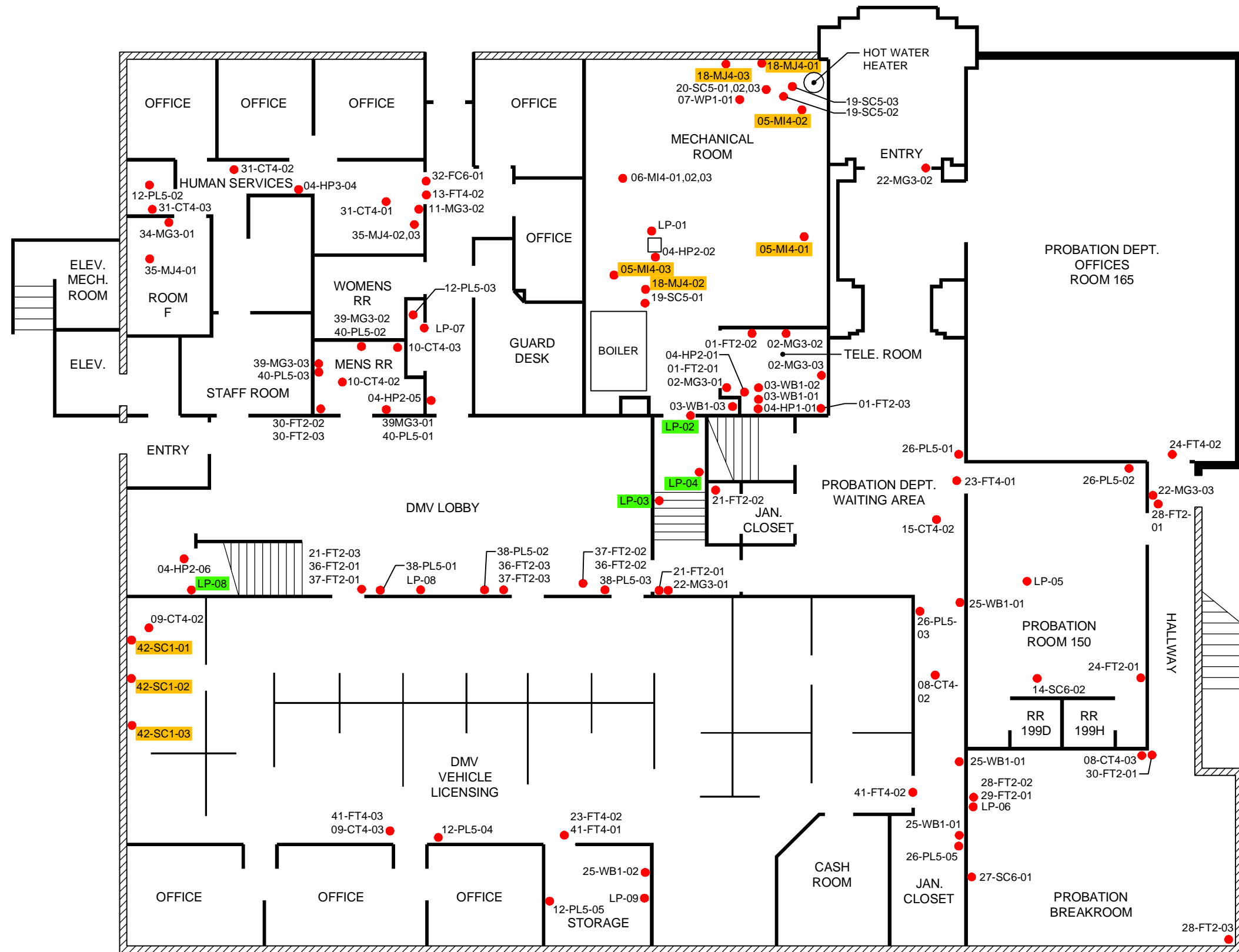
** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

APPENDIX G

FIGURES

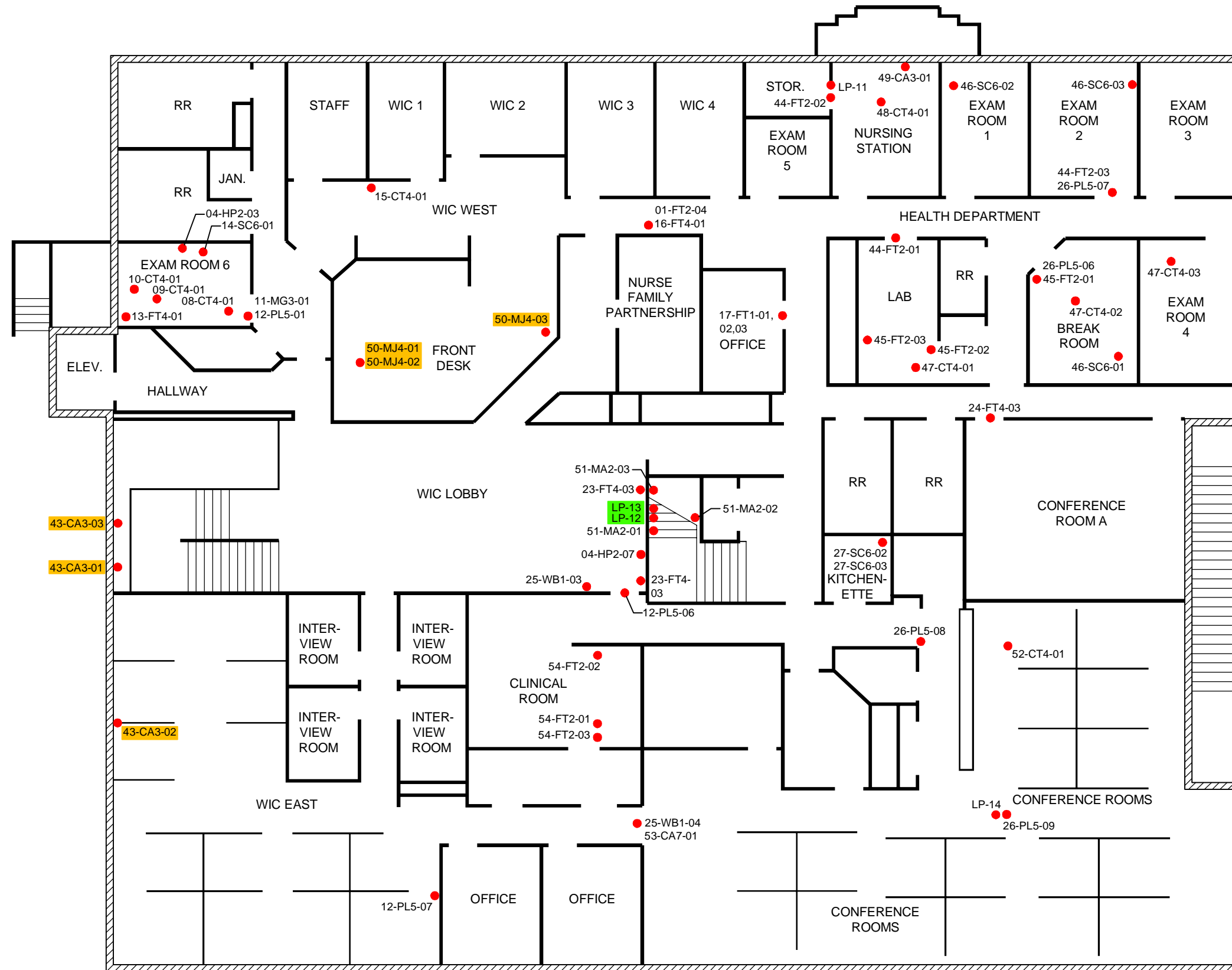


LEGEND:

- XX SAMPLE LOCATION
- SAMPLE POSITIVE FOR ASBESTOS
- SAMPLE POSITIVE FOR LEAD

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mng: KLS		Project No. 25177539		<div>Terracon</div> <div>Consulting Engineers and Scientists</div> <div>10625 W I-70 FRONTAGE RD N, SUITE 3 WHEAT RIDGE, CO 80033 PH. (303) 423-3300 FAX. (303) 423-3353</div>	SAMPLE LOCATIONS		FIGURE No.		
Drawn By: CPD		Scale: NOT-TO-SCALE			LARIMER COUNTY COURTHOUSE				
Checked By: KLS		File No. 25177539.DWG			LOWER FLOOR				
Approved By: KMT		Date: 01.03.2018			205 EAST 6TH STREET LOVELAND, COLORADO				
								1	

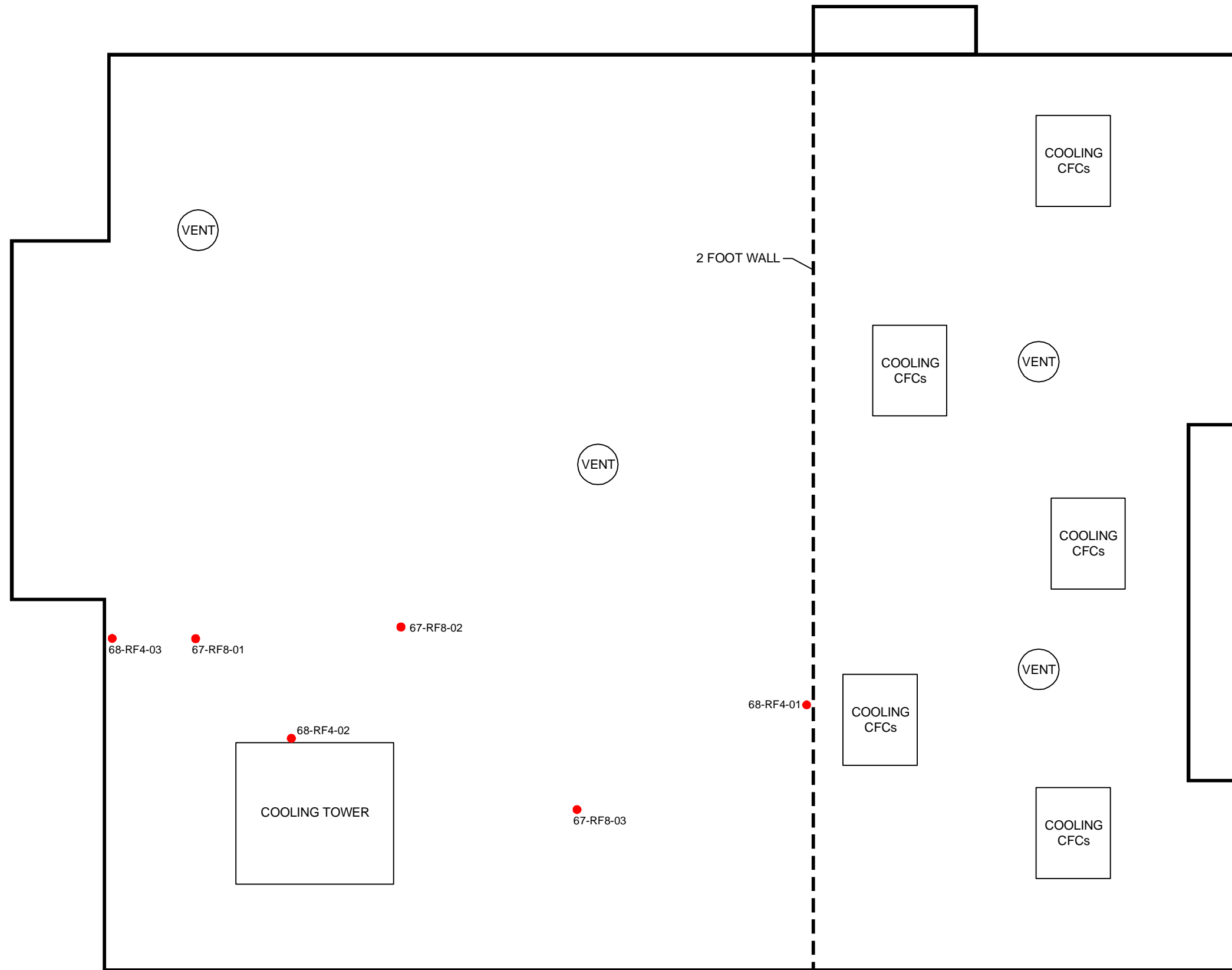


LEGEND:

- XX SAMPLE LOCATION
- SAMPLE POSITIVE FOR ASBESTOS
- SAMPLE POSITIVE FOR LEAD

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

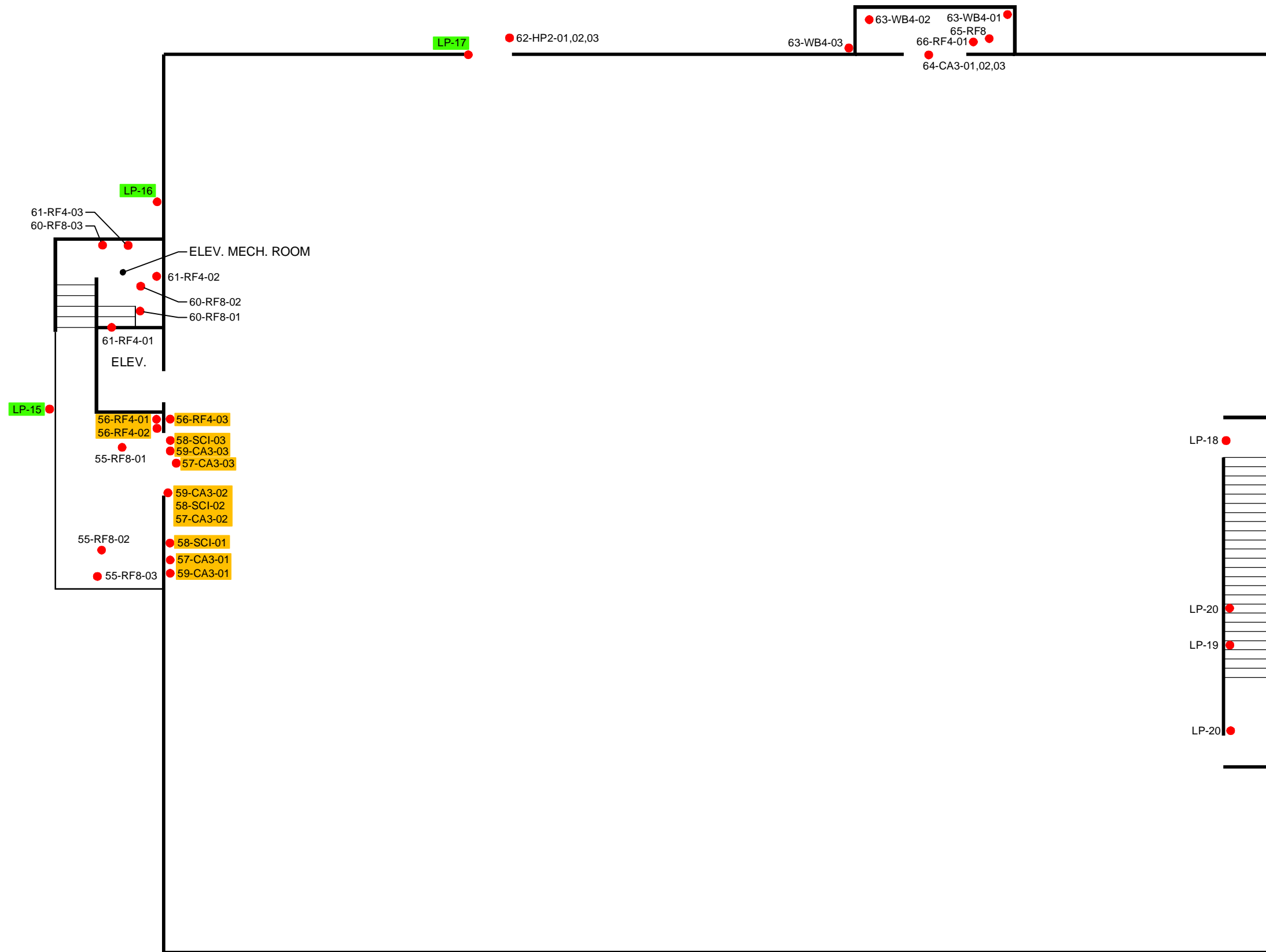
Project Mng:	KLS	Project No.	25177539	Terracon Consulting Engineers and Scientists 10625 W I-70 FRONTAGE RD N, SUITE 3 WHEAT RIDGE, CO 80033 PH. (303) 423-3300 FAX. (303) 423-3353		SAMPLE LOCATIONS LARIMER COUNTY COURTHOUSE UPPER FLOOR 205 EAST 6TH STREET LOVELAND, COLORADO		FIGURE No. 2
Drawn By:	CPD	Scale:	NOT-TO-SCALE					
Checked By:	KLS	File No.	25177539.DWG					
Approved By:	KMT	Date:	01.03.2018					



LEGEND:
● XX SAMPLE LOCATION


DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mngr: KLS	Project No. 25177539	<div>Terracon</div> <div>Consulting Engineers and Scientists</div> <div>10625 W I-70 FRONTAGE RD N., SUITE 3 WHEAT RIDGE, CO 80033 PH. (303) 423-3300 FAX. (303) 423-3353</div>	SAMPLE LOCATIONS LARIMER COUNTY COURTHOUSE ROOF 205 EAST 6TH STREET LOVELAND, COLORADO	FIGURE No. 3
Drawn By: CPD	Scale: NOT-TO-SCALE			
Checked By: KLS	File No. 25177539.DWG			
Approved By: KMT	Date: 01.03.2018			



- LEGEND:
- _{xx} SAMPLE LOCATION
 - SAMPLE POSITIVE FOR ASBESTOS
 - SAMPLE POSITIVE FOR LEAD

DIAGRAM IS INTENDED FOR GENERAL USE ONLY, AND IS NOT FOR CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE.

Project Mng:	KLS	Project No.	25177539	<div><div>10625 W I-70 FRONTAGE RD N, SUITE 3 WHEAT RIDGE, CO 80033 PH. (303) 423-3300 FAX. (303) 423-3353</div></div>		SAMPLE LOCATIONS		FIGURE No.
Drawn By:	CPD	Scale:	NOT-TO-SCALE			LARIMER COUNTY COURTHOUSE		4
Checked By:	KLS	File No.	25177539.DWG			EXTERIOR		
Approved By:	KMT	Date:	01.03.2018			205 EAST 6TH STREET LOVELAND, COLORADO		

APPENDIX H

PHOTOGRAPHS



Photo #1 Site building, south exterior.
View is to the north.



Photo #2 Site building, north exterior.
View is to the southwest.



Photo #3 Site building, east exterior.
View is to the north-northwest.



Photo #4 Site building, west exterior.
View is to the southwest.



Photo #5 Site building roof. View is to the north.



Photo #6 Site building roof. View is to the southwest.



Photo #7 HA-01, 12" x 12" gray mottled floor tile



Photo #8 HA-02, tan cove base adhesive



Photo #9 HA-03, light grey gypsum board



Photo #10 HA-04, tan plaster with white skimcoat



Photo #11 HA-05, gray tape with gray canvass wrap duct insulation



Photo #12 HA-06, black coating on tan fiberglass, duct insulation



Photo #13 HA-07, bray vibration joint cloth



Photo #14 HA-08, 2' x 4' lt gray ceiling tile with horiz. fissures and pinholes



Photo #15 HA-09, 2' x 4' tan ceiling tile with smooth white surface



Photo #16 HA-10, 2' x 4' tan ceiling tile with thick horiz. fissures and holes



Photo #17 HA-11, tan cove base adhesive



Photo #18 HA-12, white knockdown drywall texture



Photo #19 HA-13, yellow carpet adhesive



Photo #20 HA-14, light gray sink undercoating



Photo #21 HA-15, 2' x 4' lt gray ceiling tile with small and medium holes



Photo #22 HA-16, tan carpet adhesive



Photo #23 HA-17, 9" x 9" gray floor tile



Photo #24 HA-18, gray cold and hot water pipe mudded joint fitting



Photo #25 HA-19, white pipe sealant

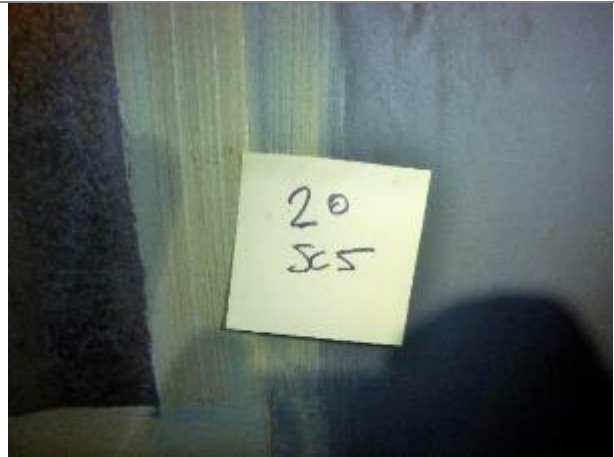


Photo #26 HA-20, brown duct sealant



Photo #27 HA-21, 12" x 12" gray/blue mottled floor tile



Photo #28 HA-22, tan, light brown and cream cove base adhesive



Photo #29 HA-23, yellow/brown carpet adhesive



Photo #30 HA-24, gray carpet adhesive

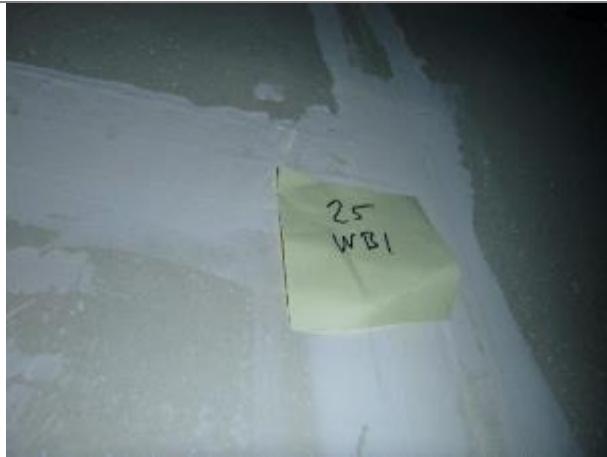


Photo #31 HA-25, light gray gypsum board, tape and joint compound

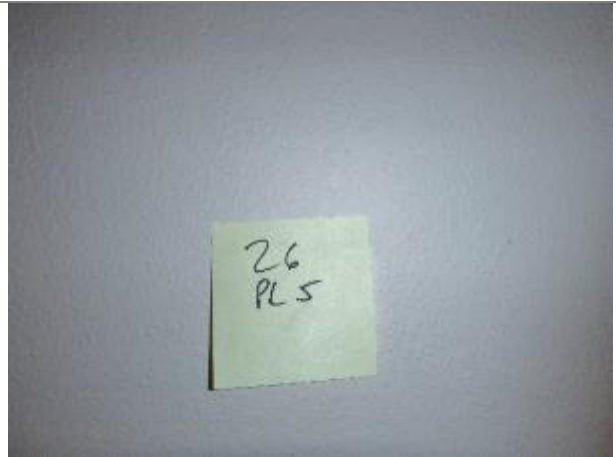


Photo #32 HA-26, knockdown drywall texture



Photo #33 HA-27, gray smooth sink undercoating



Photo #34 HA-28, 12" x 12" brown mottled floor tile



Photo #35 HA-29, 12" x 12" blue mottled floor tile



Photo #36 HA-30, 12" x 12" white floor tile with black and gray spots



Photo #37 HA-31, 2' x 4' pink ceiling tile with horizontal fissures and wide spaced holes



Photo #38 HA-32, gray floor leveling compound



Photo #39 HA-34, yellow cove base adhesive



Photo #40 HA-35, white hot and cold water pipe mudded joint fitting



Photo #41 HA-36, 9" x 9" beige/tan floor tile



Photo #42 HA-37, 12" x 12" gray floor tile with red, black and white spots



Photo #43 HA-38, white light orange peel drywall texture



Photo #44 HA-39, white cove base adhesive

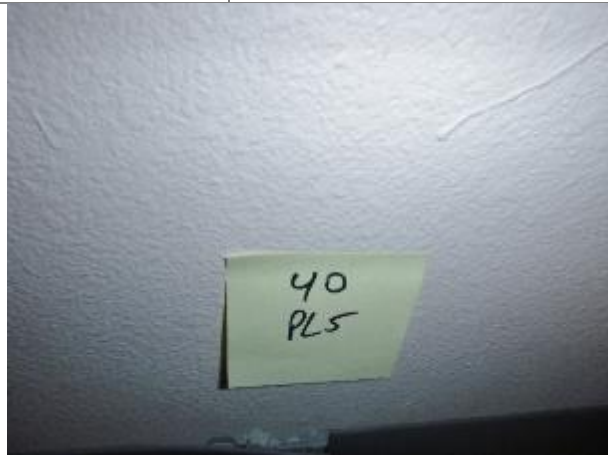


Photo #45 HA-40, white heavy orange peel drywall texture



Photo #46 HA-41, gray/blue carpet adhesive

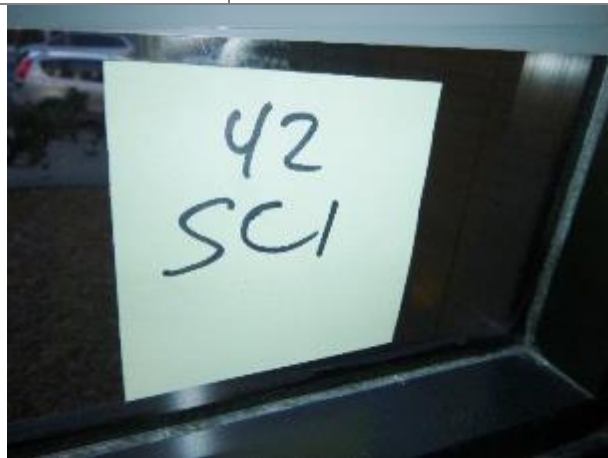


Photo #47 HA-42, gray window glazing

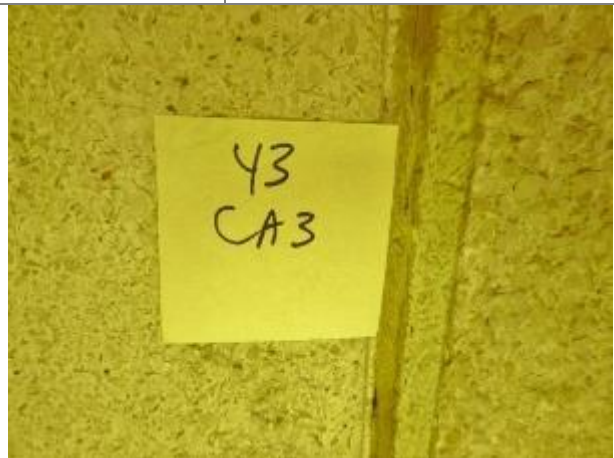


Photo #48 HA-43, gray wall caulking



Photo #49 HA-44, 12" x 12" brown mottled floor

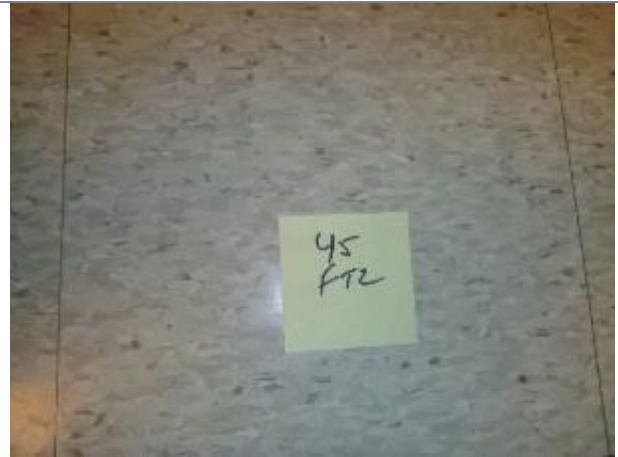


Photo #50 HA-45, 12" x 12" beige floor tile with gray spots



Photo #51 HA-46, black sink undercoating



Photo #52 HA-47, 2' x 4' light gray ceiling tile "galaxy" pattern



Photo #53 HA-48, 2' x 4' tan ceiling tile with small pinholes and large star pinholes



Photo #54 HA-49, white CMU caulking



Photo #55 HA-50, white roof drain pipe fitting insulation



Photo #56 HA-51, white CMU wall sealant



Photo #57 HA-52, 2' x 4' white ceiling tile with chicken feet fissures and pinholes



Photo #58 HA-53, green/blue fire stop



Photo #59 HA-54, 12" x 12" dark tan mottled floor tile



Photo #60 HA-55, black built-up asphaltic roofing with brown insulation



Photo #61 HA-56, gray rolled-on flashing with black tar



Photo #62 HA-57, gray wall caulking



Photo #63 HA-58, white window glazing



Photo #64 HA-59, dark gray caulking



Photo #65 HA-60, white and black built-up roofing with tan insulation



Photo #66 HA-61, white flashing with tan insulation and black tar



Photo #67 HA-62, white ceiling plaster with white skimcoat

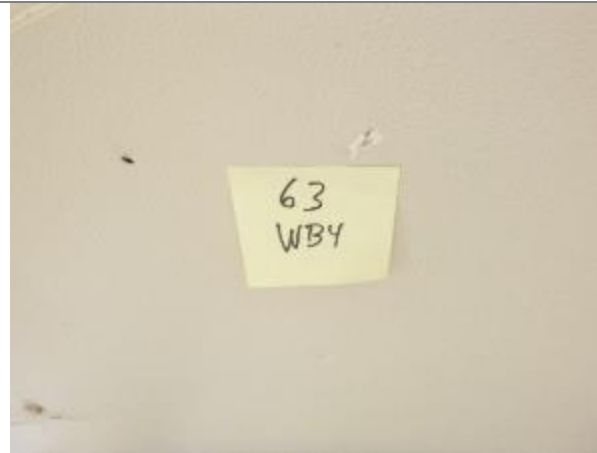


Photo #68 HA-63, white gypsum board ceiling with white skimcoat



Photo #69 HA-65, gray wall caulking



Photo #70 HA-65, silver and black built-up asphaltic roofing



Photo #71 HA-66, gray rolled-on flashing with black tar and silver paint



Photo #72 HA-67, brown built-up asphaltic roofing with brown insulation and styrofoam



Photo #73 HA-68, silver and black roof flashing



Photo #74 HAs-71 & 73, Health Dept. bathrooms, assumed ceramic tile and mirror mastic



Photo #75 HA-71, Probation Dept. bathrooms, assumed ceramic tile



Photo #76 HA-74, Mechanical Room, assumed fuses



Photo #77 LP-01, metal duct with gray paint



Photo #78 LP-02, metal door frame with gray paint

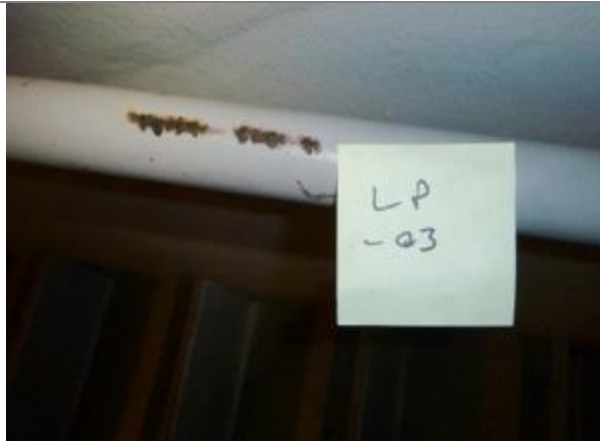


Photo #73 LP-03, metal handrail with white paint



Photo #74 LP-04, metal handrail with gray paint



Photo #75 LP-05, metal ceiling joist with red paint



Photo #76 LP-06, metal door frame with gray paint

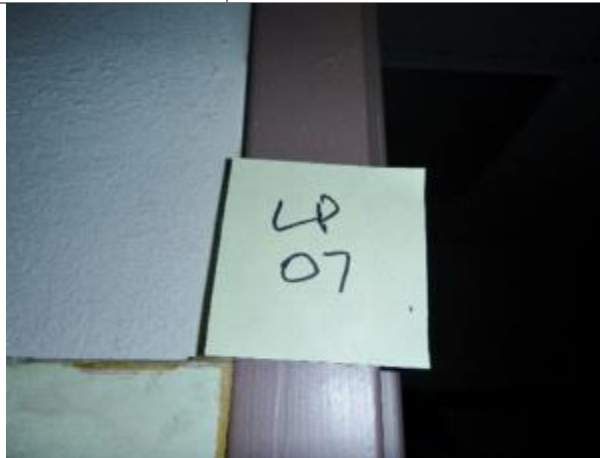


Photo #77 LP-07, metal door frame with brown paint



Photo #78 LP-08, plaster ceiling with white paint



Photo #79 LP-09, metal I-beam with red paint



Photo #80 LP-10, wood ceiling deck with light gray paint



Photo #81 LP-11, metal door frame with gray paint



Photo #82 LP-12, CMU block with white paint



Photo #83 LP-13, metal ladder with white paint



Photo #84 LP-14, metal I-beam with red paint



Photo #85 LP-15, metal post with white paint



Photo #86 LP-16, concrete column with white paint



Photo #87 LP-17, metal door frame with white paint



Photo #88 LP-18, metal door with gray paint



Photo #89 LP-19, metal staircase with white paint



Photo #90 LP-20, metal handrail with white paint



Photo #91 LP-21, concrete column with white paint



Photo #92 Mechanical Room, non-PCBs ballast



Photo #93 Health Department, non-PCBs ballast



Photo #94 Mechanical Room, fluorescent light bulbs



Photo #95 WIC West, fluorescent light bulbs



Photo #96 South exterior, suspect mercury-containing high intensity discharge lamp



Photo #97 Mechanical Room, suspect mercury-containing thermometer



Photo #98 Conference Rooms, suspect mercury-containing thermostat



Photo #99 Roof-top air conditioning units



Photo #100 Mechanical Room, chiller



Photo #101 DMV Lobby, water fountain



Photo #102 Conference Rooms, water fountain



Photo #103 Mechanical Room,
flammables cabinet.



Photo #104 Mechanical Room,
maintenance chemicals.



Photo #105 Probation Dept. Waiting Area
Janitor's Closet, cleaning
chemicals.



Photo #106 Probation Dept. Janitor's
Closet, cleaning chemicals
and paints.



Photo #107 Human Services Janitor's
Closet, cleaning chemicals.



Photo #108 Mechanical Room, non-PCBs
ballast

APPENDIX I

PREVIOUS REPORT

**Survey Report
Asbestos, Lead-Based Paint, PCBs, and Mercury
Larimer County Office Building
205 E. 6th Street
Loveland, CO**

Prepared for:

**Mr. Kevin Gibbs
RKG, Inc.
P.O. Box 7711
Loveland, CO 80537**

**Survey and Report by:
Century Environmental Hygiene, Inc.
Fort Collins, CO
Project # 200-02**

April 12, 2002

Introduction

This report describes the findings of the inspection performed at the Larimer County office building located at 205 East 6th Street, Loveland, CO. The inspection included evaluation of asbestos-containing materials (ACMs), lead-based paint (LBP), polychlorinated biphenyls (PCBs), and mercury. It was performed between March 26 and April 10, 2002 by Deborah Fernandez, a Colorado licensed asbestos inspector, and James Dennison of Century Environmental Hygiene. The scope of the inspection included the older section of the building on the south side. The newer section of the building and exterior of both sections was not included.

During this inspection, ACM was identified on the boiler and ductwork (inside and outside insulation) in the boiler room. No other materials in the building contained asbestos. No LBP or PCBs were identified. Most fluorescent light bulbs were new, but some were of the variety that contains regulated amounts of mercury.

Methods

1. Asbestos

This inspection was performed in accordance with Colorado Regulation 8. The purpose of the inspection was to identify all Asbestos-Containing Materials (ACMs) in the south interior portion of the building. The inspection included limited destructive testing; however, complete demolition of walls and other surfaces to inspect in all locations was outside the scope of work.

Prior to building demolition or renovation, Colorado Regulation 8 (Reg 8) requires that all building materials are tested for asbestos if they are a Reg 8 "suspect material". This generally includes all building materials other than wood, metal, plastic, and concrete, although certain other materials are also known to the Department of Public Health and Environment to be non-suspect. Suspect materials are organized by "homogeneous areas" representing materials of similar type and appearance. These materials are identified in Table 1 in Appendix A by type, locations, and information pertinent to sample collection. If different patterns of the same type of material are found, e.g., different ceiling tiles, different wall textures, they are ordinarily distinguished by adding Roman numerals (e.g., wall texture I, II etc.) Reg 8 stipulates the number of samples of each material which must be collected to determine that a material is non-ACM. All the samples of the homogeneous material must be negative for asbestos for that material to be deemed non-ACM. Otherwise, the material must be considered ACM or further sampled. If lab results indicate that the material has a "trace" amount of asbestos in it, it must be treated as ACM until additional analysis by point count procedures is performed to determine if it is non-ACM in accordance with the definition of ACM. ACM is defined as a material containing more than 1% asbestos fibers.

During this inspection, 56 samples of suspect materials were collected. Suspect materials that were sampled included pipe fitting insulation, duct insulation, wall and ceiling texture, ceiling

tiles, plaster, wall cove, floor tiles, drywall, and drywall mud. The requisite number of samples of each material were collected for analysis and submitted to FRS Geotech and/or EMSL Analytical lab for analysis by Polarized Light Microscopy (PLM). FRS Geotech and EMSL are NVLAP accredited labs, as required by Reg 8. Sample locations and results are summarized on Table 2 attached.

2. Lead-Based Paint

In Colorado, all "child-occupied" buildings must be inspected for lead-based paints (LBPs) prior to renovation in accordance with Colorado Regulation 19 (Reg 19). The county building for this inspection would not be considered child occupied under this regulation. Nevertheless, an LBP inspection was performed to ensure that a safe environment would be maintained during the work.

The lead-based paint inspection was performed by collecting 8 samples of paint chips and submitting them for laboratory analysis. The samples were collected randomly with an effort to obtain samples of different paint colors. They were submitted to EMSL Laboratories for analysis by flame atomic absorption spectrophotometry by method SW846.

3. PCBs and mercury

PCBs are regulated by USEPA under the Toxic Substances Control Act (TSCA). This requires that any light ballasts in buildings be identified and disposed of as PCB wastes. Since the phase out of PCBs occurred, new ballasts are normally marked "non-PCB." Ballasts that are not so marked are assumed to contain PCBs. A random inspection of light ballasts was performed to note the approximate number and type of ballasts in the building.

Mercury in buildings is primarily found in older light bulbs and in thermostats. In accordance with the Resource Conservation and Recovery Act, any mercury in these items need to be disposed of as hazardous waste or recycled. A random visual inspection of the light bulbs to see if they were the newer green-tip variety that contain smaller amounts of mercury and do not require special disposal was performed. Thermostats were also inspected.

Findings

1. Asbestos

The following ACMs were found in the structure.

Table 1
Asbestos Materials

Location	Material
Boiler room	Duct insulation (inside and outside)
Boiler room	Boiler gasket material
Boiler room	Assumed material inside boiler

Duct insulation on the outside of some ducts in the boiler room was coated with a thin layer of asbestos paper or mud, white in appearance. The ducts that were insulated inside the duct were insulated with fiberglass that was coated with a thin black asbestos material.

The boiler has gaskets that contain asbestos. Also, due to the age of the boiler, there is a significant possibility that asbestos materials are located inside the boiler in inaccessible locations. Ordinarily, the inside of the boiler is inspected and sampled if necessary at the time that the boiler is dismantled for disposal. If the boiler room will be set up for abatement of duct insulation, it would be logistically advantageous to have an abatement contractor dismantle the boiler at that time to allow an asbestos inspector to verify whether ACMs are present inside the boiler.

Pipe fittings throughout the building contained traces of ACM. All eight samples that were initially collected were analyzed by point count methods which verified that they contained less than 1% asbestos. Based on these results, the fitting cement is not an ACM.

If any of the materials in Table 1 will be disturbed in future renovations, they must be abated first. Otherwise, they should be placed in an Operations and Maintenance program to prevent unintentional disturbance until abatement occurs.

2. Lead Based Paint

The results of the lead-based paint inspection are attached on Table 2. None of the samples were reported to contain any detectable lead. All paints in the inspected area therefore can be deemed non-LBP.

3. PCBs and mercury

No PCB containing light ballasts were identified during a random inspection of fixtures.

No mercury in thermostats was observed. Most light bulbs were of the green tip variety and can be deemed non-mercury containing. However, some of the older mercury containing light bulbs were identified. These should be removed and disposed of as universal waste at some point in time.

Attachments:

Appendix A: Asbestos Data

Larimer County Facilities-Loveland
205 East 6th Street, Loveland, CO

Type of Material	Location	Sample #	Sample Location	Result
Pipe fitting insulation	Boiler room, 1st floor above ceilings	1	1st floor: Rm 1 west wall above ceiling	0.50%
		2	1st floor: Rm 3 center rm above light	0.75%
		3	1st floor: Rm 2 south wall above ceiling	0.25%
		4	1st floor center E-W hall	0.75%
		5	Entrance to boiler rm bottom of large pipe	0.25%
		6	Boiler Rm: CWR Near H20 heater S corner of room	0.50%
		7	Boiler Rm: West wall 4th vertical pipe 6' up	0.50%
		8	NW side of air handler-CWR pipe bottom	0.25%
2x4 CT white speckled dots	1st floor: throughout	10	Room 1: hall between rooms 3,4,5	ND
2x4 CT white many dots	1st floor: throughout	11	Room 1: hall between rooms 3,4,5	ND
2x4 CT off white dots/line	1st floor: throughout	12	Room 1: hall between rooms 3,4,5	ND
2x4 CT white deep lines	1st floor: throughout	13	East side of bldg: main offices	ND
Duct wrap insulation	Boiler room	14	Air Handler-NE side 6' from floor	40%
		15	N-S vertical duct near 1/2 metal pipe 10' high	30%
		16	Near sample 15 horizontal duct	60%
		17	Horizontal duct near boiler room door and boiler 10' high	60%
		18	NW side of air handler, bottom	60%
		19	Room 10: women's bathroom	ND
12x12 FT Green/black mastic	1st floor: main lobby, east lobby, NE rooms, landing to bsmt, Room 10 women's bath	20	Closet area between Rms 2-3	ND
9x9 FT off white yellow mastic	1st floor: closet between rms 3-4	21	Hallway between Rm 8, 9, 10	ND
Wall texture 1	1st floor: all rooms, halls, 1/2 wall to 2nd floor above entrance to bldg	22	Room 1: south wall	ND
	2nd floor all rooms except bathrooms	23	Room 17 west wall	ND
		24	2nd floor: east side of bldg in N-S hall	ND
		25	2nd floor: Rm 25 east wall	ND
		26	1st floor: Rm 6 east wall	ND
		27	2nd floor: S wall @ elevator	ND
Wall texture 2	1st floor: bathrooms, 1/2 ceiling wall	28	Room 10 women's bathroom	ND
	2nd floor: bathrooms	29	Lobby main unisex bathroom	ND
		30	2nd floor: west side of bldg women's bathroom	ND
Plaster and skim coat	1st & 2nd floor various walls	31	1st floor: E-W hall main lobby	ND

Skim coat	1st & 2nd floor various walls	32	Room 1: north wall	ND
		33	1st floor: rm 10 womens bathroom	ND
		34	2nd floor: west side womens bath	ND
Plaster	1st & 2nd floor various walls	35	2nd floor: Rm 24	ND
		36	1st floor: Rm 10 women's bathroom	ND
		37	2nd floor: west side women's bath	ND
		38	2nd floor: Rm 24	ND
Wall cove brown	1st and 2nd floors: throughout	39	1st floor: Rm 10 near bathroom	ND
		40	1st floor: Rm 17	ND
		41	2nd floor: Door at N end of recpt area	ND
12x12 FT dark brown speckled	2nd floor: west side rm 24, 30	42	2nd floor: west side of bldg by bathroom	ND
2x4 CT Beige deep lines	2nd floor: scattered throughout	43	2nd floor: recpt area center room	ND
2x4 CT white many dots	2nd floor: scattered throughout	44	2nd floor: west side N-S hallway	ND
2x4 CT white deep lines	2nd floor: scattered throughout	45	2nd floor: east side Rm 27 behind recpt area	ND
Mud	Throughout bldg	46	1st floor: closet area between Rms 2-3	ND
		47	1st floor: Rm 10 women's bath	ND
		48	1st floor: Rm 14 north wall	ND
Vinyl wall covering	1st & 2nd floors scattered	57	2nd floor: west side halls by bathrooms	ND
Samples collected on 04-04-02				
Inside duct insulation	Boiler room-Air handler	3	S-end of air handler inside duct	7%
		4	N-S vertical duct inside air handler	ND
Boiler insulation cement	Boiler	5	near sample # 15	ND
Boiler gasket	Boiler	6	Boiler-east side hole	60%
Inside duct insulation	Boiler room-Air handler	7	Gasket-west side of boiler	ND
			Air handler: S wall @ ceiling inside duct	ND
Samples collected on 04-10-02				
Inside duct insulation	Boiler room-Air handler	1	S-end of air handler inside duct, same as 040402-3	8%
Inside duct insulation	Boiler room-Air handler	2	Middle dust near mix box	6%
Inside duct insulation	Boiler room-Air handler	3	Duct near s. wall	7%

Paint Chips	Location
Light mauve crème/off white	2nd floor: west side, hallways 2nd floor: all office spaces,
Dark mauve	1st floor: reception, hallways 2nd floor: reception area
White	1st floor lobby
Green	Offices 2, 3, 4, 5, 6
Off white	E-W hallway across DMV offices 1st & 2nd floors: all bathrooms
Off white	1st floor: East side
off white	1st floor women's bathroom

APPENDIX J

CERTIFICATIONS



1775 West 55th Avenue
Denver, CO 80221
303.410.4941
trainingchc.com



Certifies that

Kurt Streeb

9234

*Has Successfully Completed the EPA Approved Annual Asbestos Refresher Training Course
Under Section 206 of the Toxic Substance Control Act (TSCA), Title II.*

Building Inspector / Management Planner

Course Date: April 24, 2017
Certificate No.: R17-0668-AIMP-CO
No. of Hours: 8
Expiration Date: April 24, 2018
Instructor: Brendan Hainsworth

Certification not valid without watermark

Danaya Benedetto

Danaya Benedetto- Training Program Manager



Colorado Department
of Public Health
and Environment

ASBESTOS CERTIFICATION*

This certifies that

Kurt Streeb

Certification No.: 9234

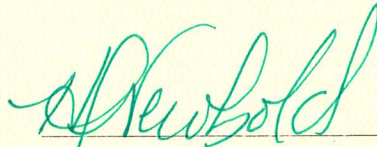
has met the requirements of 25-7-507, C.R.S. and Air Quality Control
Commission Regulation No. 8, Part B, and is hereby certified by the
state of Colorado in the following discipline:

Inspector/Management Planner*

Issued: July 19, 2017

Expires: July 19, 2018

** This certificate is valid only with the possession of a
current Division-approved training course certification
in the discipline specified above.*


Authorized APCD Representative
SEAL



Colorado Department
of Public Health
and Environment

ASBESTOS CONSULTING FIRM

This certifies that

Terracon Consultants, Inc.

Registration No.: ACF - 14838

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos consulting activities as required under Regulation No 8, Part B, in the state of Colorado.

Issued: January 30, 2017

Expires: January 30, 2018

Authorized APCD Representative

SEAL