ASBESTOS AND LEAD BASED PAINT SURVEY

First Baptist Church
101 Broadway Blvd NE
Albuquerque, New Mexico

PREPARED FOR:

Intera
6000 Uptown Boulevard NE
Albuquerque, New Mexico 87107

PREPARED BY:
Acme Environmental Industrial Hygiene Inc
PO Box 9315
Albuquerque, New Mexico 87119

April 8, 2014
Project No. 14-001

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Mr. Joseph Tracy
Intera Corporation
6000 Uptown Blvd. NE, Suite 220
Albuquerque, New Mexico 87110

Subject: Asbestos and Lead Based Paint Survey of the First Baptist Church
101 Broadway Blvd NE
Albuquerque, New Mexico 87102
Project Numbers 14-001

Dear Mr. Tracy:

In accordance with our proposal, Acme Environmental Industrial Hygiene, Inc. has performed an asbestos-containing material and lead based paint inspection of the above-referenced facility, located at 101 Broadway Blvd NE, Albuquerque, New Mexico. The attached report present is our methodology, findings, opinions, and recommendations regarding the survey.

We appreciate the opportunity to be of service to you on this project. Should you have any questions regarding this report, please contact the undersigned at your convenience.

Sincerely,
ACME ENVIRONMENTAL INDUSTRIAL HYGIENE, INC.

David Charlesworth, CIH
J. David Charlesworth, CIH
President

Karen Dremann
Karen Dremann
Environmental Scientist

Distribution: (2) Addressee

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EXECUTIVE SUMMARY

During the weeks of March 27th-April 4th, 2014, Acme Environmental Industrial Hygiene Inc (AEIH) conducted an assessment of the First Baptist Church and Noon Day Ministries located at 101 Broadway Blvd, NE in Albuquerque, New Mexico. The assessment was conducted in a response to a request to identify materials which may be impacted during future renovation or demolition activities. The focus of our inspection was to determine the presence, location and quantity of asbestos remaining within the facility, and to establish the basis for the presence of lead containing finishes within the structure. The space is being evaluated for a confidential client and the concern is that existing materials may contain asbestos and lead in the finishes.

The assessment design was to conduct a room-by-room investigation for asbestos-containing materials. Access the functional spaces, where appropriate; evaluate the exterior surfaces; sample the roofing materials; and sample materials suspect for asbestos within the various buildings. Previous asbestos surveys have identified asbestos containing material in the structure (Vinyard and Associates, Phase I Site Assessment for Albuquerque Public Schools, dated August 13, 2010). Asbestos-containing materials are those containing greater than one percent asbestos as determined by polarized light microscopy. Asbestos has been identified in the vinyl flooring tile, black mastic on the flooring, drywall in the basement of the structure, plaster, flooring materials, roofing materials, transite paneling beneath glass windows in several office partitions, and a roof ductwork surfacing compound.

Lead-based paint is defined as coatings containing surface area lead of 1.0 milligrams per square centimeter (1.0 mg/cm^2) when evaluated by X-Ray Fluorescence. Lead based paint is further defined if laboratory analysis determines the lead content to be one half (0.5 %) percent by weight or greater. The lead assessment of the facility was conducted using an X-Ray Fluorescence (XRF) handheld instrument and further confirmed by paint chip sampling of select areas. The majority of the painted surfaces and finish coatings are not lead based paint. Select finishes on door casing, bathroom partition walls and metal, powder coated finish on cabinetry is lead based paint. The laboratory confirmation samples have determined that the coatings are <u>not</u> defined as lead-based paint but should be considered lead-containing material. The laboratory confirmation indicated concentrations approximately two tenths of one percent (0.2%) by weight as analyzed by Flame Atomic Absorption Spectroscopy.

Lead-based paint was identified in several locations, such as the yellow parking lot paint along the curb of the main entrance which faces west; however <u>lead-containing</u> materials are present and will impact the disposal of the materials.

Although a water intrusion assessment was not part of the scope of services, it was noted that there was water damage in some of the rooms on the Northern side of the original structure. Furthermore, there is significant water damage in the newer annex. Wall plaster had visibly blistered out from water intrusion, and several containers had been strategically positioned to collect water from leaks. During the inspection it was noted that water was present in these containers.

1. INTRODUCTION

In accordance with our proposal, Acme Environmental Industrial Hygiene, Inc (AEIH) has performed an investigation of the former First Baptist Church, 101 Broadway Blvd NE, Albuquerque, New Mexico.

The assessment was conducted in a response to a request to have building materials evaluated for future renovation or demolition activities. The focus of our inspection was to determine the presence, location and quantity of asbestos and lead based paint present within the facility. The space is being renovated for a confidential client and the concern is that existing materials may contain asbestos in building materials and lead in the painted finishes.

This report has been prepared in accordance with generally accepted environmental science and engineering practices. This report is based upon conditions at the subject building at the time of the sampling activities and provides documentation of our findings and recommendations.

2. PURPOSE AND SCOPE OF SERVICES

Intera Corporation requested AEIH to perform an Industrial Hygiene Assessment of the First Baptist Church for the presence of asbestos and lead based paint.

The assessment design was to conduct a room-by-room investigation and assess the facility for the presence of asbestos containing materials, and lead-based paint. The assessment included a quantitative determination of the asbestos and lead content within the structures.

The objective of this assessment was to perform the requisite sampling and present the findings along with any recommendations. The services performed by AEIH are outlined below.

- A reconnaissance of the area was conducted by a Certified Industrial Hygienist (CIH), Mr. David Charlesworth, a Project Manager, Mr. Michael Nieman, and two Accredited Inspectors - Mr. Peter Fling and Mr. Nathan Lyons.
- Sampling was conducted using several different types of assessment tools and laboratory techniques including Polarized Light Microscopy, X-Ray Fluorescence, and Flame Atomic Absorption.
- Report preparation summarizing our sampling methods and laboratory analysis are included. This report further details our conclusions and recommendations for the project.

3. SITE DESCRIPTION

The subject site consists of three buildings, all of which are multiple storied structures. The buildings include the First Baptist Church, the Tower Expansion, the three-story West Addition, and additionally the Noon Day Ministries - which is a separate building located to the west of the church buildings. Located at 101 Broadway Blvd, NE, The First Baptist Church was built in circa 1931, with a five-story Tower Expansion added on to the northeast corner. This tower was built circa 1944-1950 according to the Vinyard & Associates Report. From 1977-1979 the three-story West Addition was added on to the existing buildings. The Noon Day Ministries building is a separate building which was built at a much later date (reportedly 1989). The original church structure contains the original baptismal pool located behind the stage. Just north of the Baptismal pool is a hallway that joins the original Church building with the five-story building, and it contains a series of confessional/changing rooms.

The lower portions of each of the buildings contain numerous large classrooms and bathrooms. Evidence of vandalism is apparent throughout the facility. Numerous copper wires from electrical boxes had been cut and are exposed.

4. ACTIVITIES

During the weeks of March 27th-April 4th, 2014, AEIH conducted an assessment of the First Baptist Church. The asbestos and lead based paint inspection began on the fifth floor of the Tower Structure. Analysis of the painted surfaces incorporated the use of an X-Ray Fluorescence Device. The Olympus Innov-X XRF was used to measure the lead content of surface coatings on representative homogenous components. Approximately 300 XRF readings were recorded and over 70 asbestos samples were collected. Including the Vinyard report, nearly 100 samples of asbestos suspect materials were collected from the structures.

Access to the roofing systems was through the upper floor windows and down the fire escape or ladder access. The roofing systems are varied and indications of multiple repair histories and coatings are present. Samples were collected and sample locations repaired to minimize water intrusion into the structure.

The remainder of the Tower Addition and the main church structures were evaluated for suspect materials and distinct painting histories. The sanctuary ceiling and surfaces were accessible from the balcony areas. There were several rooms where access was not allowed. Please refer to the drawings for an indication of inaccessible areas.

Although it was not part of AEIH's survey, limited water damage was noted in some of the rooms as well as potentially hazardous chemicals in the basement which will need to be assessed. At the time of AEIH's survey, there was noticeable but limited water damage evidence from leaks in the original structure, water damage from the repaired roofing section, and some standing water along the first floor Broadway and Central doorways. There is repaired fire damage along the Southern section of the newer annex building which abuts with the original church structure.

The site sampling activities are described below.

4.1. Asbestos-Containing Materials

Mr. David Charlesworth and Mr. Michael Nieman conducted a visual inspection for asbestos containing material (ACM) at the above mentioned address. Mr. Michael Nieman, Mr. Pete Fling, and Mr. Nathan Lyons collected a total of seventy-four samples that were tested for asbestos using Polarized Light Microscopy and stereomicroscopy bulk asbestos analysis. Analysis was conducted by Crisp Analytical Laboratories, LLC of Carrollton, Texas. Crisp Analytical is an accredited laboratory and recognized by the National Voluntary Laboratory Accreditation Program. Based upon the samples tested, the following materials were identified as asbestos-containing material:

- Gray floor tile
- Tan floor tile
- Black tar

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- Gray floor tile
- Tan floor tile
- Black tar

- Silver surfaced roofing tar
- Transite Panels beneath glass windows
- White surfaced tan floor tile
- Gray floor tile
- Tan streaked floor tile
- Green floor tile
- Black sealant
- White surfacing compound
- Silver surfacing compound
- Fire Doors
- Electrical Wiring
- Tan floor tile
- Black mastic in cove base
- Black mastic on floor tiles throughout the property.

The Environmental Protection Agency has established terminology regarding asbestos and specifically Asbestos-Containing Building Materials (ACBM). Material which is friable are those materials which can be crushed, crumbled or reduced to powder by hand pressure. Non-friable materials are further characterized as Category I Non-Friable or Category II Non-Friable. Category I Non Friable includes four specific items: Packings, Gaskets, Resilient Flooring and Asphalt Roofing. Category II Non-Friable is everything else which cannot be crumbled or pulverized by hand pressure. These items include materials of drywall systems, plasters, asbestos-containing cements (Transite ®) and other materials declared non-friable by the asbestos inspector.

The EPA then clarifies that certain materials are Regulated Asbestos Containing Materials (RACM) and these include the following four designations:

- Friable materials;
- Category I Non-Friable Materials which have become friable;
- Category I Non-Friable Materials which have been subject to sanding, grinding, cutting and abrading; and
- Category II Non-friable materials which will be, or have been, subject to force during demolition or renovation.

Previously, the newer annex of the First Baptist Church had been inspected and Regulated Asbestos Containing Materials are present within the structure. Regulated materials within the facility include, but are not limited to, the wall materials which shall be impacted during the construction activities. Also the Transite panels and any materials listed above to be impacted by the purported renovation or demolition activities.

4.2. Lead Based Paint Assessment

The presence of lead based paint was assessed in substantial compliance with the Housing and Urban Development guidelines. AEIH conducted a lead-based surface coating screening survey of the interior and exterior of the property to generally identify building components coated with lead. The survey consisted of testing the lead concentrations of over 300 interior and exterior surfaces.

To complete the survey, an X- Ray Fluorescence device was used to perform the lead based paint inspection over the course of four days. The Olympus Innov-X XRF is capable of detecting lead in lead based paint. The determination of lead in paint is defined as a surface content of at least 1.0 milligrams per square centimeter. If the readings were between the 0.6 to 1.0 mg/cm^2 range, then the readings are declared as either lead based paint or paint chip sampling is conducted. Paint chip sampling has indicated that the materials are not lead containing.

A total of five paint chip samples were collected and represented areas where the XRF sample data was collected and determined to be suspect for lead, but not confirmed. Surfaces that were tested with the XRF device included, but were not limited to the following: ceiling, painted walls, painted or varnished door components, window components, baseboards, cabinetry, partitions and exterior surfaces such as stucco and parking lot paint.

No paint chip samples were taken from the Noon Day Ministries Building. All XRF readings indicated lead content below the 0.6 mg/cm^2 threshold. The only XRF readings at Noon Day which indicated any detectable lead content were readings from a dark maroon paint which is along the hand railing on the second floor, and along the B wall used to paint Biblical verses in a mural style, and a red paint on water sprinkler fire suppression line. The XRF readings for the Noon Day Ministries were not considered lead based paint.

Exterior XRF device recorded readings indicated lead based paint in the yellow paint along the parking lot. The yellow striping paint was determined to be 1.7 mg/cm^2.

5. ANALYSES AND RESULTS

The results of samples and analysis are presented in the following tables. Copies of the laboratory analytical results are included in the appendix to this document.

5.1. Table 1: Asbestos Sample Analysis

Sample #	Analyst physical description of subsample	Asbestos Type/calibrated/Visual estimate percent
14-001-01	Gray floor tile with mastic 9x9, 5th floor custodian closet	Gray floor tile: 7% Chrysotile, black mastic: 2% Chrysotile
14-001-02	Exterior window casing, off white window putty, A wall 5th floor	None Detected
14-001-03	Transom light glazing putty, off white, 5th floor.	<1% Chrysotile Point Count Analysis 0.25%
14-001-04	Ceiling plaster above 2x4 ceiling tiles. Room 501, white.	None Detected
14-001-05	Hallway floor tile under radiator against D wall, light brown 9x9 tile black mastic West. Fifth Floor	Tan Mastic: None Detected, Tan floor tile: 6% Chrysotile, black mastic: 3% Chrysotile
14-001-06	Brown and light brown striations brown fielded underneath orange carpet, North East Room of stairwell. Fifth Floor	Tan floor tile: 5% Chrysotile, black and tan mastic: 2% Chrysotile.
14-001-07	Black adhesive mastic for cove base on plaster. Fourth Floor	Black mastic: 4% Chrysotile. Tan plaster: None Detected
14-001-08	Beige 12x12 tile West elevator lobby. Fourth Floor	Tan floor tile: 5% Chrysotile, tan mastic: None Detected
14-001-09	Wall A of music room, pre-formed gypsum sound wall. Fourth Floor	None Detected
14-001-10	Gypsum D Wall smooth texture. Fourth Floor	None Detected
14-001-11	Original plaster roofing above 2x4 ceiling tiles; off white plaster. Third Floor	None Detected
14-001-12	Dry wall "rolled on" wall texture of Wall B, North East corner room of 3rd floor. Third Floor	None Detected
14-001-13	Sanctuary 2x4 glued on ceiling tile, white, not laid in, solid cellulose with black mastic.	None Detected
14-001-14	West sanctuary Entrance on the first floor. Wall D, Southern wall, vinyl sheet flooring, blue mosaic pattern.	None Detected
14-001-15	White fire hose 5th floor fire cabinet near West-	None Detected

	ern stairwell	
14-001-16	Door Frame caulking from the east stairwell, gray and elastic. Exit to Roof	None Detected
14-001-17	Miscellaneous stored piping material, old, not functional, black mastic.	4% Chrysotile
14-001-18	Lower East roofing black.	None Detected
14-001-19	Lower East parapet silver	3% Chrysotile
14-001-20	Lower East duct sealant	4% Chrysotile
14-001-21	Duct sealant from swamp cooler, silver	None Detected
14-001-22	Roofing from parapet with black mastic	None Detected
14-001-23	Roofing core black.	None Detected
14-001-24	Duct Sealant silver	<1% Chrysotile Point Count Analysis 0.25%
14-001-25	Parapet, silver black, west "A wall"	<1% Chrysotile Point Count Analysis 0.25%
14-001-26	Roofing core with black mastic	None Detected
14-001-27	Annex Roof parapet, silver 1979 addition	2% Chrysotile
14-001-28	Roofing core, black, 1979 addition	None Detected
14-001-29	Original wooden walkway tar, 1979 addition	None Detected
14-001-30	Tar on piping, roof, 1979 addition	None Detected
14-001-31	Parapet annex East west roof repair from fire. 1979 addition	None Detected
14-001-32	Underneath changing rooms, ceiling plaster above 2x4 lay in tiles. Second Floor	Trace Actinolite
14-001-33	Vinyl floor tile, off white with gray accents, 12x12. Second Floor	None Detected
14-001-34	Choir closet cove base with brown mastic. Second Floor	None Detected
14-001-35	West End offices, glass wall lower portion, sus-	24% Chrysotile

	pected Transite, light gray panel. Second Floor	
14-001-36	Brown crossover vinyl 9x9 floor tile. Second Floor	7% Chrysotile
14-001-37	Floor tile, 9x9 off white. First Floor	8% Chrysotile
14-001-38	First Floor sheet rock texture, North Center.	None Detected
14-001-39	First Floor sheet rock texture, North Center. First Floor	Tan streaked floor tile: 3% Chrysotile. Tan floor tile: 7% Chrysotile, Black mastic: 2% Chrysotile
14-001-40	Dark green 9x9 floor tile basement under stairwell closet with black mastic.	Green floor tile: 6% Chrysotile. Black mastic: 3% Chrysotile.
14-001-41	Duct seam mastic, Basement, black.	8% Chrysotile
14-001-42	Sheet rock wall, pink, Basement	White compound: 2% Chrysotile
14-001-43	Basement window putty, boiler room.	None Detected
14-001-44	Roof mastic gray	None Detected
14-001-45	Duct seam sealer silver, Noon Day facility	3% Chrysotile
14-001-46	Sheet rock texture white, Noon Day facility	None Detected
14-001-47	Eastern Stairwell Beige/Gray 12x12 Tile Noon Day facility	None Detected
14-001-48	East Entrance white blue Tile blue 12x12, Noon Day facility	None Detected
14-001-49	Men's RR wall texture white, Noon Day facility	None Detected
14-001-50	Janitor's room beige 12x12 Tile, Noon Day facility	None Detected
14-001-51	Kitchen sheet flooring pink, Noon Day facility	None Detected
14-001-52	Kitchen sheet flooring beige, Noon Day facility	None Detected
14-001-53	Kitchen sheet flooring gray, Noon Day facility	None Detected
14-001-54	SE classroom wall texture 2nd floor white, 1979 Addition	None Detected
14-001-55	SE classroom cove base adhesive 2nd floor white, 1979 Addition	None Detected
14-001-56	SE hall closet 12x12 Tile beige 2nd floor, , 1979 Addition	Not Analyzed

14-001-57	Center Classroom wall texture 2nd floor, 1979 Addition	None Detected
14-001-58	Atrium ceiling texture (broom finish) 2nd floor white, 1979 Addition	None Detected
14-001-59	East stair vestibule beige 12x12 2nd floor, 1979 Addition (Similar to the Vinyard Report)	3% Chrysotile
14-001-60	North East Classroom turquoise 12x12 Tile 1st floor, 1979 Addition	None Detected
14-001-61	North East Classroom turquoise 12x12 Tile 1st floor, 1979 Addition	3% Chrysotile
14-001-62	NE Classroom wall texture 1st floor white, 1979 Addition	None Detected
14-001-63	East/West Kitchen beige 12x12 Tile 1st floor, 1979 Addition	3% Chrysotile
14-001-64	Dining room gray deep fissure floor tile 1st floor, 1979 Addition	4% Chrysotile
14-001-65	Center classroom wall texture 2nd floor white, 1979 Addition	None Detected
14-001-66	Basement pipe Thermal System Insulation Hard fitting mechanical room white, 1979 Addition	None Detected
14-001-67	Basement Mechanic room fire proofing gray, 1979 Addition	None Detected
14-001-68	Basement Mechanic room fireproofing gray, 1979 Addition	None Detected
14-001-69	Basement Mechanic room fireproofing gray, 1979 Addition	None Detected
14-001-70	Mechanic Room stairwell wall texture white, 1979 Addition	None Detected
14-001-71	Exterior stucco east wall tan, Noon Day facility	None Detected
14-001-72	Exterior stucco North Wall tan, Noon Day facility	None Detected
14-001-73	Exterior Stucco West wall tan, Noon Day Facility	None Detected
14-001-74	Plaster ceiling patch second floor, Northern center section, Second Floor Ceiling patch material.	None Detected

Lead Sampling and Assessment

Over 500 XRF readings were recorded for the facility. The entire table of XRF readings can be referenced in the appendix to this document. The painted components containing greater than 1.0 mg/cm^2 can be referenced in the discussion to the report. The painted components which fell into the inconclusive range for the XRF performance characteristic sheet included the five items below. These five were sampled and the lead content verified by Flame Atomic Absorption by an independent laboratory. Samples were analyzed by LA Testing of Garden Grove, California. LA Testing is a laboratory accredited by the Environmental Lead Laboratory Accreditation Program.

5.2. Table 2: Paint or Finish Sample Analysis

Sample Number	XRF Reading (mg/cm^2)	Lead Sample Results (% by weight)	Comments/Descriptions
14-001-PB01	1.06	0.032%	Cabinet fixture Room 203 Gray/Blue.
14-001-PB02	0.8	0.039	Plaster Ceiling 203.
14-001-PB03	0.8	<0.010	D wall Men's bathroom 206, white.
14-001-PB04	0.8	0.035	Plaster ceiling tile, white.
14-001-PB05	0.8	0.030	Plaster Paint B wall stairwell, white.

mg/cm^2 – milligrams per centimeter squared, % by weight or percent by weight.

The Environmental Protection Agency has determined that Lead Based Paint is material containing greater than 1.0 milligrams per centimeter squared or at least 0.5 percent by weight when analyzed by Atomic absorption Spectroscopy.

6. FINDINGS AND CONCLUSIONS

The findings of this assessment are based on our visual observations and analysis of the measurements collected from the facility. Our findings are presented below.

6.1. Asbestos Sampling Analysis

The current visual inspection and sampling of building materials revealed previously undocumented sources of asbestos-containing materials. Asbestos was detected primarily in various vinyl floor tiles, the black mastic used to adhere the floor tiles to the substrate, roofing material and basement drywall materials. There were numerous electrical wire insulation casings which were white and fibrous that are suspected to contain asbestos. Samples of the wire insulation were not taken due to safety regards of the AEIH crew. Although electricity has been shut off for the original building, there is still some electrical power feeding the facility as evidenced by lighting and electrical outlets

still in use. All five floors of the original building contain the same 9x9 gray floor tiles which have been reported to contain at least seven (7%) percent Chrysotile asbestos. The black mastic adhering the tile to the substrate was observed in all five floors as well, and sample analysis has indicated the asbestos content to be two (2%) percent Chrysotile. Black mastic was noted throughout the property.

The door to the boiler room in the basement of the original building was noted as having an Underwriters Laboratory sheet metal fire door. Before demolition this door should be inspected and sampling performed to determine if the insulation is containing asbestos.

Materials reported by Crisp Analytical Laboratory as asbestos-containing material are those materials with greater than one percent asbestos content by Polarized Light Microscopy. Materials with one percent asbestos were further characterized by the Point Count Method. The verification by Point Count Method using PLM determines if the material may be disposed as municipal waste and not as Regulated Asbestos Waste under the New Mexico Solid Waste Regulations. Seventy-four (74) suspected asbestos samples included twenty-one (21) samples that were shown to contain greater than one percent asbestos. Should demolition of the structures be planned, the materials would be considered Regulated Asbestos Containing Materials and Regulated Asbestos Waste by the New Mexico Solid Waste Regulations. Four of the seventy-four samples analyzed indicated asbestos in less than one percent concentrations. Samples 14-001-03, 14-001-24 and 14-001-25 indicated concentrations below one percent. Sample 14-001-32 was reported to contain Actinolite asbestos in concentrations below one percent. Samples with concentrations below one percent should be handled wet and properly packaged. Exposure to significant levels of asbestos fibers can be detected in air samples from disturbances of building materials containing less than one percent.

6.2. Lead Based Paint Analysis

AEIH conducted a lead-based surface coating screening survey of the interior and exterior of the property to generally identify building components coated with or containing lead. The survey consisted of testing the lead concentrations of over seventy (70) interior and exterior surfaces.

AEIH conducted a Lead-based Paint (LBP) survey of the property. A total of five (5) paint samples were collected of potential lead-based paint materials including: wall paint, cabinet fixture paint, and ceiling plaster paint. During the survey, testing combinations in representative room equivalents were sampled by X-Ray Fluorescence (XRF) in substantial compliance with the XRF protocols established by EPA and presented as guidance in the Housing and Urban Development (HUD) publications. Performance of this survey is consistent and in substantial compliance with the documented methodologies identified by EPA and HUD.

Based on the readings from the XRF devices some materials inside and outside of the First Baptist Church building are considered painted with Lead-based Paint (LBP), however they are either factory made or make up relatively small square footage areas.

Lead Based Paint Components include;

- Orange-yellow bathroom stalls in the second floor Women's bathroom (1.7 mg/cm^2).
- Men's restroom which has similar Orange painted bathroom stalls (1.06 mg/cm^2).
- Wall painted cabinet (1.060 mg/cm^2). One of the above mentioned paint chip samples were of this same material, it is a blue-grey paint.
- Interior of one of the street level entrance door.(1.19 mg/cm^2).

Lead-Based Paint (LBP) is defined by HUD and the EPA as paint containing lead in amounts greater than or equal to 1.0 mg/cm^2 lead when analyzed by XRF or greater than 5000 parts per million or 0.5 percent by weight when analyzed by Flame Atomic Absorption. No painted materials were in excess of the limits as established by the Flame Atomic Absorption laboratory analysis.

There are materials in this building though that are considered painted with "lead-containing" paint. Lead-containing paint is nearly ubiquitous in the facility and contractors should follow the elements of the standard promulgated by the Occupational Safety and Health Administration. The Lead in Construction Standard 29 CFR 1926.62 applies to exposures to materials containing lead and includes paint which has detectable levels of lead as represented in the First Baptist Church painted surfaces.

Numerous hazardous chemicals were noted in the basement and documented with photographs. Some of the chemicals include but are not limited to, muriatic acid, phosphoric acid solution, and mineral spirits. Numerous containers of paint were also noted in the basement.

7. RECOMMENDATIONS

Based on our visual observations and the monitoring results, AEIH recommends the following:

- The identification of certain materials containing asbestos has been identified in the facility. Asbestos is present in the above listed materials and includes the vinyl floor tile, black mastic, roofing construction materials, asbestos cement paneling (Transite), roof duct seam sealer and sheet rock texture in the basement. The asbestos-containing materials are considered Regulated Asbestos Containing Materials as defined by the State of New Mexico and the federal Environmental Protection Agency. The materials will require abatement before substantial renovation or demolition can commence.

- Materials containing less than one percent asbestos should be handled with care and kept wet during disturbance, handling, packaging and disposal. Caulking, roof sealant in select areas and plaster in select areas should be carefully evaluated and handled with similar pre-cautions as asbestos containing materials until assessments indicate that employees handling these materials will not be exposed.

- The fire doors in the structure were not individually cored. It is recommended that during construction or demolition activities that the fire doors be individually reviewed for asbestos content. The boiler room door is a rated door and attention should be directed to this door. Similarly, the electrical wiring in the older portions of the structure is suspect for asbestos content as well.

- The Lead-based Paint survey did not indicate lead in excess of the regulatory limits for EPA or the HUD Guidelines. The paint is considered "lead-containing" and is regulated by OSHA in regards to those individuals which could be exposed during repair, renovation or demolition. It is recommended to have trained professionals in the OSHA Lead Construction standard handle the lead-containing materials during disturbance of the material. Additionally a determination shall be made in terms of the disposition of the waste materials and whether testing for the Toxicity Characteristic Leachate Procedure is required for this material impacted in the future renovations.

We appreciate the opportunity to provide sampling and assessment of this area. Should you have additional questions, or if conditions change substantially, please contact us at your earliest convenience.

Sincerely,

Acme Environmental Industrial Hygiene, Inc.

David Charlesworth

David Charlesworth

Certified Industrial Hygienist

8. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities.

The environmental interpretations and opinions contained in this report are based on the results of instrumentation, laboratory tests and/or analyses Acme Environmental Industrial Hygiene, Inc. has no involvement in, or control over, such equipment, testing and/or analysis. Acme Environmental Industrial Hygiene, Inc, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the

broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Acme Environmental Industrial Hygiene, Inc. has no control.

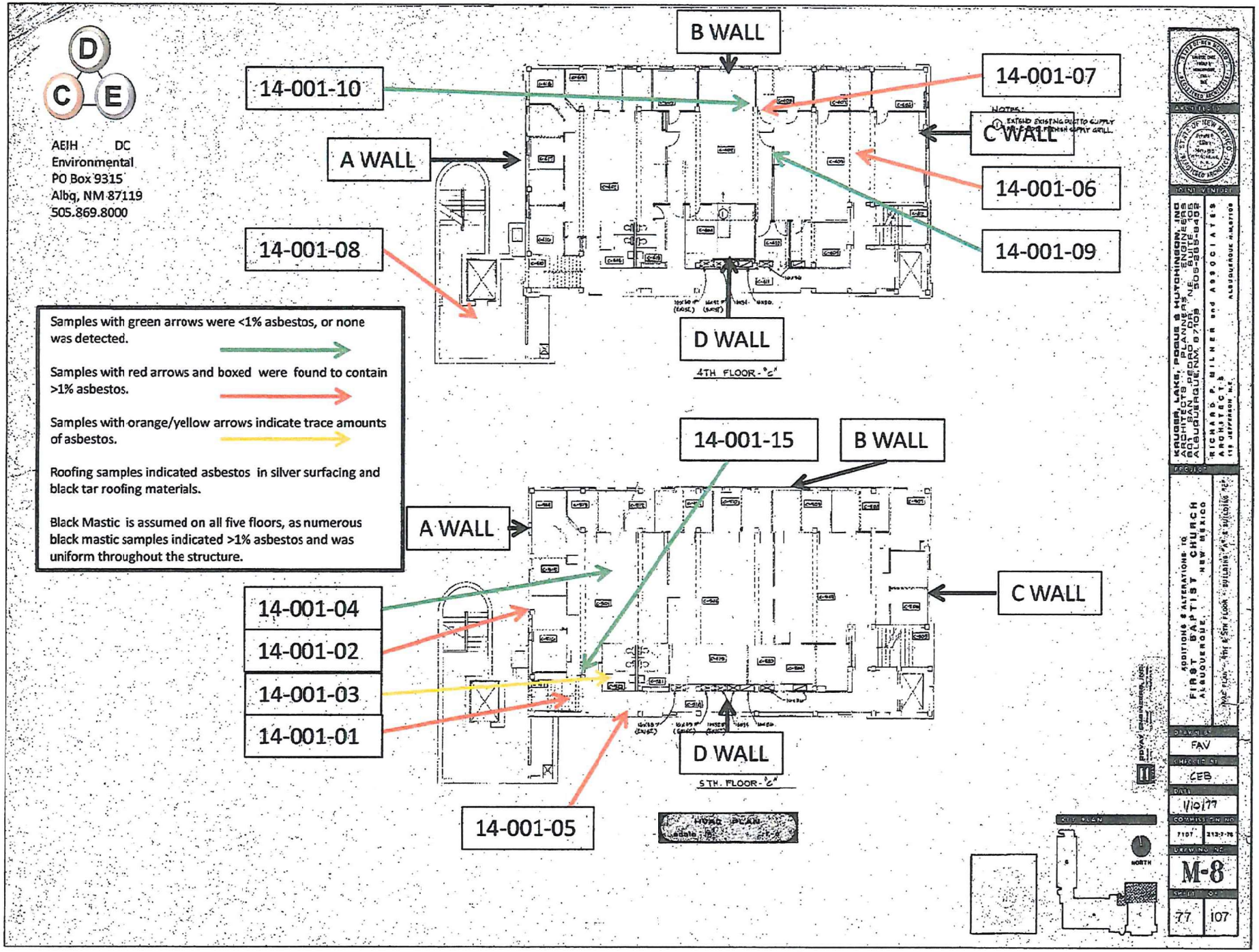
This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Acme Environmental Industrial Hygiene, Inc. should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

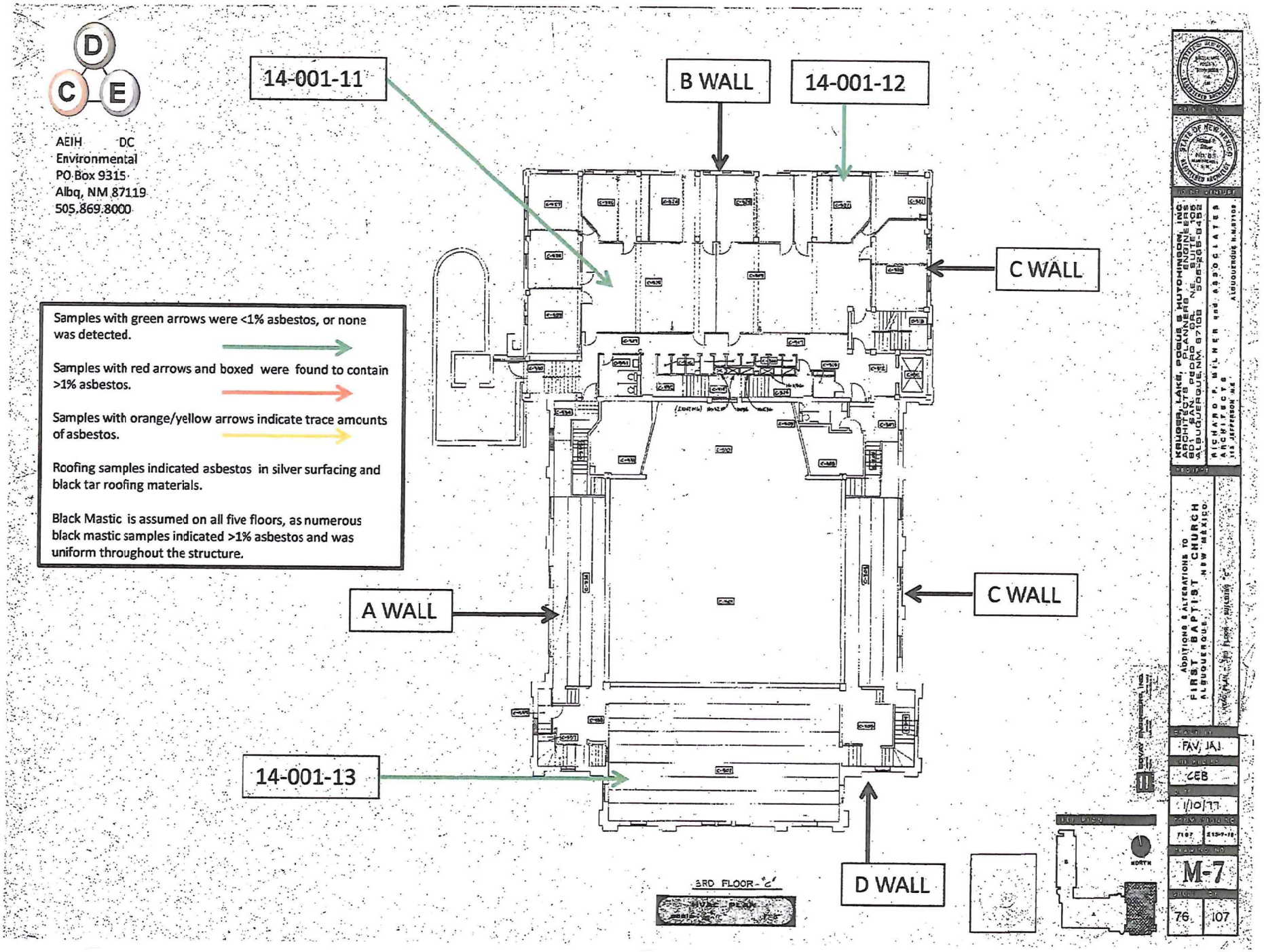
This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

Appendices:

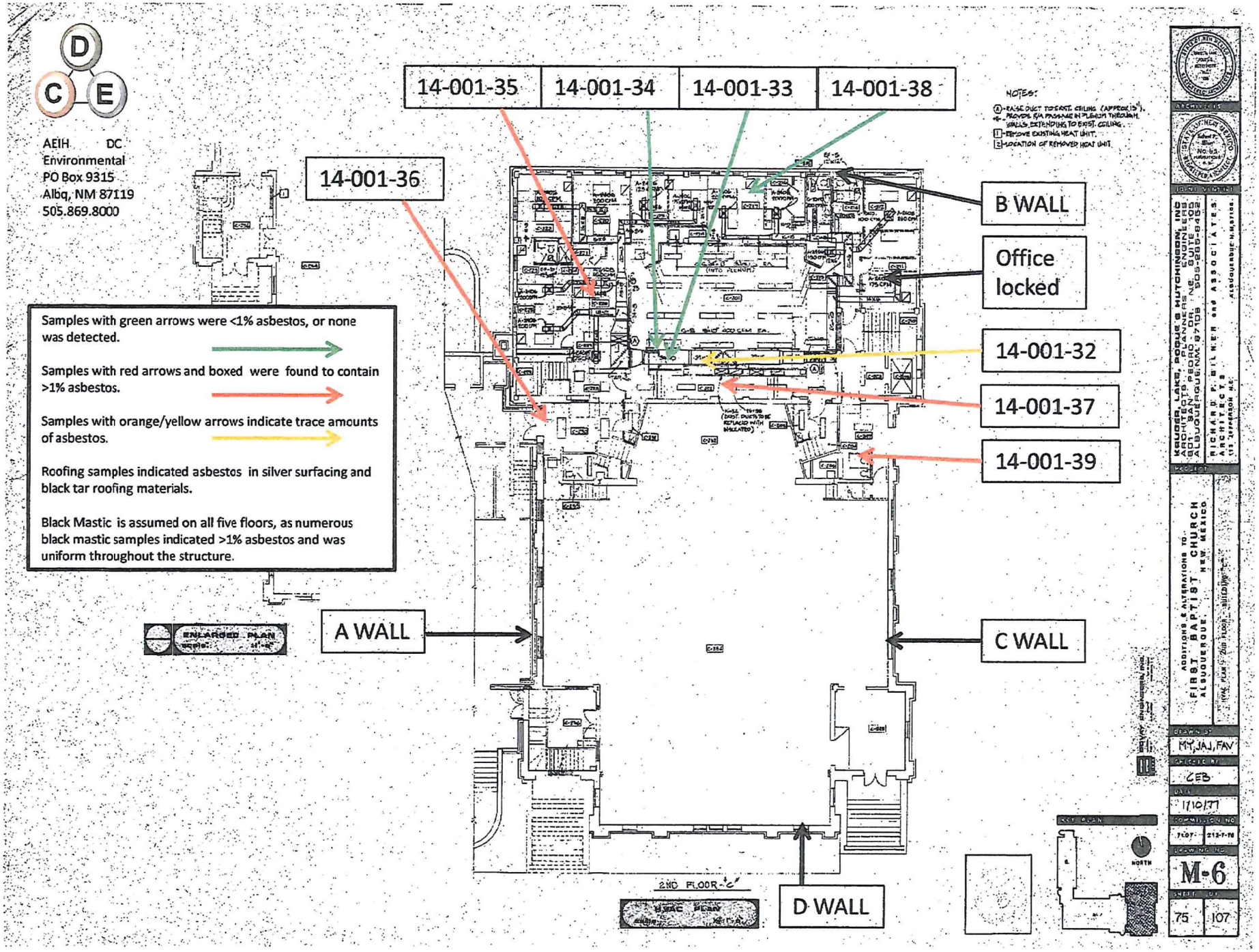
Appendix A

Diagram of the Asbestos Locations


B WALL
14-001-10
14-001-07
A WALL
C WALL
14-001-06
14-001-08
14-001-09
D WALL
4TH FLOOR - "C"
Samples with green arrows were <1% asbestos, or none was detected.
Samples with red arrows and boxed were found to contain >1% asbestos.
Samples with orange/yellow arrows indicate trace amounts of asbestos.
Roofing samples indicated asbestos in silver surfacing and black tar roofing materials.
Black Mastic is assumed on all five floors, as numerous black mastic samples indicated >1% asbestos and was uniform throughout the structure.
14-001-15
B WALL
A WALL
C WALL
14-001-04
14-001-02
14-001-03
14-001-01
D WALL
5TH. FLOOR - "C"
14-001-05
WORK PLAN
AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000
KRUGER, LAKE, POGUE & HUTCHINSON, INC
ARCHITECTS AND PLANNERS
ALBUQUERQUE, NM 87108
505-265-8408
RICHARD P. MILNER and ASSOCIATES
ARCHITECTS
ALBUQUERQUE, N.M.
ADDITIONS & ALTERATIONS TO
FIRST BAPTIST CHURCH
ALBUQUERQUE NEW MEXICO
DRAWN BY
FAV
CHECKED BY
CEB
DATE
1/10/17
M-8
77
107



AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000


AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000
14-001-35
14-001-34
14-001-33
14-001-38
14-001-36
B WALL
Office locked
14-001-32
14-001-37
14-001-39
A WALL
C WALL
D WALL
Samples with green arrows were <1% asbestos, or none was detected.
Samples with red arrows and boxed were found to contain >1% asbestos.
Samples with orange/yellow arrows indicate trace amounts of asbestos.
Roofing samples indicated asbestos in silver surfacing and black tar roofing materials.
Black Mastic is assumed on all five floors, as numerous black mastic samples indicated >1% asbestos and was uniform throughout the structure.
ENLARGED PLAN
2ND FLOOR-'C'
NOTES:
KRUGER, LAKS, POQUE & HUTCHINSON, INC
ARCHITECTS ENGINEERS
PLANNERS
ALBUQUERQUE, NEW MEXICO 87108 505-265-8402
RICHARD P. MILNER and ASSOCIATES
ARCHITECTS
ADDITIONS & ALTERATIONS TO:
FIRST BAPTIST CHURCH
ALBUQUERQUE, NEW MEXICO
2nd FLOOR PLAN
DRAWN BY
MY, JAJ, FAV
CHECKED BY
ZEB
DATE
1/10/17
JOB NO
DRAWING NO
M-6
SHEET NO
75
107
KEY PLAN
NORTH

AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000

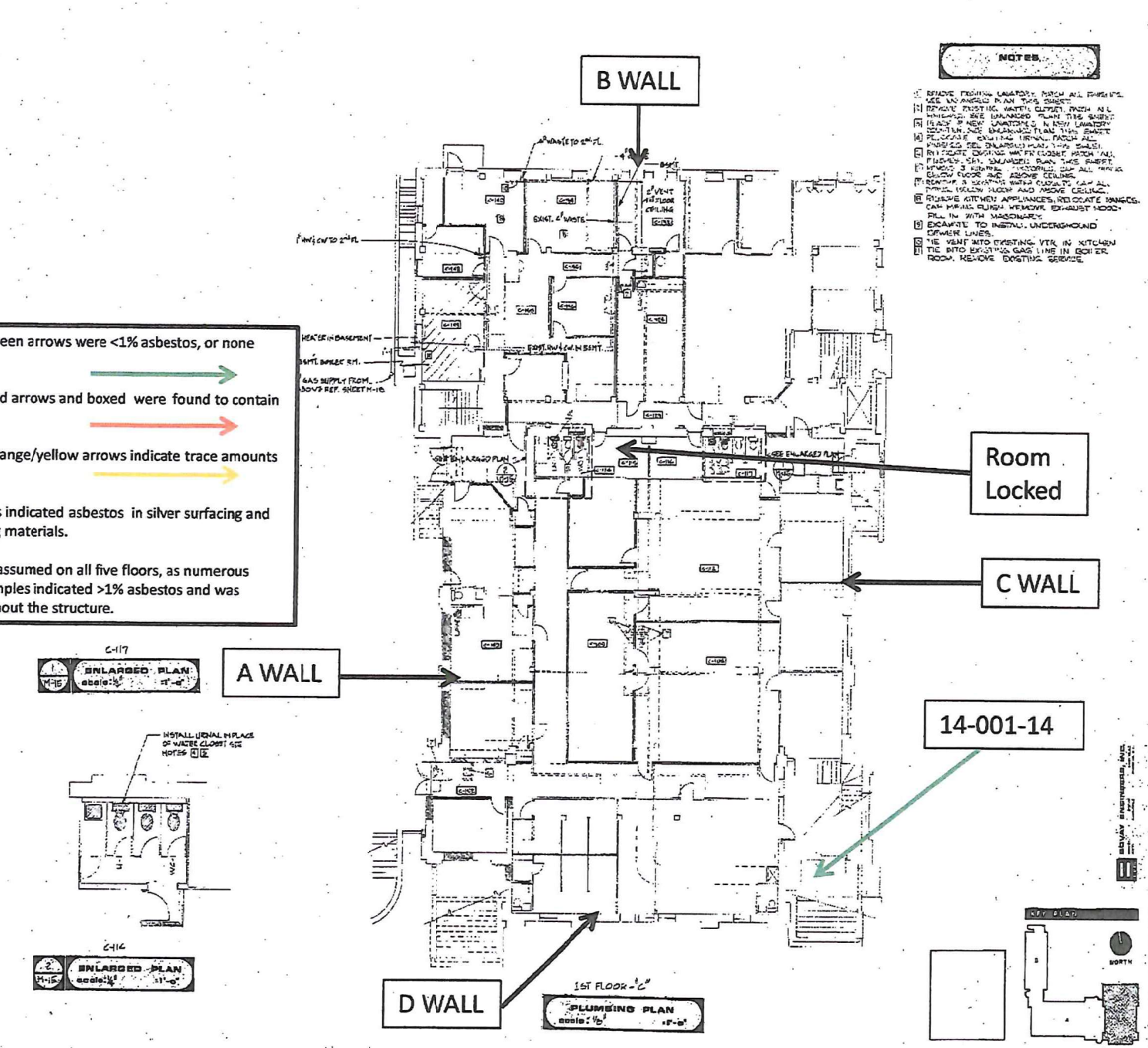
Samples with green arrows were <1% asbestos, or none was detected.

Samples with red arrows and boxed were found to contain >1% asbestos.

Samples with orange/yellow arrows indicate trace amounts of asbestos.

Roofing samples indicated asbestos in silver surfacing and black tar roofing materials.

Black Mastic is assumed on all five floors, as numerous black mastic samples indicated >1% asbestos and was uniform throughout the structure.

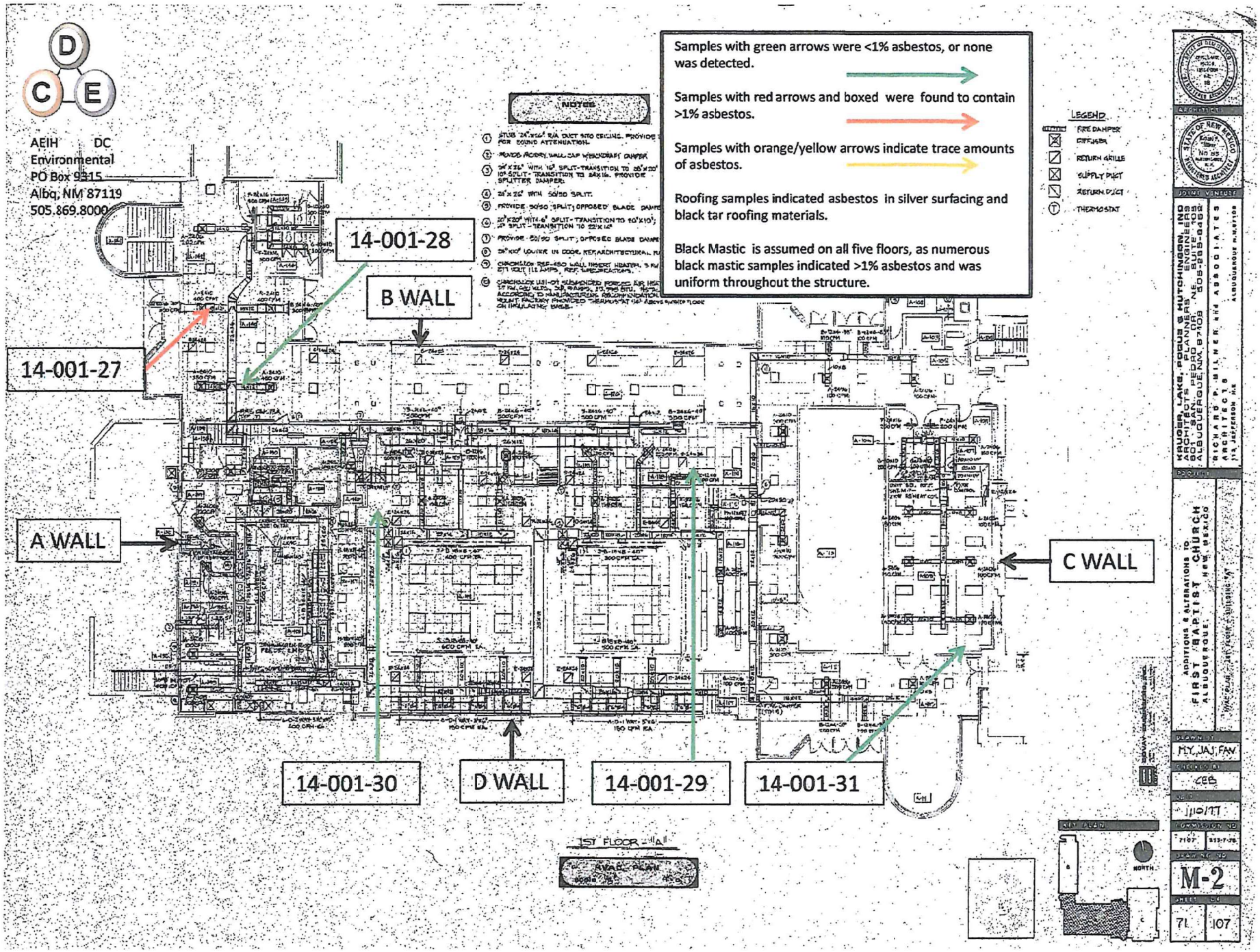


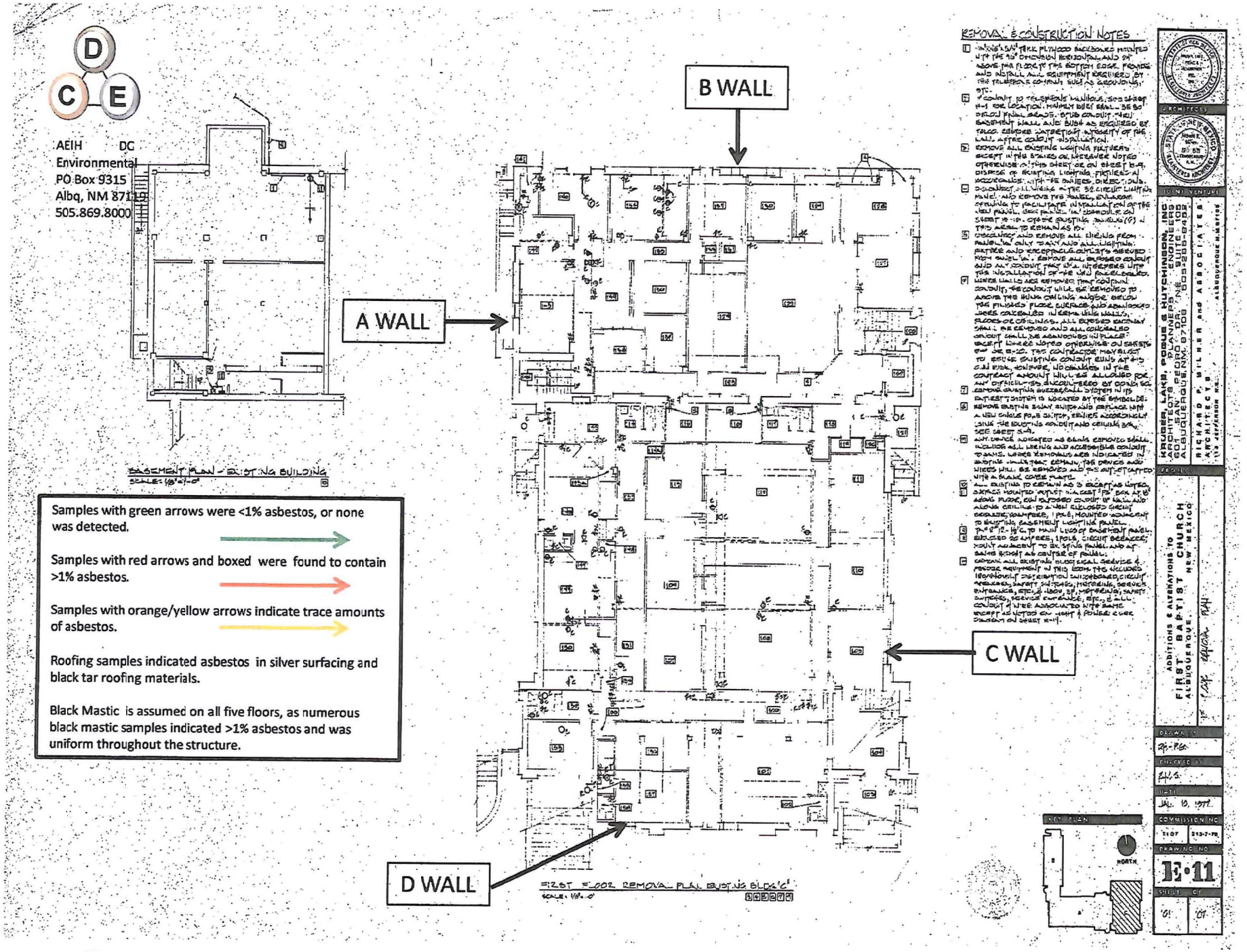
KRUGER, LAKE, POGUE & HUTCHINSON, INC
ARCHITECTS & ENGINEERS
601 GAYNOR PLACE NE
ALBUQUERQUE, NM 87108 505-265-4492
RICHARD P. WILNER and ASSOCIATES
ARCHITECTS
115 JEFFERSON NE
ALBUQUERQUE N.M. 87108

ADDITIONS & ALTERATIONS TO
FIRST BAPTIST CHURCH
ALBUQUERQUE, NEW MEXICO

Plumbing Plan - 1st Floor / Building 5

DRAWN BY: JAJ, FAV
CHECKED BY: CEB
DATE: 1-10-77
COMMISSION NO: 7107 713-7-28
DRAWING NO: M-15
SHEET OF: 84 107


D
C E
AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000
Samples with green arrows were <1% asbestos, or none was detected.
Samples with red arrows and boxed were found to contain >1% asbestos.
Samples with orange/yellow arrows indicate trace amounts of asbestos.
Roofing samples indicated asbestos in silver surfacing and black tar roofing materials.
Black Mastic is assumed on all five floors, as numerous black mastic samples indicated >1% asbestos and was uniform throughout the structure.
NOTES
LEGEND
FIRE DAMPER
DIFFUSER
RETURN GRILLE
SUPPLY DUCT
RETURN DUCT
THERMOSTAT
14-001-28
B WALL
14-001-27
A WALL
C WALL
14-001-30
D WALL
14-001-29
14-001-31
1ST FLOOR - "A"
KEY PLAN
NORTH
STATE OF NEW MEXICO
REGISTERED ARCHITECT
No 193
KRUGER, LAKE, POOLE & HUTCHINSON, INC
ARCHITECTS PLANNERS ENGINEERS
601 SAN PEDRO NE SUITE 105
ALBUQUERQUE, NM. 87108 505-265-8458
RICHARD P. MILNER AIA ASSOCIATES
ARCHITECTS
314 JEFFERSON N.E. ALBUQUERQUE N.MEXICO
ADDITIONS & ALTERATIONS TO
FIRST BAPTIST CHURCH
ALBUQUERQUE, NEW MEXICO
DRAWN BY
MY, JAJ, FAV
CHECKED BY
CEE
DATE
1/10/17
COMMISSION NO
7107
DRAWING NO
M-2
SHEET
71
OF
107



AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000

Samples with green arrows were <1% asbestos, or none was detected.

Samples with red arrows and boxed were found to contain >1% asbestos.

Samples with orange/yellow arrows indicate trace amounts of asbestos.

Roofing samples indicated asbestos in silver surfacing and black tar roofing materials.

Black Mastic is assumed on all five floors, as numerous black mastic samples indicated >1% asbestos and was uniform throughout the structure.

Appendix B

Diagram of the Lead Findings

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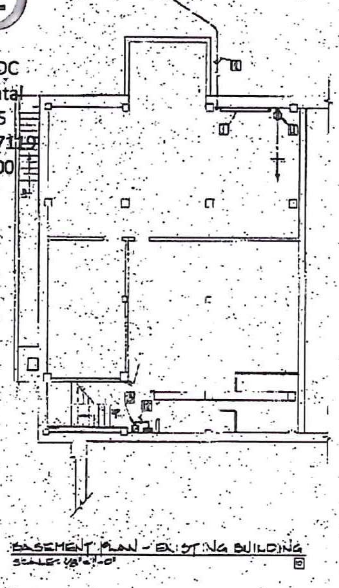
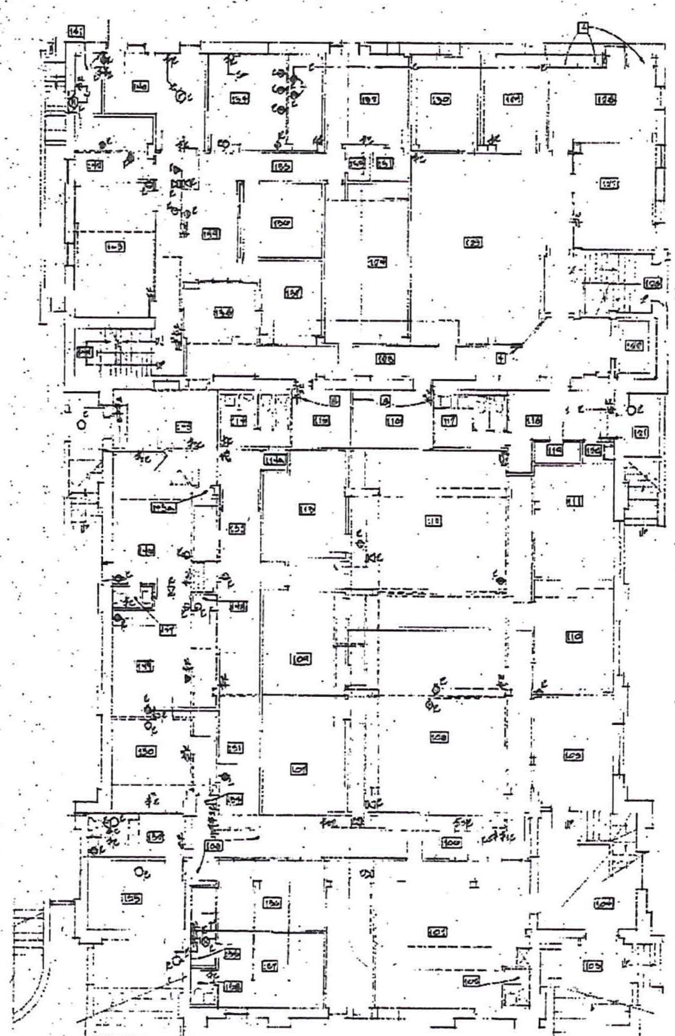
Albq, NM 87119
505.869.8000



BASEMENT PLAN - EXISTING BUILDING
SCALE: 1/8" = 1'-0"

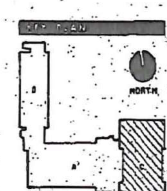
XRF device samples are depicted by a green arrow.

Physical lead samples taken are depicted by an orange arrow. At 0.2%, all lead samples taken are within regulatory guidelines. All lead samples had concentrations of less than 0.2%.



FIRST FLOOR REMOVAL PLAN EXISTING BLDG 'C'
SCALE: 1/8" = 1'-0"

REMOVAL & CONSTRUCTION NOTES



KRUGER, LAKE, POGUE & HUTCHINSON, INC
ARCHITECTS PLANNERS ENGINEERS
801 SAN PEDRO DR. NE SUITE 105
ALBUQUERQUE, N.M. 87108 505-265-8402

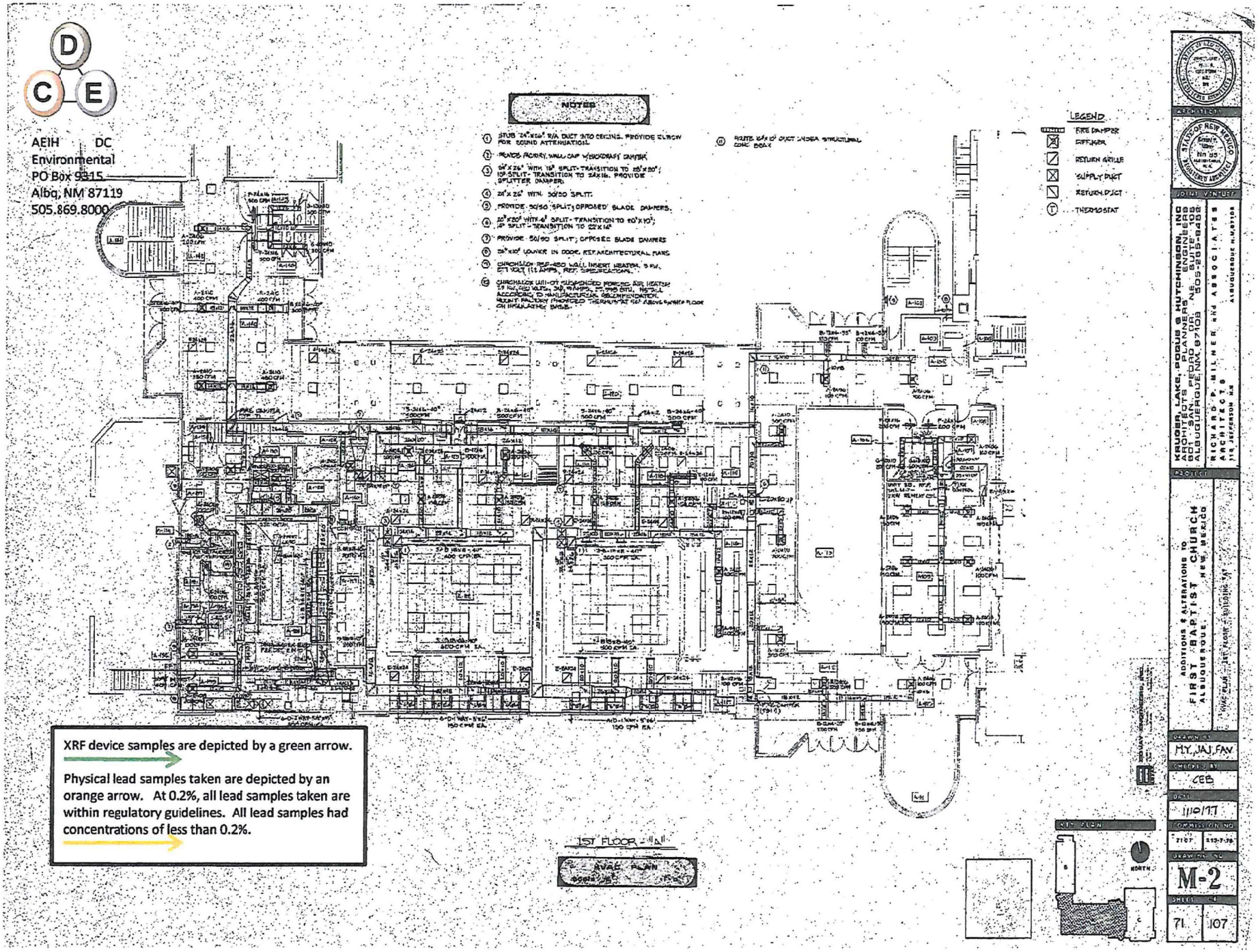
RICHARD P. WILHER and ASSOCIATES
ARCHITECTS
113 JEFFERSON N.E. ALBUQUERQUE N.M. 87108

ADDITIONS & ALTERATIONS TO
FIRST BAPTIST CHURCH
ALBUQUERQUE, NEW MEXICO

FIRST FLOOR REMOVAL PLAN

DRAWN BY	
CHECKED BY	R.W.S.
DATE	JAN. 10, 1972
COMMISSION NO	2107
DRAWING NO	E-11
SHEET OF	

AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000



XRF device samples are depicted by a green arrow.

Physical lead samples taken are depicted by an orange arrow. At 0.2%, all lead samples taken are within regulatory guidelines. All lead samples had concentrations of less than 0.2%.

KRUGER, LAKE, PODUS & HUTCHINSON, INC
ARCHITECTS PLANNERS ENGINEERS
801 SAN PEDRO NE SUITE 105
ALBUQUERQUE, NM 87108 505-265-8488

RICHARD P. MILNER AIA ASSOCIATES
ARCHITECTS
119 JEFFERSON N.E. ALBUQUERQUE N.M. 87108

JOINT VENTURE

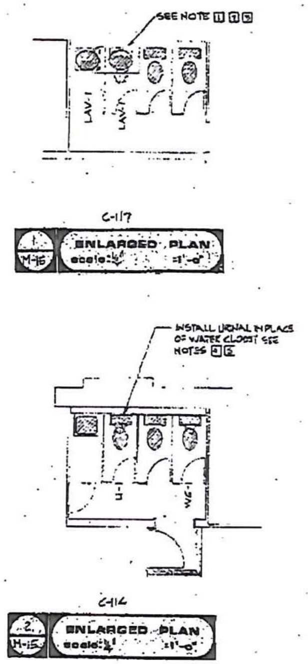
ADDITIONS & ALTERATIONS TO
FIRST BAPTIST CHURCH
ALBUQUERQUE, NEW MEXICO

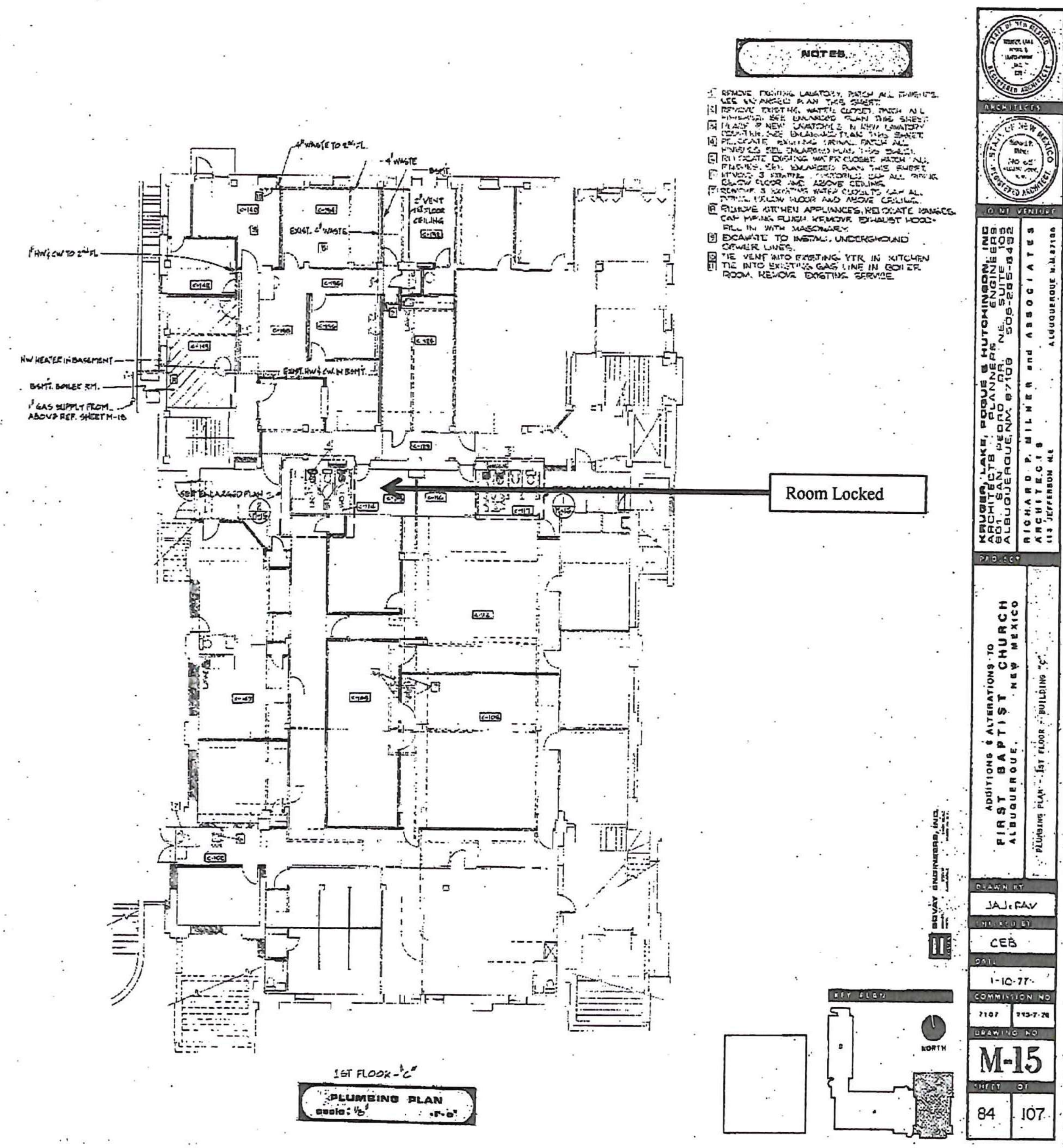
DRAWN BY: M.Y., JAJ, FAV
CHECKED BY: CEB
DATE: 1/10/17
COMMISSION NO: 7107 213-7-76
DRAWING NO: M-2
SHEET 71 OF 107

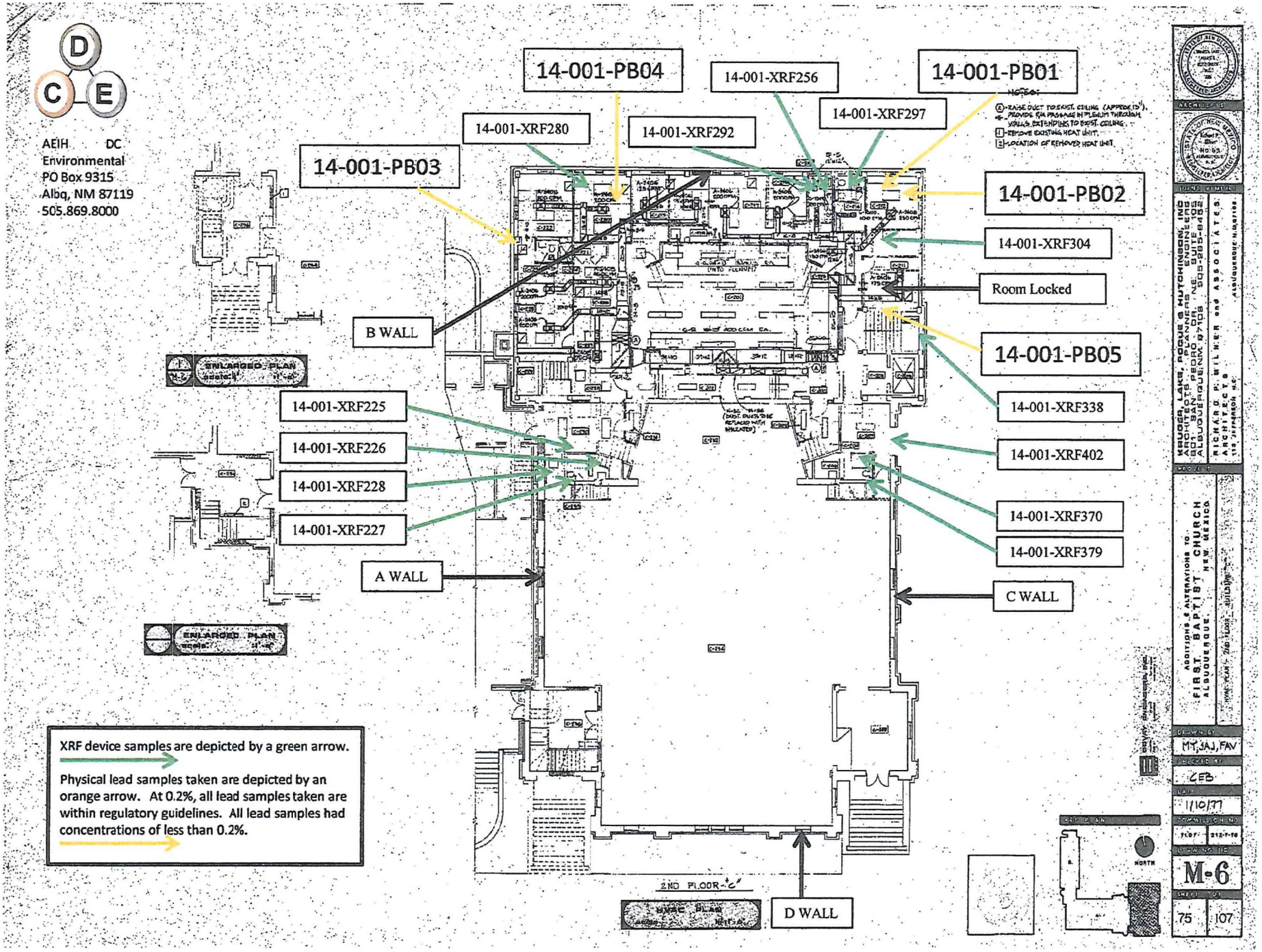
AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000

XRF device samples are depicted by a green arrow.

Physical lead samples taken are depicted by an orange arrow. At 0.2%, all lead samples taken are within regulatory guidelines. All lead samples had concentrations of less than 0.2%.



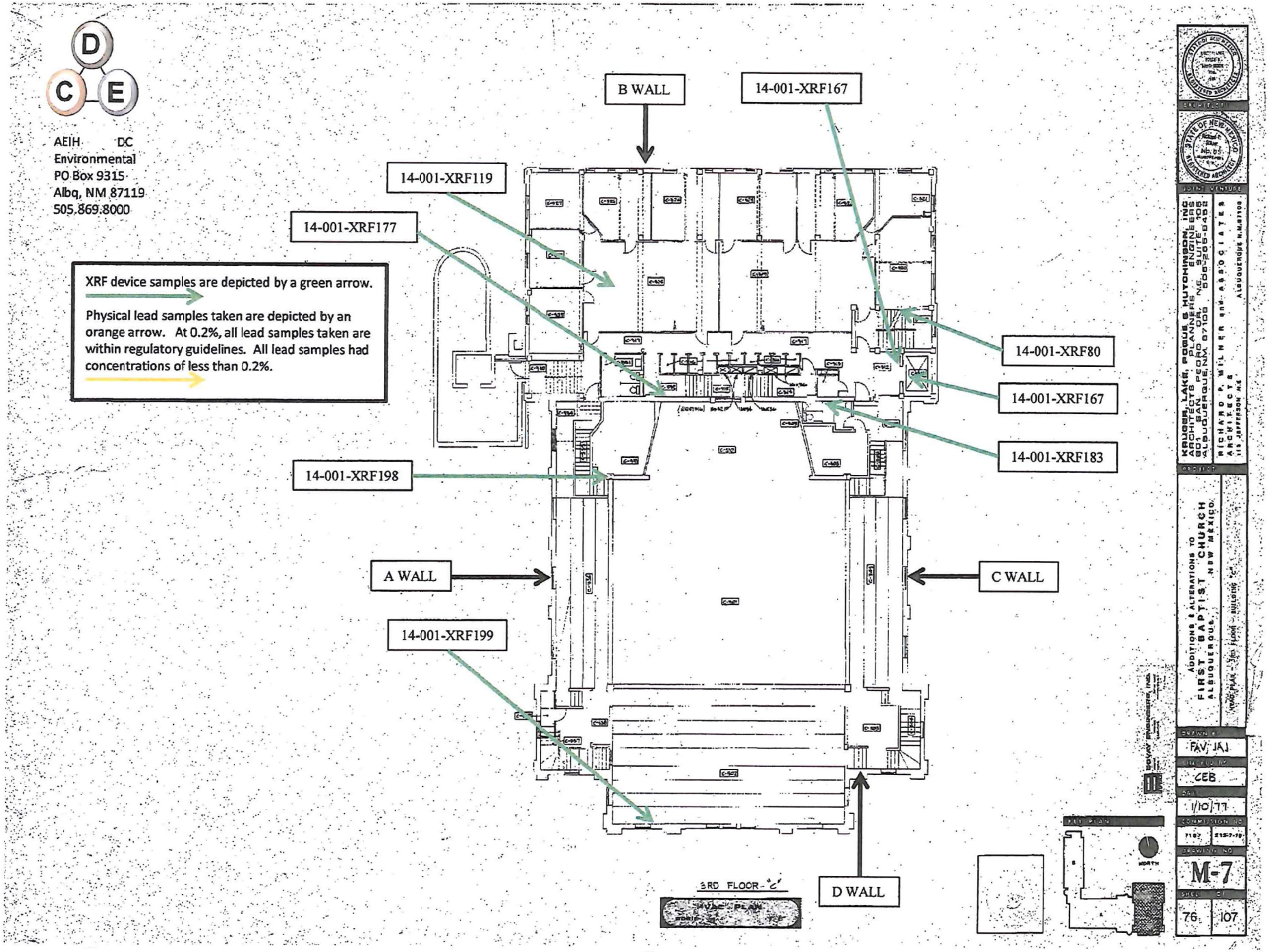


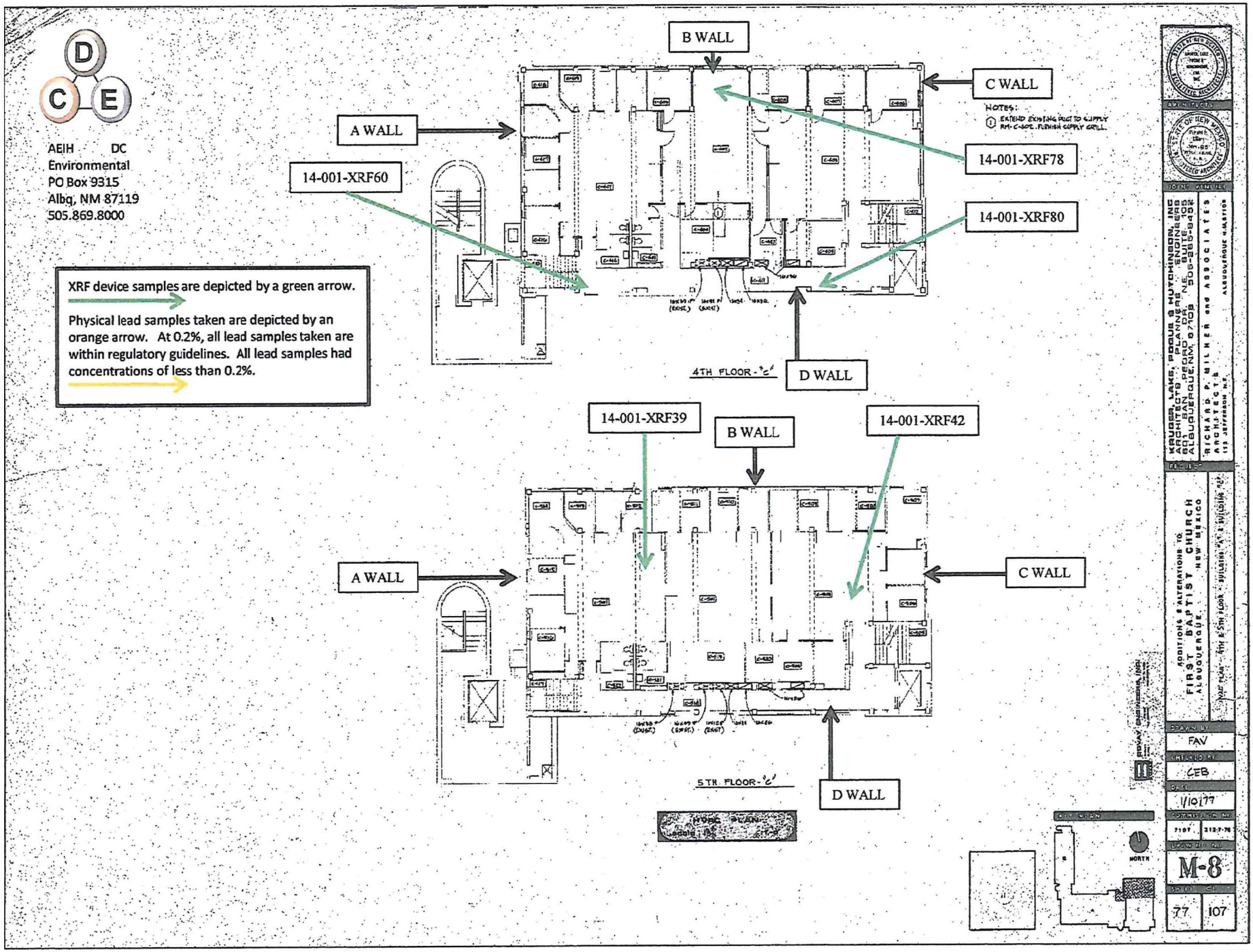

AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000
14-001-PB04
14-001-XRF256
14-001-PB01
14-001-XRF297
14-001-XRF280
14-001-XRF292
14-001-PB03
14-001-PB02
14-001-XRF304
Room Locked
B WALL
14-001-PB05
ENLARGED PLAN
14-001-XRF225
14-001-XRF338
14-001-XRF226
14-001-XRF402
14-001-XRF228
14-001-XRF370
14-001-XRF227
14-001-XRF379
A WALL
C WALL
ENLARGED PLAN
XRF device samples are depicted by a green arrow.
Physical lead samples taken are depicted by an orange arrow. At 0.2%, all lead samples taken are within regulatory guidelines. All lead samples had concentrations of less than 0.2%.
2ND FLOOR-"C"
D WALL
NORTH
FIRST BAPTIST CHURCH
ALBUQUERQUE, NEW MEXICO
M-6

AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000

XRF device samples are depicted by a green arrow.

Physical lead samples taken are depicted by an orange arrow. At 0.2%, all lead samples taken are within regulatory guidelines. All lead samples had concentrations of less than 0.2%.




AEIH DC
Environmental
PO Box 9315
Albq, NM 87119
505.869.8000
XRF device samples are depicted by a green arrow.
Physical lead samples taken are depicted by an orange arrow. At 0.2%, all lead samples taken are within regulatory guidelines. All lead samples had concentrations of less than 0.2%.
B WALL
C WALL
A WALL
14-001-XRF60
14-001-XRF78
14-001-XRF80
D WALL
4TH FLOOR - 'C'
14-001-XRF39
B WALL
14-001-XRF42
A WALL
C WALL
D WALL
5TH FLOOR - 'C'
NOTES:
1 EXTEND EXISTING DUCT TO SUPPLY RM. C-502. FURNISH SUPPLY GRILL.
KRUGER, LAKS, POGUE & HUTCHINSON, INC
ARCHITECTS PLANNERS ENGINEERS
ALBUQUERQUE, NEW MEXICO 87108 505-265-8452
RICHARD P. WILNER and ASSOCIATES
ARCHITECTS
ADDITIONS & ALTERATIONS TO
FIRST BAPTIST CHURCH
ALBUQUERQUE, NEW MEXICO
DRAWN BY
FAV
CHECKED BY
CEB
DATE
1/10/77
M-8
77
107

Appendix C

Asbestos Laboratory Analysis Results

CA Labs
Dedicated to Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

DC Environmental
PO Box 9315
Albuquerque, NM 87119

Attn: David Charlesworth
Customer Project: 14-001, 101 Broadway Blvd NE
Reference #: CAL14042265CB Date: 4/8/2014

Analysis and Method

Summary of polarizing light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of stereomicroscopy. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated of asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may have trace amounts of actinolite-tremolite, where not found be PLM should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may even contain a related asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be delectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Quantification of <1% will actually be reported as <=1% (allowable variance close to 1% is high). Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos and the "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one these disciplines .Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

CA Labs
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Crisp Analytical, L.L.C.
1929 Old Denton Road
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Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project: 14-001, 101 Broadway Blvd NE **CA Labs Project #:** CAL14042265CB

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
14-001-01	01-1	gray floor tile	7% Chrysotile	gray floor tile black mastic white surfaced off-white caulking tan floor tile black and tan mastic black tar silver surfaced black tar tan surfaced white plaster white surfaced gray transite white surfaced tan floor tile tan streaked floor tile green floor tile black sealant white surfaced white compound silver surfacing
	01-2	black mastic	2% Chrysotile	
14-001-03	03-1	white surfaced off-white caulking	<1% Chrysotile	
14-001-05	05-2	tan floor tile	6% Chrysotile	
	05-3	black mastic	3% Chrysotile	
14-001-06	06-1	tan floor tile	5% Chrysotile	
	06-2	black and tan mastic	2% Chrysotile	
14-001-07	07-1	black mastic	4% Chrysotile	

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

CA Labs
Dedicated to Quality

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Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project: 14-001, 101 Broadway Blvd NE **CA Labs Project #:** CAL14042265CB

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
14-001-08	08-1	tan floor tile	**5% Chrysotile**	
14-001-17	17-1	black tar	**4% Chrysotile**	
14-001-19	19-1	silver surfaced black tar	**3% Chrysotile**	
14-001-20	20-1	silver surfaced black tar	**4% Chrysotile**	
14-001-24	24-1	silver surfaced black tar	**<1% Chrysotile**	
14-001-25	25-1	silver surfaced black tar	**<1% Chrysotile**	
14-001-27	27-1	silver surfaced black tar	**2% Chrysotile**	
14-001-32	32-1	tan surfaced white plaster	**Trace Actinolite**	

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

CA Labs
Dedicated to Quality

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Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project: 14-001, 101 Broadway Blvd NE **CA Labs Project #:** CAL14042265CB

Sample #	Layer #	Analysis Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
14-001-35	35-1	white surfaced gray transite	**24% Chrysotile**	
14-001-36	36-1	white surfaced tan floor tile	**7% Chrysotile**	
	36-2	black mastic	**2% Chrysotile**	
14-001-37	37-1	gray floor tile	**8% Chrysotile**	
	37-2	black mastic	**2% Chrysotile**	
14-001-39	39-1	tan streaked floor tile	**3% Chrysotile**	
	39-3	tan floor tile	**7% Chrysotile**	
	39-4	black mastic	**2% Chrysotile**	

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

CA Labs
Dedicated to Quality

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Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project: 14-001, 101 Broadway Blvd NE **CA Labs Project #:** CAL14042265CB

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
14-001-40	*40-1*	*green floor tile*	***6% Chrysotile***	
	40-2	*black mastic*	***3% Chrysotile***	
14-001-41	*41-1*	*black sealant*	***8% Chrysotile***	
14-001-42	*42-1*	*white surfaced white compound*	***2% Chrysotile***	
14-001-45	*45-1*	*silver surfacing*	***3% Chrysotile***	
14-001-59	*59-1*	*tan floor tile*	***3% Chrysotile***	
14-001-61	*61-1*	*tan floor tile*	***3% Chrysotile***	
14-001-63	*63-1*	*tan floor tile*	***3% Chrysotile***	

Dallas NVLAP Lab Code 200349-0 TEM/PLM EPA H20 TX 01402 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

CA Labs
Dedicated to Quality

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Overview of Project Sample Material Containing Asbestos

Customer Project: 14-001, 101 Broadway Blvd NE **CA Labs Project #:** CAL14042265CB

Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
14-001-64	*64-1*	*tan floor tile*	***4% Chrysotile***	

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*
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Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** David Charlesworth
DC Environmental
PO Box 9315
Albuquerque, NM 87119

Phone # 505-869-8000
Fax # 505-869-9453

Customer Project:
14-001, 101 Broadway Blvd NE
Turnaround Time:
3 Days

CA Labs Project #:
CAL14042265CB
Date: 4/8/2014
Samples Received: 4/3/14 10:30am
Date Of Sampling: 4/1/14
Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
14-001-01		*01-1*	*gray floor tile*	*y*	***7% Chrysotile***		93% qu,ca
		01-2	*black mastic*	*y*	***2% Chrysotile***		98% gy,bi
14-001-02		*02-1*	*off-white caulking*	*y*	***None Detected***		100% qu,bi,ca
14-001-03		*03-1*	*white surfaced off-white caulking*	*n*	***<1% Chrysotile***		100% qu,bi,ca
14-001-04	*8*	*04-1*	*white surfaced tan plaster*	*n*	***None Detected***		100% qu,ve,bi,ca
14-001-05		*05-1*	*tan mastic*	*y*	***None Detected***		100% gy,bi
		05-2	*tan floor tile*	*y*	***6% Chrysotile***		94% qu,ca

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Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
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Approved Signatories:

Julio Robles
Analyst

Tanner Rasmussen
Analyst

QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

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		05-3	*black mastic*	*y*	***3% Chrysotile***		97% gy,bi
14-001-06		*06-1*	*tan floor tile*	*y*	***5% Chrysotile***		95% qu,ca
		06-2	*black and tan mastic*	*n*	***2% Chrysotile***		98% gy,bi
14-001-07		*07-1*	*black mastic*	*y*	***4% Chrysotile***		96% gy,bi
		07-2	*tan plaster*	*y*	***None Detected***		100% qu,ca
14-001-08		*08-1*	*tan floor tile*	*y*	***5% Chrysotile***		95% qu,ca
		08-2	*tan mastic*	*y*	***None Detected***		100% gy,bi

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ma - matrix	qu - quartz	sy - synthetic	

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Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
14-001-09		09-1	white surfacing	y	**None Detected**		100% qu,bi
		09-2	white drywall with brown paper	n	**None Detected**	23% ce	77% qu,gy
14-001-10		10-1	white surfaced white compound	n	**None Detected**		100% mi,bi,ca
		10-2	white drywall with brown paper	n	**None Detected**	23% ce	77% qu,gy
14-001-11	8	11-1	white surfaced tan plaster	n	**None Detected**		100% qu,ve,bi,ca
14-001-12		12-1	white surfaced white compound	n	**None Detected**		100% mi,bi,ca
		12-2	white drywall with brown paper	n	**None Detected**	23% ce	77% qu,gy

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14-001-13		13-1	*white surfacing*	y	***None Detected***		100% qu,bi
		13-2	*tan fibrous ceiling tile*	y	***None Detected***	100% ce	
		13-3	*brown mastic*	y	***None Detected***		100% gy,bi
14-001-14		14-1	*gray linoleum*	y	***None Detected***	28% ce	72% qu,gy,ma
		14-2	*tan mastic*	y	***None Detected***		100% gy,bi
14-001-15		15-1	*tan woven covering*	y	***None Detected***	100% ce	
14-001-16		16-1	*gray pliable caulking*	y	***None Detected***		100% qu,gy,bi

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

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Purchase Order #:

Sample #	Comment	Layer #	Analysis Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
14-001-17		17-1	black tar	y	**4% Chrysotile**		96% qu,bi
14-001-18		18-1	black tar and black felt layers	n	**None Detected**	16% fg	84% qu,bi
14-001-19		19-1	silver surfaced black tar	n	**3% Chrysotile**		97% qu,bi
14-001-20		20-1	silver surfaced black tar	n	**4% Chrysotile**		96% qu,bi
14-001-21		21-1	silver surfaced black tar and black felt	n	**None Detected**	31% ce	69% qu,bi
14-001-22		22-1	silver surfaced black tar and black felt	n	**None Detected**	15% ce 10% fg	75% qu,bi
14-001-23		23-1	black tar and black felt layers	n	**None Detected**	21% fg	79% qu,bi

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
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14-001-24		24-1	*silver surfaced black tar*	*n*	***<1% Chrysotile***	2% ce	98% qu,bi
14-001-25		25-1	*silver surfaced black tar*	*n*	***<1% Chrysotile***		100% qu,bi
		25-2	*black roofing shingle with gray gravel*	*y*	***None Detected***	16% fg	84% qu,bi
14-001-26		26-1	*black tar and black felt layers*	*n*	***None Detected***	21% fg	79% qu,bi
14-001-27		27-1	*silver surfaced black tar*	*n*	***2% Chrysotile***		98% qu,bi
14-001-28		28-1	*black tar and black felt layers*	*n*	***None Detected***	25% fg	75% qu,bi
14-001-29		29-1	*black tar with gravel*	*n*	***None Detected***		100% qu,bi,ot

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14-001-31		31-1	*black tar and black felt layers*	n	***None Detected***	15% ce 10% fg	75% qu,bi
14-001-32	***3,10***	32-1	*tan surfaced white plaster*	n	***Trace Actinolite***		100% qu,ve;bi,ca
		32-2	*tan plaster*	y	***None Detected***		100% qu,ca
14-001-33		33-1	*white floor tile*	y	***None Detected***		100% qu,ca
14-001-34		34-1	*brown mastic*	y	***None Detected***		100% gy,bi
		34-2	*white finishing plaster*	y	***None Detected***		100% qu,ca

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Date Of Sampling: 4/1/14
Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
14-001-35		35-1	*white surfaced gray transite*	n	***24% Chrysotile***		76% qu,bi,ca
14-001-36		36-1	*white surfaced tan floor tile*	n	***7% Chrysotile***		93% qu,bi,ca
		36-2	*black mastic*	y	***2% Chrysotile***		98% gy,bi
14-001-37		37-1	*gray floor tile*	y	***8% Chrysotile***		92% qu,ca
		37-2	*black mastic*	y	***2% Chrysotile***		98% gy,bi
14-001-38		38-1	*white surfaced white finishing plaster*	n	***None Detected***		100% qu,bi,ca
14-001-39		39-1	*tan streaked floor tile*	y	***3% Chrysotile***		97% qu,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil Immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Julio Robles
Analyst

Tanner Rasmussen
Analyst

QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

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CA Labs
Dedicated to Quality

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CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** David Charlesworth
DC Environmental
PO Box 9315
Albuquerque, NM 87119

Phone # 505-869-8000
Fax # 505-869-9453

Customer Project:
14-001, 101 Broadway Blvd NE
Turnaround Time:
3 Days

CA Labs Project #:
CAL14042265CB

Date: 4/8/2014
Samples Received: 4/3/14 10:30am
Date Of Sampling: 4/1/14
Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		39-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
		39-3	*tan floor tile*	*y*	***7% Chrysotile***		93% qu,ca
		39-4	*black mastic*	*y*	***2% Chrysotile***		98% gy,bi
14-001-40		*40-1*	*green floor tile*	*y*	***6% Chrysotile***		94% qu,ca
		40-2	*black mastic*	*y*	***3% Chrysotile***		97% gy,bi
14-001-41		*41-1*	*black sealant*	*y*	***8% Chrysotile***		92% qu,bi
14-001-42		*42-1*	*white surfaced white compound*	*n*	***2% Chrysotile***		98% mi,bi,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

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or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

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CA Labs Project #:
CAL14042265CB

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Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		42-2	*white drywall with brown paper*	*n*	***None Detected***	22% ce	78% qu,gy
14-001-43		*43-1*	*tan caulking*	*y*	***None Detected***	2% ta	98% qu,bi,ca
14-001-44		*44-1*	*silver sealant*	*y*	***None Detected***	2% ce	98% qu,bi
14-001-45		*45-1*	*silver surfacing*	*y*	***3% Chrysotile***		97% qu,bi
14-001-46		*46-1*	*white surfaced white compound*	*n*	***None Detected***		100% mi,bi,ca
		46-2	*white drywall with brown paper*	*n*	***None Detected***	23% ce	77% qu,gy
14-001-47		*47-1*	*tan floor tile*	*y*	***None Detected***		100% qu,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

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Purchase Order #:

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		47-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
14-001-48		*48-1*	*white streaked floor tile*	*y*	***None Detected***		100% qu,ca
		48-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
14-001-49		*49-1*	*white surfaced white compound*	*n*	***None Detected***		100% mi,bi,ca
		49-2	*brown drywall with brown paper*	*n*	***None Detected***	22% ce	78% qu,gy
14-001-50		*50-1*	*tan floor tile*	*y*	***None Detected***		100% qu,ca
		50-2	*tan mastic*	*y*	***None Detected***		100% gy,bi

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Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
14-001-51		*51-1*	*tan linoleum*	*y*	***None Detected***	24% ce	76% gy,ma
14-001-52		*52-1*	*tan linoleum*	*y*	***None Detected***	23% ce	77% gy,ma
		52-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
14-001-53		*53-1*	*tan linoleum*	*y*	***None Detected***	23% ce	77% gy,ma
		53-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
14-001-54		*54-1*	*tan surfaced white finishing plaster*	*n*	***None Detected***		100% qu,bi,ca
		54-2	*tan plaster*	*y*	***None Detected***		100% qu,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

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Purchase Order #:

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14-001-55		*55-1*	*brown mastic*	*y*	***None Detected***		100% gy,bi
		55-2	*tan surfaced white compound*	*n*	***None Detected***		100% mi,bi,ca
		55-3	*white drywall with brown paper*	*n*	***None Detected***	20% ce	80% qu,gy
14-001-57		*57-1*	*white surfaced tan finishing plaster*	*n*	***None Detected***		100% qu,bi,ca
14-001-58		*58-1*	*white surfaced tan finishing plaster*	*n*	***None Detected***		100% qu,bi,ca
14-001-59		*59-1*	*tan floor tile*	*y*	***3% Chrysotile***		97% qu,ca
		59-2	*tan mastic*	*y*	***None Detected***		100% gy,bi

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
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Tanner Rasmussen
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Leslie Crisp, P.G.

Technical Manager
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14-001-60		60-1	*blue floor tile*	*y*	***None Detected***		100% qu,ca
		60-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
14-001-61		61-1	*tan floor tile*	*y*	***3% Chrysotile***		97% qu,ca
		61-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
14-001-62		62-1	*tan surfaced tan finishing plaster*	*n*	***None Detected***		100% qu,bi,ca
14-001-63		63-1	*tan floor tile*	*y*	***3% Chrysotile***		97% qu,ca
		63-2	*tan mastic*	*y*	***None Detected***		100% gy,bi

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14-001-64		64-1	*tan floor tile*	*y*	***4% Chrysotile***		96% qu,ca
		64-2	*tan mastic*	*y*	***None Detected***		100% gy,bi
14-001-65		65-1	*tan surfaced tan finishing plaster*	*n*	***None Detected***		100% qu,bi,ca
		65-2	*tan plaster*	*y*	***None Detected***		100% qu,ca
14-001-66		66-1	*tan insulation*	*y*	***None Detected***	4% fg	96% qu,ca,ma
14-001-67	*8*	67-1	*tan fireproofing*	*y*	***None Detected***	6% ce	94% qu,ve,ca
14-001-68	*8*	68-1	*tan fireproofing*	*y*	***None Detected***	8% ce	92% qu,ve,ca

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14-001-69	*8*	*69-1*	*tan fireproofing*	*y*	***None Detected***	7% ce	93% qu,ve,ca
14-001-70		*70-1*	*tan surfaced tan finishing plaster*	*n*	***None Detected***		100% qu,bi,ca
14-001-71		*71-1*	*tan plaster*	*y*	***None Detected***		100% qu,ca
		71-2	*gray plaster*	*y*	***None Detected***		100% qu,ca
14-001-72		*72-1*	*tan plaster*	*y*	***None Detected***		100% qu,ca
		72-2	*gray plaster*	*y*	***None Detected***		100% qu,ca
14-001-73		*73-1*	*tan surfaced tan plaster*	*n*	***None Detected***		100% qu,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Julio Robles
Analyst

Tanner Rasmussen
Analyst

QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** David Charlesworth
DC Environmental
PO Box 9315
Albuquerque, NM 87119

Phone # 505-869-8000
Fax # 505-869-9453

Customer Project:
14-001, 101 Broadway Blvd NE
Turnaround Time:
3 Days

CA Labs Project #:
CAL14042265CB
Date: 4/8/2014
Samples Received: 4/3/14 10:30am
Date Of Sampling: 4/1/14
Purchase Order #:

Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
		73-2	*gray plaster*	*y*	***None Detected***	2% fg	98% qu,bi,ca
14-001-74		*74-1*	*tan surfaced tan plaster*	*n*	***None Detected***		100% qu,bi,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116)
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gypsum - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot -other	wo - wollastinite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

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Analyst

Tanner Rasmussen
Analyst

QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
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6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
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Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Point Count

Laboratory Analysis Report - Point Count

Analysis and Method

Point counting was performed on a polarized light microscope with a calibrated reticle according to the revised NESHAP method of November 20, 1990 (Federal Register, V.55, N.224, 11/20/90). Origional asbestos content of bulk materials was determined using procedures outlined in the interim method (40 CFR part 763, Appendix E to subpart E) and AHERA method (EPA-600/R-93/116). Samples were prepared using HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have a college degree in a natural science (geology, biology, or environmental science) or are recognized by a state professional board in one of these disciplines. Extensive in-house training programs are used to augment education background of the analyst. The group leader of polarized light has received supplemental McCrone Research training for asbestos identification. This report is not covered by the scope of NVLAP accreditation. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Customer Info: **Attn:** David Charlesworth
DC Environmental
PO Box 9315
Albuquerque, NM 87119

Phone # 505-869-8000
Fax # 505-869-9453

Customer Project:
14-001, 101 Broadway Blvd NE
Turnaround Time:
3 Days

CA Labs Project #:
CAL14042265CB

Date: 4/8/2014
Samples Received: 4/3/14 10:30am
Date Of Sampling: 4/1/14
Purchase Order #:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Point Counted % / Asbestos Type
14-001-03	*03-1*	*white surfaced off-white caulking*	*n*	***0.25% Chrysotile***
14-001-24	*24-1*	*silver surfaced black tar*	*n*	***0.25% Chrysotile***
14-001-25	*25-1*	*silver surfaced black tar*	*n*	***0.25% Chrysotile***

Dallas NVLAP Lab Code 200349-0 TEM/PLM *EPA H20 TX 01402* *TDH 30-0235*

AIHA LAP, LLC Laboratory #102929

Approved Signatories:

C. T. Ra

Tanner Rasmussen
Analyst

QAC
Leslie Crisp, P.G.

Technical Manager
Chad Lytle

CAL14042265

Sample Chain of Custody

143 203 450

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014
	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day
	☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☐ PLM: ☑ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: J. David Charlesworth	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Phone: 505.869.8000 Fax: 505.869.9453	
E-mail: JDCharlesworthcih@gmail.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: First Baptist Church	☐ Metals Analysis: Method:
Site Location: 101 Broadway Blvd NE, Albuquerque, NM	Matrix: Analytes:
Comments:	Report Via: ☐ Fax ☑ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-01	3/27	Gray floor tile with mastic 9x9, 5th floor custodian closet	A P C				
14-001-02	3/27	Exterior window casing, off white window putty, A wall 5th floor	A P C				
14-001-03	3/27	Transom light glazing putty, off white, 5th floor.	A P C				
14-001-04	3/27	Ceiling plaster above 2x4 ceiling tiles. Room 501, white.	A P C				
14-001-05	3/27	Hallway floor tile under radiator against D wall, light brown 9x9 tile black mastic West.	A P C				
14-001-06	3/27	Brown and light brown striations brown fielded underneath orange carpet, North East Room of stairwell.	A P C				
14-001-07	3/27	Black adhesive mastic for covebase on plaster.	A P C				
14-001-08	3/27	Beige 12x12 tile West elevator lobby.	A P C				
14-001-09	3/27	Wall A of music room, preformed gypsum sound wall.	A P C				
14-001-10	3/27	Gypsum D Wall smooth texture.	A P C				

Sampled By: Michael Nieman Date: 3/27/2014 Time:

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Date / Time: 04-02-14 05:54	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: 4/3/14 10:30am Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Sample Chain of Custody CAL14044 2265

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014
	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day
	☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☐ PLM: ☑ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: J. David Charlesworth	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Phone: 505.869.8000 Fax: 505.869.9453	
E-mail: JDCharlesworthcih@gmail.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: First Baptist Church	☐ Metals Analysis: Method: Matrix: Analytes:
Site Location: 101 Broadway Blvd NE, Albuquerque, NM	
Comments:	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-11	3/27	Original plaster roofing above 2x4 ceiling tiles off white plaster.	A P C				
14-001-12	3/27	Dry wall "rolled on" wall texture of Wall B, North East corner room of 3rd floor.	A P C				
14-001-13	3/27	Sanctuary 2x4 glued on ceiling tile, white, not laid in, solid cellulose with black mastic.	A P C				
14-001-14	3/27	West sanctuary Entrance on the first floor. Wall D, Southern wall, vinyl sheet flooring, blue mosaic.	A P C				
14-001-15	3/28	White fire hose 5th floor fire cabinet near Western stairwell	A P C				
14-001-16	3/28	Door Frame caulking from the east stairwell, gray and elastic.	A P C				
14-001-17	3/28	Miscellaneous stored piping material, old, not functional, black mastic.	A P C				
14-001-18	3/28	Lower East roofing black.	A P C				
14-001-19	3/28	Lower East parapet silver	A P C				
14-001-20	3/28	Lower East duct sealant	A P C				

Sampled By: Michael Nieman Date: 3/27-28/2014 Time:

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Relinquished By: [signature] 08:54 Date / Time: 04.02.14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: [signature] Date / Time: 4/3/14 10:30am Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Sample Chain of Custody CAL14042265

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014 Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day ☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer ☑ PLM: ☑ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: J. David Charlesworth Phone: 505.869.8000 Fax: 505.869.9453 E-mail: JDCharlesworthcih@gmail.com Site: First Baptist Church Site Location: 101 Broadway Blvd NE, Albuquerque, NM	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass) ☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project ☐ Metals Analysis: Method: Matrix: Analytes:
Comments:	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-21	3/28	Duct sealant from swamp cooler, silver	A P C				
14-001-22	3/28	Roofing from parapit with black mastic	A P C				
14-001-23	3/28	Roofing core black.	A P C				
14-001-24	3/28	Duct Sealant silver	A P C				
14-001-25	3/28	Parapit, silver black, west "A wall"	A P C				
14-001-26	3/28	Roofing core with black mastic	A P C				
14-001-27	3/28	Annex Roof parapet, silver	A P C				
14-001-28	3/28	Roofing core, black	A P C				
14-001-29	3/28	Original wooden walkway tar	A P C				
14-001-30	3/28	Tar on piping, roof	A P C				

Sampled By: Michael Nieman Date: 3/28/2014 Time:

Shipped Via: ☑ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Date / Time: 04.02.14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: 4/3/14 10:30 am Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Sample Chain of Custody CALM04226.5

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014
	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day
	☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☑ PLM: ☑ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: J. David Charlesworth	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Phone: 505.869.8000 Fax: 505.869.9453	
E-mail: JDCharlesworthcih@gmail.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: First Baptist Church	☐ Metals Analysis: Method:
Site Location: 101 Broadway Blvd NE, Albuquerque, NM	Matrix: Analytes:
Comments:	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-31	3/28	Parapet annex East west roof repair from fire.	A P C				
14-001-32	3/28	Underneath changing rooms, ceiling plaster above 2x4 lay in tiles.	A P C				
14-001-33	3/28	Vinyl floor tile, off white with gray accents, 12x12.	A P C				
14-001-34	3/28	Choir closet cove base with brown mastic.	A P C				
14-001-35	3/28	West End offices, glass wall lower portion, suspected transite, light gray panel.	A P C				
14-001-36	3/28	Brown crossover vinyl 9x9.	A P C				
14-001-37	3/28	Floor tile, 9x9 off white.	A P C				
14-001-38	3/28	Floor sheet rock texture, North Center.	A P C				
14-001-39	3/28	1st floor Women's Restroom 9x9 and 12x12 tan floor tile.	A P C				
14-001-40	3/28	Dark green 9x9 floor tile basement under stairwell closet with black mastic.	A P C				

Sampled By: Michael Nieman	Date: 3/28/2014	Time:
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Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: [signature] Date / Time: 4/3/14 10:30 Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Sample Chain of Custody CAL14042265

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014 Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day ☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer ☐ PLM: ☑ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: J. David Charlesworth Phone: 505.869.8000 Fax: 505.869.9453	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
E-mail: JDCharlesworthcih@gmail.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: First Baptist Church Site Location: 101 Broadway Blvd NE, Albuquerque, NM	☐ Metals Analysis: Method: Matrix: Analytes:
Comments:	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-41	3/28	Duct seam mastic, basement, black.	A P C				
14-001-42	3/28	Sheet rock wall, pink	A P C				
14-001-43	3/28	Basement window putty, boiler room.	A P C				
14-001-44	3/31	Roof mastic gray	A P C				
14-001-45	3/31	Duct seam sealer silver	A P C				
14-001-46	3/31	Sheet rock texture white	A P C				
14-001-47	3/31	Eastern Stairwell Beige/Gray 12/12 VCT (DK)	A P C				
14-001-48	3/31	East Entrance white blue vinyl ~~ceramic~~ tile blue 12x12 Composite	A P C				
14-001-49	3/31	Men's RR wall texture white	A P C				
14-001-50	3/31	Janitor's room beige 12x12 Vinyl ~~ceramic~~ tile (DK)	A P C				

Sampled By: Michael Nieman Date: 3/28-31/2014 Time:

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Relinquished By: [signature] Date / Time: 04.02.14 0858	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: [signature] Date / Time: 4/3/14 10:30am Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Sample Chain of Custody CAL14042265

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014 Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day ☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer ☒ PLM: ☐ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: J. David Charlesworth	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Phone: 505.869.8000 Fax: 505.869.9453	
E-mail: JDCharlesworthcih@gmail.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: First Baptist Church	☐ Metals Analysis: Method: Matrix:
Site Location: 101 Broadway Blvd NE, Albuquerque, NM	Analytes:
Comments:	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-51	3/31	Kitchen sheet flooring pink	A P C				
14-001-52	3/31	Kitchen sheet flooring beige	A P C				
14-001-53	3/31	Kitchen sheet flooring gray	A P C				
14-001-54	3/31	SE classroom wall texture 2nd floor white	A P C				
14-001-55	3/31	SE classroom covebase adhesive 2nd floor white	A P C				
14-001-56	3/31	SE hall closet 12x12 vinyl ~~ceiling~~ tile beige 2nd floor (OK) Ceramic tile	A P C				
14-001-57	3/31	Center Classroom wall texture 2nd floor	A P C				
14-001-58	3/31	Atrium ceiling texture (broom finish) 2nd floor white	A P C				
14-001-59	3/31	East stair vestibule beige 12x12 2nd floor	A P C				
14-001-60	3/31	North East Classroom turquoise 12x12 vinyl ~~ceramic~~ tile 1st floor (OK) Ceramic tile	A P C				

Sampled By: Michael Nieman Date: 3/31/2014 Time:

Shipped Via: ☒ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: [signature] Date / Time: 04.02.14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: [signature] Date / Time: 4/3/14 10:30am Condition Acceptable? ☒ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Sample Chain of Custody CAL14042265

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014
	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day
	☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
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Contact: J. David Charlesworth	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D3756(str/mass)
Phone: 505.869.8000 Fax: 505.869.9453	
E-mail: JDCharlesworthcih@gmail.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: First Baptist Church	☐ Metals Analysis: Method:
Site Location: 101 Broadway Blvd NE, Albuquerque, NM	Matrix: Analytes:
Comments:	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-61	3/31	North East Classroom gray 12x12 vinyl ceramic tile 1st floor	A P C				
14-001-62	3/31	NE Classroom wall texture 1st floor white	A P C				
14-001-63	3/31	East/West Kitchen beige 12x12 VCT 1st floor	A P C				
14-001-64	3/31	Dining room gray deep fissure 1st floor	A P C				
14-001-65	3/31	Center classroom wall texture 2nd floor white	A P C				
14-001-66	3/31	Basement pipe TSI HF mechanical room white	A P C				
14-001-67	3/31	Basement Mechanic room fire proofing gray	A P C				
14-001-68	3/31	Basement Mechanic room fireproofing gray	A P C				
14-001-69	3/31	Basement Mechanic room fireproofing gray	A P C				
14-001-70	3/31	Mechanic Room stairwell wall texture white	A P C				

Sampled By: Michael Nieman Date: 3/31/2014 Time:

Shipped Via: ☑ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: Date / Time: 04-03-1814	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: Date / Time: 4/3/14 10:30am Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Sample Chain of Custody CAL14042265

DC Environmental PO Box 9315 Albuquerque, NM 87119	PO / Job#: 14-001 Date: 4/1/2014
	Turn Around Time: Same Day / 1Day / 2Day / 3Day / 4Day / 5Day
	☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer
	☐ PLM: ☐ Standard / ☐ Point Count 400 - 1000 / ☐ CARB 435
Contact: J. David Charlesworth	☐ TEM Air: ☐ AHERA / ☐ Yamate2 / ☐ NIOSH 7402 ☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield ☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight % ☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)
Phone: 505.869.8000 Fax: 505.869.9453	
E-mail: JDCharlesworthcih@gmail.com	☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot ☐ Particle Identification (TEM LAB) ☐ Special Project
Site: First Baptist Church	☐ Metals Analysis: Method:
Site Location: 101 Broadway Blvd NE, Albuquerque, NM	Matrix: Analytes:
Comments:	Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
14-001-71	3/31	Exterior stucco east wall tan	A P C				
14-001-72	3/31	Exterior stucco North Wall tan	A P C				
14-001-73	3/31	Exterior Stucco West wall tan	A P C				
14-001-74	3/31	Plaster ceiling patch second floor, Northern center section	A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				
			A P C				

Sampled By: Michael Nieman Date: 3/31/2014 Time:

Shipped Via: ☐ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: [signature] Date / Time: 04-01-14	Relinquished By: Date / Time:	Relinquished By: Date / Time:
Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No	Received By: [signature] Date / Time: 4/3/14 10:30am Condition Acceptable? ☑ Yes ☐ No	Received By: Date / Time: Condition Acceptable? ☐ Yes ☐ No

Appendix D

Lead Bulk Sample Analysis

EMSL Analytical, Inc.
200 Route 130 North, Cinnaminson, NJ 08077
Phone/Fax: (856) 303-2500 / (856) 786-5974
http://www.EMSL.com cinnaminsonleadlab@emsl.com

EMSL Order:	201405557
CustomerID:	ACME25
CustomerPO:	14-001
ProjectID:	

Attn: **David Charlesworth**
DC Environmental
PO Box 9315
Albuquerque, NM 87119

Phone:	(505) 934-1319
Fax:	
Received:	04/11/14 5:09 PM
Collected:	4/2/2014

Project: **14-001 / First Baptist Church / 101 Broadway Blvd.NE Albuquerque,NM**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
14-001-PB01	*0001*	4/2/2014	4/15/2014	0.032 % wt
Site: Cabinet Fixture Room 203 Gray/Blue				
14-001-PB02	*0002*	4/2/2014	4/15/2014	0.039 % wt
Site: Plaster Ceiling 203				
14-001-PB03	*0003*	4/2/2014	4/15/2014	<0.010 % wt
Site: D.Wall Men's Bathroom 206 White				
14-001-PB04	*0004*	4/2/2014	4/15/2014	0.035 % wt
Site: Plaster Ceiling Tile White				
14-001-PB05	*0005*	4/2/2014	4/15/2014	0.030 % wt
Site: Plaster Paint B.Wall Stairwell White				

Julie Smith - Laboratory Director
NJ-NELAP Accredited:03036
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. * slight modifications to methods applied. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 04/17/2014 10:05:12

EMSL ANALYTICAL, INC

Industrial Hygiene
Chain of Custody

EMSL Order Number (Lab Use Only): 201405557

Report To Contact Name: David Charlesworth	Bill To Company: DC Environmental	Sampled By (Signature): Heather Lyons
Company Name: DC Environmental	Attention To: David Charlesworth	Number of Samples in Shipment: 5
Address 1: 1490 Lillie Dr	Address 1: 1490 Lillie Dr	Date of Shipment: 4/10/2014
Address 2: Bosque Farms, NM 87068	Address 2: Bosque Farms, NM 87068	U.S. State where Samples Collected: New Mexico
Phone: 505-869-8300 Fax:	Phone: 505-869-8300 Fax: 5058699455	Purchase Order:
Email Results To: ~~jd~~ ~~jdc~~ JDCharlesworthcih@gmail.com	Project Name: 14-001	

Turnaround Time – Please Check: Please Note Standard TAT is 2 Week.							Media Type:
2 Week	1 Week	4 Day	3 Day	2 Day	1 Day	Other (Call Lab)	Manufacturer/Part #:
☐	☐	☑	☐	☐	☐	☐	Lot #:

Sample ID	Media	Analyte / Method	Volume	Sample Date/Time	Location	Comments
14-001-PB01	Paint chip	FAA Lead / Flame AA Lead		4/2/14	Rm 203	Lead Pb Suspect
14-001-PB02	Paint chip	FAA Lead / Flame AA Lead		4/2/14	~~Rm 206~~ NE RM 203	Lead Pb Suspect
14-001-PB03	Paint chip	FAA Lead / Flame AA Lead		4/2/14	Rick's RR Rm 6	Lead Pb Suspect
14-001-PB04	Paint chip	FAA Lead / Flame AA Lead		4/2/14	Ceiling tile	Lead Pb Suspect
14-001-PB05	Paint chip	FAA Lead / Flame AA Lead		4/2/14	Overall	Lead Pb Suspect

Note: Most NIOSH and OSHA methods require field blanks. It is the IH field sampler's responsibility to submit the proper number of field blanks and duplicates.

Released By	Date	Received By	Date
Heather Lyons	4/14/2014		

Comments: Please email results to JDCharlesworthcih@gmail.com

Please Print

1 of 1 pages

Page 1 of 2

Order ID: 201405557

OrderID: 201405557

Sample Chain of Custody 201405557

DC Environmental
PO Box 9115
Albuquerque, NM 87119

PO / Job#: 14-001 Date: 4/1/2014

Turn Around Time: Same Day / 1Day / 2Day / 3Day / (4Day) / 5Day

☐ PCM: ☐ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☐ PLM: ☐ Standard / ☐ Point Count 400 / 1000 / ☐ CARB 435

☐ TEM Air: ☐ AHERA / ☐ Yamate / ☐ NIOSH 7402
☐ TEM Bulk: ☐ Quantitative / ☐ Qualitative / ☐ Chatfield
☐ TEM Water: ☐ Potable / ☐ Non-Potable / ☐ Weight %
☐ TEM Microvac: ☐ Qual(+/-) / ☐ D5755(str/area) / ☐ D5756(str/mass)

☐ IAQ Particle Identification (PLM LAB) ☐ PLM Opaques/Soot
☐ Particle Identification (TEM LAB) ☐ Special Project

☑ Metals Analysis: Method: Flame AA Lead Pb
Matrix:
Analytes:

Contact:
J. David Charlesworth
Phone: 505.869.8000 Fax: 505.869.9453
E-mail: JDcharlesworthenv@gmail.com
Site: First Baptist Church
Site Location: 101 Broadway Blvd NE, Albuquerque, NM
Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

	Sample ID	Date / Time	Sample Location / Description	Type	Time On/Off	Avg. LPM	Total Time	Sample Area / Air Volume
1	14-001-PB01	4/2	Cabinet fixture Rm 203 Gray/Blue	A P C				
2	14-001-PB02	4/2	Plaster Ceiling 203	A P C				
3	14-001-PB03	4/2	D Wall Men's bathroom 206 White	A P C				
4	14-001-PB04	4/2	Plaster ceiling tile white	A P C				
5	14-001-PB05	4/2	Plaster paint B wall Stairwell White	A P C				

(FOR AIR SAMPLES ONLY applies to Type through Total Time columns.)

14 APR 11 PM 5:09

Sampled By: Pete Fling and Nathan Lyons Date: 3/27/2014 Time:

Shipped Via: ☑ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By:	Relinquished By:	Relinquished By:
Date / Time:	Date / Time:	Date / Time:
Received By: [signature] FX2	Received By: [signature]	Received By:
Date / Time: 4/11/14 5:05PM	Date / Time: 4/11/14 5:09pm	Date / Time:
Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No	Condition Acceptable? ☐ Yes ☐ No

(5)

Appendix E

Lead XRF Table

XRF Test Number	Component-Room\Wall Designation etc	Color	Substrate	Result\ Reading	Floor Level
1	Standardization			0.00	5
2	Calibration			0.00	5
3	Calibration			0.00	5
4	Calibration			0.00	5
5	Calibration			>5	5
6	Calibration			>5	5
7	Calibration			>5	5
8	Calibration lead paint chip			>1.18	5
9	Calibration lead paint chip			>1.28	5
10	Calibration lead paint chip			>1.27	5
11	Plaster drywall Wall A	White		0.08	5
12	Plaster drywall Wall B	White		0.04	5
13	Sample 13, B Wall of office C Plaster	White		0.06	5
14	Plaster C wall	White		0.01	5
15	Plaster C wall	White		0.00	5
16	Plaster D Wall	White		0.08	5
17	Wall D	White		0.05	5
18	Window mullion A wall	White	Steel	0.01	5
19	Window A wall	White	Steel	0.01	5
20	D wall window transom	White	Wood	0.00	5
21	B wall window transom	White	Wood	0.00	5
22	D wall window transom	White	Wood	0.03	5
23	Closet shelf support wall A			0.00	5
24	Wall A	White		0.00	5
25	Wall A	White		0.00	5
26	Door Frame intact	White	Wood	0.02	5
27	Wall B Door frame	White	Wood	0.00	5
28	Wall D door frame	White	Wood	0.05	5
29	D wall elevator door frame			0.13	5
30	D wall fire cabinet red	Red		0.02	5
31	D wall radiator	White		0.13	5
32	B wall radiator, off whit intact	Off white		0.02	5

33	B wall off white door	Off white	Steel	0.00	5
34	B wall stairwell door	Off white	Steel	0.08	5
35	D wall off white door	Off white		0.13	5
36	B wall electrical cabinet off white intact	Off white	Steel	0.00	5
37	D wall in hallway	Off white		0.00	5
38	Plaster ceiling	Off white		0.00	5
39	Plaster ceiling off white	Off white		0.80	5
40	Plaster ceiling off white	Off white		0.01	5
41	Plaster ceiling off white	Off white		0.01	5
42	Plaster ceiling off white	Off white		0.80	5
43	East stair well stringer brown	Brown	Steel	0.13	4
44	East stair well stringer brown	Brown	Steel	0.05	4
45	East Stair well riser gray	Gray	Steel	0.00	4
46	East stairwell brown paint	Brown		0.05	4
47	Newel post, east stairwell	Brown	Steel	0.02	4
48	ceiling of east stairwell	White	Steel	0.00	4
49	B wall off white	Off white		0.06	4
50	C wall east stairwell	Off white		0.04	4
51	D wall east stairwell	Off white		0.12	4
52	A wall off white plaster white	Off white		0.00	4
53	A wall plaster whet intact in column	White		0.01	4
54	B wall off white plaster paint	Off white		0.01	4
55	B wall off white plaster paint	Off white		0.05	4
56	B wall off white plaster paint	Off white		0.21	4
57	B wall off white plaster paint	Off white		0.00	4
58	B wall off white plaster paint	Off white		0.00	4
59	B wall off white plaster paint	Off white		0.13	4
60	D wall off white paint on plaster intact	Off white		0.80	4
61	D wall off white paint on plaster intact	Off white		0.10	4
62	D wall off white paint on plaster intact	Off white		0.02	4
63	A wall transom stained not painted	Varnish	Wood	0.09	4
64	A wall wooden door stained intact	Varnish	Wood	0.03	4
65	A wall metal door frame painted intact	Off white	Steel	0.08	4
66	B wall transom stained intact	Varnish	Wood	0.04	4

67	B wall door frame metal	Off white	Steel	0.00	4
68	B Wall stained wooden door	Varnish	Wood	0.00	4
69	East stairwell metal door frame painted white	White	Steel	0.07	4
70	East stairwell metal door painted	Off white	Steel	0.16	4
71	D wall radiator off white paint	Off white	Steel	0.05	4
72	D wall radiator off white paint	Off white	Steel	0.09	4
73	Men's rest room door, wooden with varnish but with blue paint on top	Varnish	Wood	0.14	4
74	B wall window frame 0.04		Steel	0.04	4
75	Interior window common area painted with light blue flaking through	Blue	Steel	0.03	4
76	ceiling near A wall white plaster paint	White		0.04	4
77	ceiling plaster near B wall	White		0.80	4
78	ceiling near C wall white painted east end	White		0.04	4
	Standardization Issues				
79	D Wall white plaster paint	White		0.80	4
80	D wall white plaster paint	White		0.18	4
81	D wall white plaster paint	White		0.07	4
82	D wall white plaster paint	White		0.00	4
83	Standardization				4
84	Black painted covebase	Black	Vinyl	0.01	4
85	brown stringer eastern stairwell between 4th and third floor	Brown	Steel	0.12	3
86	Gray painted step on concrete	Gray	Concrete	0.06	3
87	Brown painted riser	Brown	Steel	0.05	3
88	Newel post crown	Brown	Steel	0.04	3
89	ceiling above window in stairwell window header	Off white	Steel	0.09	3
90	B wall east stairwell white plaster paint	Off white		0.80	3
91	B wall east stairwell white plaster paint	Off white		0.02	3
92	Post calibration on brick			0.00	3
93	Post calibration on brick			0.00	1
94	Post calibration on brick			0.00	1
95	Post calibration on paint chip			0.30	1
96	Post calibration on paint chip			0.28	1
97	Post calibration on paint chip			0.30	1

98	Post calibration fully on shutter			1.20	1
99	Post calibration fully on shutter			1.23	1
100	Post calibration fully on shutter.			1.06	1
101	Pre calibration zero			0.80	1
102	Pre calibration on brick			0.00	1
103	pre calibration on brick			0.00	1
104	Pre calibration on brick			0.00	1
105	Pre calibration on paint chip			1.22	1
106	Pre calibration on paint chip			1.20	1
107	Pre calibration on paint chip			1.39	1
108	A wall Third floor central western office off white plaster on drywall white intact	Off white	Drywall	0.02	3
109	B wall third floor central western office off white plaster on dry wall white intact	Off white	Drywall	0.00	3
110	C wall window transom shellac	Varnish	Wood	0.01	3
111	C wall door frame white metal	White	Steel	0.05	3
112	C wall door white paint on wood, intact	White	Wood	0.00	3
113	A wall metal window frame intact		Steel	0.02	3
114	A wall white paint on plaster	White	Plaster	0.01	3
115	B wall white paint on plaster not intact	White		0.00	3
116	C wall white plaster intact	White		0.01	3
117	D wall white plaster paint intact	White		0.02	3
118	transom Shellac on wood	Varnish	Wood	0.01	3
119	Ceiling plaster western central office area	Off white		0.80	3
120	A wall plaster white intact	White		0.00	3
121	B wall plaster white intact mid	White		0.00	3
122	C wall plaster white intact	White		0.00	3
123	D wall plaster white intact	White		0.00	3
124	B wall pink door intact	Pink	Steel	0.00	
125	D wall metal door frame	Pink	Steel	0.03	3
126	B wall window cross bar metal		Steel	0.00	3
127	B wall radiator white paint intact	White	Steel	0.06	3
128	B wall radiator white paint intact	White	Steel	0.05	3
129	ceiling central	Off white		0.00	3

130	premature test				
131	Pre calibration brick			0.01	
132	Pre calibration brick			0.00	
133	Pre calibration brick			0.00	
134	Lead chip pre calibration			9.70	
135	Lead chip pre calibration			1.17	
136	Lead chip pre calibration			1.09	3
137	Testing against A wall room 301			0.00	3
138	Lead chip verification/standardization test			0.85	3
139	B wall white plaster paint	White		0.04	3
140	C wall Eastern most wall, white plaster	White		0.05	3
141	C wall at column partition eastern wall, white plaster	White		0.02	3
142	D wall white plaster paint intact	White		0.00	3
143	Door frame 1 on A wall white paint on metal intact	White	Steel	0.01	3
144	A wall shellac/varnish on wood intact	Varnish	Wood	0.21	3
145	C wall metal window frame C2, second window from		Steel	0.01	3
146	Ceiling plaster white intact All plaster ceilings are above 2x4 lay in cellulose tiles	White		0.02	3
147	B wall radiator white paint intact	White	Steel	0.08	3
148	Exit stairwell door D wall white paint intact	White	Steel	0.06	3
149	newel post	Brown	Steel	0.01	2
150	riser eastern stairwell	Brown	Steel	0.05	2
151	tread eastern stairwell	Brown	Steel	0.04	2
152	newel post again	Brown	Steel	0.05	2
153	A wall white paint eastern stairwell	White	Steel	0.03	2
154	B wall white paint on plaster	White		0.03	2
155	plaster ceiling below tread	White		0.00	2
156	C wall in eastern stairwell	White		0.03	2
157	D wall eastern stairwell	White		0.01	2
158	A wall central hallway	White		0.05	2
159	A wall wooden shellac varnish	Varnish	Wood	0.04	2
160	metal door frame A wall		Steel	0.00	2
161	western stairwell elevator door brown paint	Brown	Steel	0.07	2
162	B wall east of western stairwell on plaster	White		0.00	2

163	A wall firehose cabinet red	Red	Steel	0.01	2
164	B wall whit plaster center hallway	White		0.17	2
165	B wall white plaster center hallway	White		0.05	2
166	shellac varnished wooden cabinet on be wall, central hallway	Varnish	Wood	0.00	2
167	C wall near eastern elevator door	White		0.80	2
168	Metal eastern elevator door blue paint	Blue	Steel	0.29	
169	D wall near eastern elevator white paint intact	White		0.11	2
170	D wall near eastern elevator white paint intact	White		0.11	2
171	D 1 Auditorium door white paint	White		0.01	2
172	Metal door frame D wall brown paint	Brown	Steel	0.00	2
173	Baptismal metal screen above water line intact	Off white	Steel	0.00	2
174	Baptismal metal screen below water line not intact	Off white	Steel	0.00	2
175	A wall white plaster paint	Off white		0.09	2
176	B wall on drywall above baptismal pool	Off white		0.01	2
177	cabinet fixture flow regulator white paint	Off white		0.54	
178	cabinet fixture flow regulator white paint	Off white		0.49	2
179	C wall white plaster intact hallway of baptismal	Off white		0.03	2
180	D wall white plaster in center hallway of baptismal pool	Off white		0.02	2
181	A wall white plaster paint, ladies room, western bathroom in hallway of changing rooms	Off white		0.05	2
182	B wall ladies bathroom center hallway of changing room	Off white		0.01	2
183	C wall ladies bathroom center hallway of changing room b	Off white		0.80	2
184	D wall ladies bathroom changing room hallway	Off white		0.01	2
185	C wall toilet stall partitions metal paint gray	Gray	Steel	0.02	2
186	Ceiling center hallway near changing rooms	Off white		0.00	2
187	A wall balcony second floor white plaster paint	Off white		0.05	2
188	B wall balcony second floor white plaster paint XRF device needed to be recalibrated.				2
189	Standardization test				
190	Pre calibration brick			0.00	
191	Pre calibration brick			0.00	
192	Pre calibration brick			0.00	
193	Pre calibration paint chip			1.17	

194	Pre calibration paint chip			1.17	
195	Pre calibration paint chip			1.36	
196	2nd floor balcony B wall sanctuary white plaster paint intact	White		0.04	Sanctuary
197	A wall window three from left to right, white paint intact	White		0.00	Sanctuary
198	B wall ornate wooden decoration	White	Wood	0.80	Sanctuary
199	D wall plaster white intact	White		0.30	Sanctuary
200	D Wall D 2 window sash	White	Wood	0.00	Sanctuary
201	D wall crown molding white painted wood	White	Wood	0.03	Sanctuary
202	D wall center pew wood varnish	Varnish	Wood	0.01	Sanctuary
203	D wall wooden paint	White	Wood	0.00	Sanctuary
204	Paint on D wall at ventilation column	White	Steel	0.00	Sanctuary
205	A wall patched/sealed entrance	White		0.00	Sanctuary
206	C wall of south west corner closet second floor of sanctuary door frame beige	White	Wood	0.00	Sanctuary
207	D wall of corner south west corner closet second floor of sanctuary	Off white		0.01	Sanctuary
208	A wall wooden door closet of second floor.	Varnish	Wood	0.00	Sanctuary
209	C Wall white plaster paint	White		0.18	Sanctuary
210	C wall window sash white paint on wood	White	Wood	0.00	Sanctuary
211	C wall vent painted shut white	White	Steel	0.00	Sanctuary
212	Crown molding C wall white	White		0.01	Sanctuary
213	A wall balcony corner column	White		0.10	Sanctuary
214	cornice B wall South facing wall	White	Wood	0.04	Sanctuary
215	D wall cornice	White	Wood	0.08	Sanctuary
216	Parapet railing cap SE corner	White		0.00	Sanctuary
217	perimeter trip on C wall near ceiling	White		0.00	Sanctuary
218	SE stair railing hand trim	Varnish	Wood	0.05	Sanctuary
219	stair way to sanctuary D wall	White		0.04	Sanctuary
220	D wall closet casing	White		0.18	Sanctuary
221	D wall closet base board shoe	White		0.04	Sanctuary
222	D wall closet corner wooden floor	Varnish	Wood	0.02	Sanctuary
223	D wall closet door vent cover			0.00	Sanctuary
224	A wall men's bathroom central eastern side	White		0.02	2
225	B wall men's bathroom central eastern side	White		0.80	2

226	C wall men's bathroom central eastern side	White		0.80	2
227	D wall men's bathroom central eastern side	White		0.80	2
228	A wall men's bathroom central eastern side	White		0.80	2
229	C wall patch at window eastern most wall	White		0.10	1
230	A wall first floor of sanctuary	White		0.00	1
231	Window patch A wall first floor of sanctuary white	White		0.00	1
232	Radiator cover first floor white paint	White		0.00	1
233	A wall interior entrance trim, white painted wood	White	Wood	0.00	1
234	Stain varnished A wall A1	Varnish	Wood	0.00	1
235	A wall window sash white painted wood	White	Wood	0.00	1
236	D wall	White		0.16	1
237	D wall radiator white painted housing	White	Steel	0.00	1
238	D wall window B3 white painted sash	White	Wood	0.00	1
239	B wall to stairwell to balcony	White		0.09	1
240	Newel post to stairwell B wall	Brown	Wood	0.01	1
241	White trim on altar/stage B wall	White	Wood	0.00	1
242	stained speaker cabinet A wall wood	Varnish	Wood	0.06	1
243	B wall stained inside grape carving wood	Varnish	Wood	0.03	1
244	Ornate trim below baptismal, base painted white B wall	White	Wood	0.00	1
245	Ornate trim below baptismal above base white painted wood	White	Wood	0.00	1
246	metal support under stage	Unpainted	Steel	0.00	1
247	electrical box on floor of stage		Steel	0.07	1
248	Black painted wood on stage	Black	Wood	0.00	1
249	Brown paint corner on stage dugout	Brown	Wood	0.00	1
250	Brown painted wood	Brown	Wood	0.02	1
251	Eastern stair well newel near stage white painted wood	White	Wood	0.05	1
252	closet	White	Wood	0.00	1
253	A wall men's bathroom	White		0.80	1
254	B wall men's room western of stage	White		0.00	1
255	B wall men's room western of stage	White		0.00	1
256	D wall men's bathroom west of stage	White		0.80	1
257	C wall men's bathroom west of stage	White		0.00	1

258	A wall center entrance way between western annex plaster white	White		0.00	1
259	B wall center entrance way between western annex plaster white	White		0.00	1
260	C wall center entrance way between western annex plaster white	White		0.00	1
261	D wall center entrance way between western annex plaster white	White		0.00	1
262	Center stage previous stairs wooden stained	Varnish	Wood	0.09	1
263	Ceiling central entrance way west of stage	White		0.00	1
264	B wall of closet west of stage	White		0.00	1
265	B wall shellac wood door casing	Varnish	Wood	0.07	1
266	Base board closet west of sanctuary, entry way		Wood	0.12	1
267	C wall closet west of sanctuary exterior door	White		0.02	1
268	A wall white plaster paint	White		0.00	
269	B wall white plaster paint intact	White		0.00	2
270	C wall white plaster paint sponge applied	White		0.00	2
271	C wall window 1 purple	Purple	Steel	0.00	2
272	C wall Metal door trim	White	Steel	0.01	2
273	D wall white paint	White		0.00	2
274	Radiator B wall white paint	White		0.09	2
275	D wall wooden cabinet built into the wall	Varnish	Wood	0.00	2
276	A wall white plaster paint	White		0.00	2
277	B wall radiator white paint intact	White		0.04	2
278	C wall white plaster	White		0.00	2
279	D wall white plaster	White		0.05	2
280	Ceiling raw plaster above 2x4 lay in	White		0.80	2
281	Ceiling plaster patch north wall	White		0.00	2
282	A wall choir room white plaster	White		0.00	2
283	B wall choir room white plaster	White		0.00	2
284	C wall choir room white plaster	White		0.00	2
285	D wall choir room white plaster	White		0.00	2
286	ceiling of choir room plaster	White		0.03	2
287	C side of center beam	White		0.01	2

288	A wall plaster men's room 205	White		0.00	2
289	B wall men's room 205	White		0.10	2
290	B wall window casing men's bathroom 205	White		0.08	2
291	C wall men's bathroom 205	White		0.00	2
292	Orange toilet stall men's room 205	Orange	Steel	0.83	2
293	A wall women's bathroom	White		0.00	2
294	B wall women's bathroom	White		0.00	2
295	C wall women's bathroom	White		0.00	2
296	D wall women's bathroom	White		0.00	2
297	Orange yellow bathroom stall	Yellow	Steel	1.77	2
298	A wall room 203 eastern most room	White		0.00	2
299	B wall room 203	White		0.01	2
300	C wall room 203	White		0.13	2
301	Window sill room 203 C wall eastern most wall white paint on metal	White	Steel	0.26	2
302	Window mullion window C 1 same window as above sample	White		0.11	2
303	Ceiling plaster 203 north eastern office	White		0.80	2
304	A wall painted cabinet	Blue	Formica	1.06	2
305	A wall wooden door varnish A1	Varnish	Wood	0.00	2
306	Door casing on metal	White	Steel	0.01	2
307	A wall of eastern stairwell floor 15	White		0.00	1
308	Standardization				1
309	Post calibration black plastic cart			0.00	
310	Post calibration black plastic cart			0.01	
311	Post calibration black plastic cart			0.01	
312	Post calibration paint chip			1.20	
313	Post calibration paint chip			1.11	
314	Post calibration paint chip			1.13	
315	Standardization				
316	Standardization			226.00	
317	Pre calibration brick			0.00	
318	pre calibration brick			0.00	
319	pre calibration brick			0.00	
320	pre calibration lead chip			1.24	

321	pre calibration lead chip			1.26	
322	pre calibration lead chip test partially aborted			0.95	
323	pre calibration lead chip			1.21	
324	Standardization				
325	Standardization			228.00	
326	pre calibration plastic push cart			0.01	
327	pre calibration plastic push cart			0.01	
328	pre calibration plastic push cart			0.01	
329	Pre calibration lead paint chip			1.31	
330	Pre calibration lead paint chip			1.17	
331	Pre calibration lead paint chip			1.14	
332	Eastern stairwell second floor metal exit door	Brown	Steel	0.01	2
333	Newel post eastern stairwell	Brown	Steel	0.09	2
334	Riser eastern stairwell second floor, brown	Brown	Steel	0.08	2
335	Stringer eastern stairwell second floor, brown	Brown	Steel	0.14	2
336	B Wall Eastern stairwell second floor	White		0.06	2
337	C wall eastern stairwell 1 white paint	White		0.06	2
338	D wall white paint eastern stairwell floor 1	White		0.80	2
339	Plaster beneath stairs	White		0.00	2
340	Standardization test			229.00	
341	pre calibration plastic push cart			0.01	
342	pre calibration plastic push cart			0.01	
343	pre calibration plastic push cart			0.01	
344	Pre calibration lead paint chip			1.37	
345	Pre calibration lead paint chip			1.18	
346	Pre calibration lead paint chip			1.23	
347	A wall auditorium 22	White		0.00	2
348	B Wall Auditorium 22	White		0.22	2
349	Standardization test			225.00	
350	pre calibration plastic push cart			0.00	
351	pre calibration plastic push cart			0.00	
352	pre calibration plastic push cart			0.01	
353	pre calibration lead chip			1.22	
354	pre calibration lead chip			1.17	

355	pre calibration lead chip			1.12	
356	Standardization test			228.00	
357	pre calibration plastic push cart			0.01	
358	pre calibration plastic push cart			0.01	
359	pre calibration plastic push cart			0.01	
360	pre calibration lead chip			1.12	
361	pre calibration lead chip			1.15	
362	pre calibration lead chip			1.51	
363	C Wall Auditorium 22	White		0.04	2
364	D Wall Auditorium 22	White		0.08	2
365	Ladies RR Door D wall	White		0.15	2
366	C Wall Exterior Door, White paint on Wood	White	Wood	0.00	2
367	C wall Stain Door	Varnish	Wood	0.02	2
368	C wall varnish door trim	Varnish	Wood	0.03	2
369	A wall Ladies restroom	White		0.01	2
370	B Wall Ladies Restroom	White		0.80	2
371	C Wall Ladies Restroom	White		0.00	2
372	Standardization test			229.00	
373	pre calibration plastic push cart			0.01	
374	pre calibration plastic push cart			0.00	
375	pre calibration plastic push cart			0.01	
376	pre calibration lead chip			1.23	
377	pre calibration lead chip			1.31	
378	pre calibration lead chip			1.10	
379	D wall women's bathroom	White		0.80	2
380	A wall in sheet music room choir loft room 208 white paint	White		0.07	2
381	B wall sheet music room choir loft room 208 white paint	White		0.00	2
382	C wall sheet music room choir loft room 208 white paint	White		0.04	2
383	D wall sheet music room choir loft room 208 white paint	White		0.05	2
384	A door casing brown paint	Brown	Wood	0.00	2
385	A 1 door wood brown paint	Brown	Wood	0.04	2
386	Door A 2 brown paint on metal	White	Steel	0.00	2
387	Door A 2 wood varnish	Varnish	Wood	0.00	2
388	Corridor behind altar A wall	White		0.00	2

389	Door A1 varnish on wood	Varnish	Wood	0.00	2
390	B wall on plaster	White		0.00	2
392	Standardization			227.00	
393	pre calibration plastic push cart			0.01	
394	pre calibration plastic push cart			0.19	
395	pre calibration plastic push cart			0.01	
396	pre calibration lead chip			1.46	
397	pre calibration lead chip			1.11	
398	pre calibration lead chip			1.23	
399	D wall hallway under baptismal pool	White		0.18	1
400	C wall on metal white pain	White	Steel	0.00	1
401	Ceiling underneath baptismal pool	White		0.03	1
402	Eastern stairwell Broadway st. level entrance door interior	Brown	Wood	1.19	1
403	Eastern stairwell Broadway st. level entrance door casing interior	Brown	Steel	0.16	1
404	Newel post brown paint	Brown	Steel	0.12	1
405	1st Floor A wall white paint intact	White		0.02	1
406	B wall 1st floor white paint intact plaster	White		0.00	1
407	C wall white paint on plaster intact	White		0.00	1
408	D wall white paint on plaster	White		0.00	1
409	Door frame on metal tan paint	Tan	Steel	0.05	1
410	A wall wood door varnish	Varnish	Wood	0.00	1
411	North side entry not primary A wall plaster	White		0.00	1
412	B wall on plaster white intact	White		0.00	1
413	C wall on plaster white intact	White		0.00	1
414	Cal Check			219.00	
415	Test Sample 1			1.70	
416	Test Sample 2			1.80	
417	Test Sample 3			1.80	
418	0 Test on plastic cart 1			0.70	
419	1 Test on plastic cart 2			0.40	
420	2 Test on plastic cart 3			0.10	
421	Room 1316 - A Wall	Peach	Drywall	0.00	1
422	Room 1316 - B Wall	Peach	Plaster	0.00	1

423	Room 1316 - C Wall	Peach	Drywall	0.00	1
424	Room 1316 - D Wall	Peach	Drywall	0.00	1
425	Room 1316 - Door C-1	Brown	Wood	0.00	1
	Cove Base is rubber\Window Sashes and casings are anodized aluminum				1
426	Room 1208 - A Wall	Peach	Drywall	0.00	1
427	Room 1208 - B Wall	Peach	Drywall	0.00	1
428	Room 1208 - C Wall	Peach	Drywall	0.00	1
429	Room 1208 - C Wall	Peach	Drywall	0.00	1
430	Room 1208 - Door B1	Brown	Wood	0.00	1
	Cove Base is rubber\Window Sashes and casings are anodized aluminum				1
431	Room 1206 -A Wall	Blue	Drywall	0.00	1
432	Room 1206 -B Wall	Blue	Drywall	0.00	1
433	Room 1206 -C Wall	Blue	Drywall	0.00	1
434	Room 1206 -D Wall	Blue	Drywall	0.00	1
435	Room 1206 - Door D1	Brown	Wood	0.00	1
	Cove Base is rubber\Window Sashes and casings are anodized aluminum				1
436	Test after "Tube Current Error" reset			0.00	
437	Room 1209\11- A Wall	Peach	Plaster	0.00	1
438	Room 1209\11- B Wall	Peach	Drywall	0.00	1
439	Room 1209\11- C Wall	Peach	Drywall	0.00	1
440	Room 1209\11- D Wall	Peach	Drywall	0.00	1
441	Room 1209\11- C Wall in Bath area above Sink	Green	Drywall	0.00	1
	Cove Base is rubber\Window Sashes and casings are anodized aluminum				1
442	Room 1201\03 - A Wall	White	Plaster	0.00	1
443	Room 1201\03 - B Wall	White	Drywall	0.00	1
444	Room 1201\03 - C Wall	White	Drywall	0.00	1
445	Room 1201\03 - Room Divider	Green	Comp. Board		1
446	Room 1201\03 - D Wall	White	Drywall	0.00	1
	Cove Base is rubber\Window Sashes and casings are anodized aluminum				1

447	North\South Corridor - A Wall	Yellow	Plaster	0.00	1	
448	North\South Corridor - B Wall	Yellow	Drywall	0.00	1	
449	North\South Corridor - C Wall	Yellow	Plaster	0.00	1	
450	North\South Corridor - D Wall	Yellow	Drywall	0.00	1	
451	Kitchen Area - Room G -A Wall	Pink	Plaster	0.00	1	
452	Kitchen Area - Room G -B Wall	Pink	Plaster	0.00	1	
453	Kitchen Area - Room G -C Wall	Pink	Plaster	0.00	1	
454	Kitchen Area - Room G -D Wall	Pink	Plaster	0.00	1	
455	Kitchen Area - Room G - Door Casing	Turquoise	Wood	0.00	1	
456	Kitchen Area - Room H -A Wall	Pink	Plaster	0.00	1	
457	Kitchen Area - Room H -B Wall	Pink	Drywall	0.00	1	
458	Kitchen Area - Room H -C Wall	Pink	Drywall	0.00	1	
459	Kitchen Area - Room H -D Wall	Pink	Drywall	0.00	1	
460	Kitchen Area - Room H -Coat Rack	Turquoise	Wood	0.00	1	
461	cal check			217.00	2	Noon Day
462	cart			0.02	2	Noon Day
463	cart			0.02	2	Noon Day
464	cart			0.00	2	Noon Day
465	lead paint chip			1.10	2	Noon Day
466	lead paint chip			1.10	2	Noon Day
467	lead paint chip			1.10	2	Noon Day
468	Wall A	White	Gypsum	0.00	2	Noon Day
469	Wall B	White	Gypsum	0.00	2	Noon Day
470	Wall C	White	Gypsum	0.00	2	Noon Day
471	Wall D	White	Gypsum	0.00	2	Noon Day
472	Pink paint door trim A wall	Pink	Gypsum	0.00	2	Noon Day
473	Wall A	Pink	Steel	0.00	2	Noon Day
474	Wall A	White	Gypsum	0.00	2	Noon Day
475	Wall B	White	Gypsum	0.00	2	Noon Day
476	Wall C	White	Gypsum	0.00	2	Noon Day
477	Wall D	White	Gypsum	0.00	2	Noon Day
478	B wall inter office wooden door	Varnish	Wood	0.00	2	Noon Day
479	B wall enclosure by window	White	Gypsum	0.00	2	Noon Day
480	interoffice door trim, pink paint on metal	Pink	Steel	0.00	2	Noon Day

481	d wall interoffice pink paint on metal door trim	Pink	Steel	0.00	2	Noon Day
482	Floor, blue gray carpet	Blue	Carpet	0.00	2	Noon Day
483	Wall A	White	Gypsum	0.00	2	Noon Day
484	Wall C	White	Gypsum	0.00	2	Noon Day
485	Wall D	White	Gypsum	0.00	2	Noon Day
486	Wall A	White	Gypsum	0.00	2	Noon Day
487	Wall B	White	Gypsum	0.00	2	Noon Day
488	Wall C	White	Gypsum	0.00	2	Noon Day
489	Wall D	White	Gypsum	0.00	2	Noon Day
490	C wall window sill	White	Gypsum	0.00	2	Noon Day
491	A wall pink metal door	Pink	Steel	0.00	2	Noon Day
492	White painted wood trim around message board fixed to wall C second	White	Wood	0.00	2	Noon Day
493	Exposed off white paint on cove base wall c under window	White	Rubber	0.00	2	Noon Day
494	Wall A	White	Gypsum	0.00	2	Noon Day
495	Wall B	White	Gypsum	0.00	2	Noon Day
496	Wall C exposed blue paint from previous paint history or patch. Visible	Blue	Gypsum	0.00	2	Noon Day
497	Patched paint above blue paint, C wall	White		0.00	2	Noon Day
498	Wall D	White	Gypsum	0.00	2	Noon Day
499	Wall A	White	Gypsum	0.00	2	Noon Day
500	Wall B	White	Gypsum	0.00	2	Noon Day
501	Wall C	White	Gypsum	0.00	2	Noon Day
502	Wall D	White	Gypsum	0.00	2	Noon Day
503	Ceiling	White	Gypsum	0.00	2	Noon Day
504	white paint on metal door trim	White	Steel	0.00	2	Noon Day
505	white paint on metal door	White	Steel	0.00	2	Noon Day
506	white paint on step rail/ladder to roof hatch	White	Steel	0.00	2	Noon Day
507	off white painted roof hatch, interior	Off white	Steel	0.00	2	Noon Day
508	Standardization:			220.00	2	Noon Day
509	plastic cart on standardization chip			0.00	2	Noon Day
510	plastic cart on standardization chip			0.10	2	Noon Day
511	plastic cart on standardization chip			0.10	2	Noon Day
512	Lead paint chip			1.20	2	Noon Day
513	Lead paint chip			1.10	2	Noon Day
514	Lead paint chip			1.40	2	Noon Day

515	Wall A	Gray	Gypsum	0.00	2	Noon Day
516	Wall B	Blue	Gypsum	0.00	2	Noon Day
517	Wall C	Black	Gypsum	0.00	2	Noon Day
518	Wall D	White	Gypsum	0.00	2	Noon Day
519	Wall B	White	Gypsum	0.00	2	Noon Day
520	Wall B	White	Gypsum	0.00	2	Noon Day
521	pink paint on B wall door trim	Pink	Gypsum	0.00	2	Noon Day
522	Stained wooden railing around stairs	Varnish	Wood	0.00	2	Noon Day
523	Wall A	White	Gypsum	0.00	2	Noon Day
524	Wall B	Pink	Gypsum	0.00	2	Noon Day
525	Wall C	White	Gypsum	0.00	2	Noon Day
526	Wall D	Pink	Gypsum	0.00	2	Noon Day
527	Painted wooden stair cove base, maroon color.	Maroon	Wood	0.00	2	Noon Day
528	Floor, blue carpet	Blue	Carpet	0.00	2	Noon Day
529	Maroon painted hand rail for north eastern stairwell.	Maroon	Steel	0.10	2	Noon Day
530	Wall A	Red	Gypsum	0.00	2	Noon Day
531	Wall B	Gray	Gypsum	0.00	2	Noon Day
532	Wall C	Black	Gypsum	0.00	2	Noon Day
533	Wall D	White	Gypsum	0.00	2	Noon Day
534	B wall	White	Gypsum	0.00	2	Noon Day
535	B wall	Pink	Steel	0.00	2	Noon Day
536	B wall	Pink	Wood	0.00	2	Noon Day
537	Standardization			220.00	1	Noon Day
538	Plastic calibration card			0.10	1	Noon Day
539	Plastic calibration card			0.00	1	Noon Day
540	Plastic calibration card			0.00	1	Noon Day
541	Lead paint chip			1.20	1	Noon Day
542	Lead paint chip			1.30	1	Noon Day
543	Lead paint chip			1.30	1	Noon Day
544	Wall A light pink paint around entire gymnasium of 1st floor			0.00	1	Noon Day
545	Wall B			0.00	1	Noon Day
546	Mural wall paper stuff around bible quotes			0.00	1	Noon Day
547	Wall C			0.00	1	Noon Day
548	Slightly darker pink on lower four feet of all walls.	Pink	Gypsum	0.00	1	Noon Day

549	dark maroon paint bible quotations	Maroon	Gypsum	0.10	1	Noon Day
550	Varnish wood on south western stairwell	Varnish	Wood	0.00	1	Noon Day
551	Wall B	White	Gypsum	0.00	1	Noon Day
552	Wall C	White	Gypsum	0.00	1	Noon Day
553	Red painted water sprinkler pipe			0.50	1	Noon Day
554	Standardization			219.00	1	Noon Day
555	Plastic calibration card			0.00	1	Noon Day
556	Plastic calibration card			0.00	1	Noon Day
557	Plastic calibration card			0.00	1	Noon Day
558	Lead paint chip			1.20	1	Noon Day
559	Lead paint chip			1.40	1	Noon Day
560	Lead paint chip			1.20	1	Noon Day
561	wood varnish door A wall, closet 2	Varnish	Wood	0.00	1	Noon Day
562	wood varnish door C wall closet 3	Varnish	Wood	0.00	1	Noon Day
563		Varnish	Wood	0.00	1	Noon Day
564	Standardization			219.00	1	Noon Day
565	Plastic calibration card			0.10	1	Noon Day
566	Plastic calibration card			0.10	1	Noon Day
567	Plastic calibration card			0.10	1	Noon Day
568	Lead paint chip			1.10	1	Noon Day
569	Lead paint chip			1.20	1	Noon Day
570	Lead paint chip			1.10	1	Noon Day
571	Wall A	Tan	Paneling	0.00	1	Noon Day
572	Wall B	Tan	Paneling	0.00	1	Noon Day
573	Wall C	Tan	Paneling	0.00	1	Noon Day
574	Wall D	Tan	Paneling	0.00	1	Noon Day
575	Portion of floor tested was exposed concrete with either white paint o	Vinyl	Concrete	0.00	1	Noon Day
576	maroon pipe in food storage closet	Maroon	Cast iron	0.10	1	Noon Day
577	Wooden Jesus altar/prayer window, north western office near fire exit	Varnish	Wood	0.00	1	Noon Day
578	white stucco paint near entrance Noon Day Ministries	White	Stucco	0.00	1	Noon Day
579	exterior beige paint	Beige		0.00	1	Noon Day
580	pink stucco north wall	Pink	Stucco	0.00	1	Noon Day
581	First Baptist church yellow fire line parking paint	Yellow	Asphalt	0.00	1	
582	First Baptist church varnish on western facing wooden doors, main ent	Varnish	Wood	0.00	1	

583	First Baptist church varnish on western facing wooden doors, main ent	Varnish	Wood	0.00	1
584	First Baptist church yellow fire line parking paint	Yellow	Concrete	1.70	1
585	First Baptist church yellow fire line parking paint	Yellow	Concrete	1.30	1
586	Yellow paint on western steps in front of main entrance to 1st Baptist	Yellow	CMU	0.00	1
587	Yellow paint on western steps in front of main entrance to 1st Baptist	Yellow	CMU	0.00	1

Appendix F

Engineering Cost Estimate

DC Environmental First Baptist Church Engineer's Estimate 4/25/2014											
Building Description		Vinyl floor tile with black mastic		Transite Panel Sq.Ft			Interior Duct Seam Sealer LnFt		Sheet Rock and Texture SqFt		
Building	Sq.Ft	Low	High	SqFt	Low	High	LnFt	Low	SqFt	Low	High
A	7400	14800	29600								
B	800	1600	3200								
C	32300	64600	129200	200	800	1200	60	180	1200	3600	6000
Noon Day											
Low Subtotal		81000			800			180		3600	
High Subtotal			162000			1200					6000
Duct Seam Mastic Exterior LnFt			Roofing Mastic Penetrations and seams SqFt			Built Up roof				Low Total	High Total
LnFt	Low	High	SqFt	Low	High	SqFt	Low	High			
400	2800	4000	400	6400	8800						
400	2800	4000	400	6400	8800						
1200	8400	12000	1200	4800	6600	9300	111600	167400			
100	700	1000	300	2400	3300						
	14700			20000			111600			231,880	
		21000			27500			167400			385,000
										$231,880	$385,400

Appendix G

Inspector Qualifications

ABIH®

american board of industrial hygiene®

organized to improve the practice of industrial hygiene
proclaims that

James David Charlesworth

having met all requirements of
education, experience and examination, and
ongoing maintenance,
is hereby certified in the

COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number	**8159 CP**
Awarded:	**October 30, 2001**
Expiration Date:	**June 1, 2017**

Chair ABIH

Executive Director ABIH