



LIMITED ASBESTOS AND LEAD SURVEY HVAC AND FIRE ALARM UPGRADE PROJECT

John Adams Middle School
2425 16th Street
Santa Monica, CA 90405

Prepared for:

Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

Project No.: SMSD-18-7674

Date: May 15, 2018

Revised: May 2, 2019

Alta Environmental

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EXECUTIVE SUMMARY

On May 1, 2018 through May 8, 2018, Alta Environmental (Alta) conducted limited bulk sampling of materials for asbestos and lead in paint analysis at John Adams Middle School located at 2425 16th Street, Santa Monica, California for the upcoming HVAC and Fire Alarm Project. Alta conducted the following activities:

- Physical assessment of suspect ACM and LBP materials in the areas identified by the District;
- Collection of bulk samples from suspect ACM and LBP; and
- Laboratory analysis of samples collected.

Asbestos-containing materials (ACMs) were detected in areas inspected by the scope of work. Removal may be subject to regulation under USEPA 40 CFR 61, *locally enforced by South Coast Air Quality Management District (SCAQMD) and Cal/OSHA regulation (Title 8 CCR Section 1529).*

Lead-based paints (LBP) were detected in areas impacted by the scope of work. Removal and disturbances may be subject to California Department of Public Health. When disturbed for construction purposes, impacts may be subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc.

Lead-containing paints (LCP) were detected in areas impacted by the scope of work. When disturbed for construction purposes, impacts may be subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc.

Refer to section 5 in this report for a summary of findings.

On January 18, 2018, Alta conducted a survey for the presence of asbestos containing materials (ACM) and lead based paint (LBP) in the Gymnasium Building (Building C) at John Adams Middle School. On May 2, 2019 a copy of the survey report (dated January 30, 2018) was incorporated into this report. It is included in Appendix H of this report.

PLEASE NOTE: The scope of work for Alta's survey activities, as agreed upon by the District, was limited to the interior walls and ceilings, as well as the exterior walls and roofs for the following buildings: A, B, C, E, F, G, H, L, S, T, U, V, P, Q, R, and N. Any materials outside of specific scope of work and not specifically mentioned in this report will need to be appropriately assessed prior to any disturbance.

CONTENTS

| | | |
|--------------|--|-----------|
| 1 | INTRODUCTION | 1 |
| 2 | PROJECT BACKGROUND | 1 |
| 3 | SCOPE OF WORK | 1 |
| 4 | METHODOLOGY | 2 |
| 4.1 | Asbestos | 2 |
| 4.2 | Lead | 2 |
| 5 | RESULTS | 2 |
| 5.1 | Lead | 8 |
| 6 | CONCLUSIONS AND RECOMMENDATIONS | 12 |
| 6.1 | Asbestos | 12 |
| 6.2 | Lead | 12 |
| 6.2.1 | Lead-Based Paint | 12 |
| 6.2.2 | Lead-Containing Paint | 13 |
| 7 | ASSUMPTIONS AND LIMITATIONS | 13 |
| 8 | SIGNATORY | 14 |

Appendices

Appendix A: Field Bulk Sample List: Asbestos

Appendix B: Laboratory Analytical Report: Asbestos

Appendix C: Field Bulk Sample List: Lead

Appendix D: Laboratory Analytical Report: Lead

Appendix E: Sample Location Drawings: Asbestos and Lead

Appendix F: Alta Environmental Employee Certifications

Appendix G: Previous Survey: CTL Environmental 2008

Appendix H: Survey for Asbestos and Lead in Paint – Gymnasium Building

REPORTED: May 15, 2018; revised May 2, 2019

PROJECT NO.: SMSD-18-7674

CLIENT: Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

ATTENTION: Mr. Chris Emmett

REF: Limited Asbestos and Lead Survey
John Adams Middle School
2425 16th Street
Santa Monica, California

1 INTRODUCTION

On May 1, 2018 through May 8, 2018, Alta Environmental (Alta) conducted bulk sampling of materials for asbestos and lead in paint analysis at John Adams Middle School located at 2425 16th Street, Santa Monica, California for the upcoming HVAC and Fire Alarm Project.

PLEASE NOTE: The scope of work for Alta's survey activities, as agreed upon by the District, was limited to all interior and exterior walls, ceilings, ceiling spaces, attic spaces, roof and mechanical units and ancillary equipment roofs for the following buildings: A, B, C, E, F, G, H, L, S, T, U, V, P, Q, R, and N. Any materials outside of specific scope of work and not specifically mentioned in this report will need to be appropriately assessed prior to any disturbance.

2 PROJECT BACKGROUND

Santa Monica-Malibu Unified School District (District) retained Alta Environmental for the survey. The survey was completed by Fabian Ruvalcaba, a Cal/OSHA Certified Asbestos Consultant and California Department of Public Health (CDPH) Certified Inspector/Assessor, Jorge Robles, a Cal/OSHA Certified Site Surveillance Technician and California Department of Public Health (CDPH) Certified Paint Chip Technician, and Carbany Becerril, an AHERA Certified Building Inspector under the direct supervision of Fabian Ruvalcaba, A Cal/OSHA Certified Asbestos Consultant and California Department of Public Health (CDPH) Certified Inspector/Assessor.

For this project, Alta used previous sampling information provided by the District. Alta reviewed a report from CTL Environmental in 2008. In some cases, the sampling and information was augmented during this inspection to meet current sampling requirements.

3 SCOPE OF WORK

The survey included the following:

- Review of existing records by CTL Environmental from 2008;

- Investigation to locate suspect asbestos-containing materials (ACM), and lead in paint in areas impacted by the scope of work;
- Physical assessment of suspect ACM, painted surfaces;
- Collection of bulk samples from suspect ACM, painted surfaces;
- Laboratory analysis of samples collected.

4 METHODOLOGY

4.1 Asbestos

Bulk samples of representative observed construction materials were collected. The sampling was conducted using guidelines set forth in *Federal Register 40 CFR Part 763*. Alta Environmental conducted an initial walkthrough of the Site to develop a listing and sampling scheme of suspect materials. Samples were placed in sealable sample containers and assigned a unique sample identification number.

Bulk samples collected from the Site were subsequently analyzed by polarized light microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency's (USEPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AQ Environmental Laboratories located in Signal Hill, California, a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

Based on the requirements of the USEPA as set forth in *40 CFR 763*, a homogeneous material is defined as "an area of surfacing material, thermal system insulation material or miscellaneous material that is uniform in color and texture." Furthermore, the regulation requires that a minimum number of samples be collected from each identified homogeneous material. If one sample in a homogeneous material is found to contain asbestos, the entire homogeneous material is considered to be asbestos-containing.

Caution is advised in interpreting results provided herein.

4.2 Lead

Representative bulk paint chip samples on plaster, drywall, and stucco were collected from interior and exterior walls and components.

Paint chips were collected to determine the parts per million (ppm) concentration of lead in the painted surfaces. Paint chip samples were collected for construction safety as defined by *Title 8 CCR Section 1532.1*. Paint chip sample analysis was conducted by EPA Method SW846/7420 at AQ Environmental located in Signal Hill, California, a laboratory accredited by the Environmental Lead Laboratory Accreditation Program (ELLAP).

5 RESULTS

Asbestos-containing materials (ACM) are those materials found to contain greater than one percent asbestos by weight as determined by the PLM method of analysis. These materials are subject to regulation under USEPA *40 CFR 61*, enforced locally by South Coast Air Quality Management District (SCAQMD) Rule 1403.

These materials are also subject to Cal/OSHA regulation (*Title 8 CCR Section 1529*) when disturbed for construction purposes.

Summary of ACM Materials:

Building A

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|--|--|---|-----------------------------------|---------------------|
| Rough plaster | Previously sampled JAA-02-01, JAA-02-02 | 93A, janitors closet, heater closet | 2% chrysotile | 950 sq. ft. |
| Gypsum board with joint compound | Previously sampled JAA-03-01 through JAA-03-03 | Under 12"x12" random peg hole wall/ceiling tile and throughout all rooms except restrooms, janitor's closets, ceilings in 94A, B, C. All ceilings throughout | None detected - 3% chrysotile | 18,000 sq. ft. |
| Hard pipe fitting TSI | Previously sampled JAA-07-01, JAA-07-02 | Room 95 | 20% chrysotile | 2 fittings |
| Stucco | Previously sampled JAA-10-01 Previously sampled 5518-5523 | Exterior walls | None detected - <1% chrysotile | 7,000 sq. ft. |
| Window putty | Previously sampled JAD-01-01 | Exterior windows | 2% chrysotile | 3,800 linear ft. |
| Chalkboards | NA | All Classrooms | Assumed | 400 sq. ft. |

Building B

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|---|---|--|--|------------------|
| Silver roof mastic | B22 through B24 | Roof penetrations, pads, patches, and wood block | 2% chrysotile – none detected | 65 sq. ft. |
| 1'x1' random large and small peg hole ceiling tile with mastic | Previously sampled JAB-04-01A through JAB-04-01B | Serving area, kitchen, eating area 2 | None detected (tile) 2% chrysotile (mastic) | 1,200 sq. ft. |
| Cement asbestos access panels (2'x4') | N/A | Hallway west and east ceiling | Assumed | 2 panels |

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|---------------------------------------|------------|------------------------------------|------------------|-------------|
| Freezer insulation (encased in metal) | N/A | Freezer | Assumed | 200 sq. ft. |
| 10" O.D. Transite Pipe | NA | Visible at Roof – east end of roof | Assumed | 2 pipes |

Building H

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|----------------------------|------------------------------|--|-------------------------------|------------------|
| Roofing debris | H-6 through H-6 | Ceiling spaces throughout | Chrysotile present | 4,500 sq. ft. |
| Silver painted roof mastic | H-12 through H-14 | Roof penetrations, pads, patches (predominant) | 4% chrysotile – none detected | 95 sq. ft. |
| Window putty | Previously sampled JAD-01-01 | Exterior windows | 2% chrysotile | 3,000 linear ft. |
| Stucco | Previously sampled JAD-13-01 | Exterior walls | 2% chrysotile | 3,800 sq. ft. |

Building L

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|--------------|--|---|-------------------------------|----------------|
| Window putty | Previously sampled JAL-07-01 | Exterior windows | 3% chrysotile | 100 linear ft. |
| Chalkboards | N/A | Rooms 70-73 | Assumed | N/A |
| Base felt | L-15 through L-17 | Roof (under all layers on wood) | 45% chrysotile | 8,000 sq. ft. |
| Gray mastic | L-21 through L-23 | Roof, penetrations, curb corner patches | 6% chrysotile – none detected | 85 sq. ft. |
| Stucco | Previously sampled JAL-06-01 Previously sampled 5714 through 5716 Previously sampled 5717 through 5718 | Exterior Walls | < 1% Chrysotile | 5,800 sq. ft. |

Building N

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|----------------------------------|--|---|-------------------------|------------------|
| Acoustical plaster ceiling | Previously sampled JAN-04-01 JAN-04-02 | Library | 2% Chrysotile | 5,625 sq. ft. |
| Gypsum board with joint compound | JAN-05-01 | observed above 12"x12" fissured ceiling tile in the computer hallway, and room 40A, 40B | 2% Chrysotile | 1,300 sq. ft. |

Building P/N

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|------------------------------|------------------------------|--|--------------------------------|------------------|
| 4" O. D. white TSI | P-21 | Ceiling spaces above room 44, 45, 47 | 40% chrysotile | 150 linear ft. |
| Acoustical plaster (ceiling) | Previously sampled Jan-04-03 | 54-57, 47, 47A, 45, 44 | 2% chrysotile | 8,000 sq. ft. |
| Stucco | Previously sampled 5744-5750 | exterior walls and sections of ceiling | None detected - <1% Chrysotile | 9,000 sq. ft. |
| Chalkboards | N/A | 54-57, 47, 47A, 45, 44 | Assumed | 300 sq. ft. |

Building Q

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|---|--|---|--|------------------|
| Acoustical plaster ceiling | Previously sampled JAN-04-05 | Rooms 32-34, waiting room, counsellor's A,B,C, hallway A, admin office, lobby room, 34A & 34B, principal's office, 14, 15 | 2% Chrysotile | 7,500 sq. ft. |
| 1'x1' random pinhole ceiling tile with mastic | Previously sampled JAN-20-01 A&B Q-6, Q-7 | Room 32, mechanical room 2 | 2% chrysotile – tile None detected - mastic | 7,200 sq. ft. |
| 12" fissured ceiling tile | N/A | Rooms 32-34, waiting room, counselor A,B,C, principal's office | Assumed | 900 sq. ft. |

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|----------------------|------------|--------------------|------------------|-------------|
| Transite chalkboards | N/A | Rooms 32-34, 14-15 | Assumed | 100 sq. ft. |

Building R

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|----------------------------------|--|--|------------------|---------------|
| Gypsum board with joint compound | Previously sampled JAR-03-01 through JAR-03-03 | Rooms 16, 17, 18, walls throughout, under wall tile, in HVAC closets | 2% chrysotile | 4,000 sq. ft. |

Building S

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|----------------------------|------------------------------|----------------------|------------------|---------------|
| Acoustical plaster ceiling | Previously sampled JAN-04-04 | Rooms, 50-53, 52 A&B | 2% Chrysotile | 3,600 sq. ft. |

Building T

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|---------------------------------------|--|--|------------------|---------------|
| Gypsum board with joint compound | Previously sampled JAN-05-02 JAN-05-03 | Rooms T04, Mech space above T04 RR, T03, Janitors office, community liaison, T102, T103, T01 (walls, sections of ceilings) | 2% Chrysotile | 3,000 sq. ft. |
| Joint Compound (Confirmation samples) | T-1 | Rooms T04, Mech space above T04 RR, T03, Janitors office, community liaison, T102, T103, T01 (walls, sections of ceilings) | 2%Chrysotile | 3,000 sq. ft. |
| Drywall (Confirmation sample) | T-2 | Rooms T04, Mech space above T04 RR, T03, Janitors office, community liaison, T102, T103, T01 (walls, sections of ceilings) | None detected | 3,000 sq. ft. |

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|---|------------------------------|--|-------------------------------------|------------------|
| Composite-drywall with joint compound (Confirmation sample) | T-3 | Rooms T04, Mech space above T04 RR, T03, Janitors office, community liaison, T102, T103, T01 (walls, sections of ceilings) | 0.38% chrysotile | 3,000 sq. ft. |
| Acoustical plaster ceiling | Previously sampled JAN-04-04 | Rooms 20, 21, 23, 22A, 30A, 30B, 19, Above drop ceiling in rooms 30, 31, T04, T03, T04 Rest Room, janitors office, community liaison, T102, T104 NOTE: the material is damaged at all areas above the drop ceilings. The debris is scattered through the ceiling space sitting on top of ceiling panels | 2% Chrysotile | 8,000 sq. ft. |
| Chalkboards | N/A | Rooms 21, 23, 30, 31, T04, T01 | Assumed | 400 sq. ft. |
| Acoustical wall plaster | T-23 through T-25 | Room T101 under wall tile | 4% Chrysotile | 800 sq. ft. |
| Light weight concrete | T-32 through T-34 | Room T04 mech space above restroom | 0.67% chrysotile – 0.74% chrysotile | 50 sq. ft. |

Building U

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|----------------------------|------------------------------|--------------------------|-------------------------|------------------|
| Acoustical plaster ceiling | Previously sampled JAN-04-04 | Room 10, 11, 12 | 2% chrysotile | 4,000 sq. ft. |
| Chalkboards | N/A | Room 10, 11, 12, 13 | Assumed | 400 sq. ft. |

Building V

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|------------------------------|------------------------------|--------------------------|-------------------------|------------------|
| Chalkboards* | N/A | Room 22, 24 | Assumed | 40 sq. ft. |
| Acoustical plaster (ceiling) | Previously sampled JAN-04-04 | Room 22, 24 | 2% chrysotile | 1,800 sq. ft. |

The results for all other materials sampled were reported as “none detected,” based on the limitations of the analytical method. Please refer to Appendix A for a complete listing of materials sampled, locations, and material conditions.

5.1 Lead

Lead-based paint (LBP), according to, the State of California, HUD and the USEPA is defined as paint or other surface coating with lead content equal to or greater than 5,000 parts per million (ppm) by paint chip analysis.

Lead-containing paints (LCP) according to Cal/OSHA *Title 8 CCR, Section 1532.1(d)* are defined as paints reported with any detectable levels of lead by paint chip analysis. When disturbed for construction purposes, these surfaces are subject to Cal/OSHA exposure assessment requirements. Amongst other things, this regulation requires initial employee exposure monitoring to evaluate work exposure during work that disturbs paint with any detectable level of lead. If airborne lead levels are above the established Cal/OSHA action limit or permissible exposure limit, additional monitoring and respiratory protection are required.

The following painted surfaces were analyzed by paint chip:

Summary of LBP

Building B

| Sample # | Component | Substrate | Material Location | Paint Color | Lead (ppm) |
|----------|-------------|-----------|---|-------------|------------|
| PC-B3 | Wall | Drywall | Interior walls throughout patch work | White | 7,500 |
| PC-B4 | Window case | Wood | Interior and exterior original wood windows | White | 91,000 |

Building P

| Sample # | Component | Substrate | Material Location | Paint Color | Lead (ppm) |
|----------|-----------|-----------|-----------------------|-------------|------------|
| PC-P5 | Flashing | Metal | Exterior north center | Green | 20,000 |

Building N

| Sample # | Component | Substrate | Material Location | Paint Color | Lead (ppm) |
|----------|---------------|-----------|--|-------------|------------|
| PC-N4 | Flashing | Metal | Exterior | Green | 33,000 |
| PC-N5 | Window casing | Wood | Interior and exterior on original wood windows | White | 8,300 |

Building Q

| Sample # | Component | Substrate | Material Location | Paint Color | Lead (ppm) |
|----------|-----------|-----------|-------------------|-------------|------------|
| PC-Q3 | Wall | Stucco | Exterior walls | White | 69,000 |
| PC-Q4 | Flashing | Metal | Exterior | Green | 14,000 |

Building T

| Sample # | Component | Substrate | Material Location | Paint Color | Lead (ppm) |
|----------|---------------|-----------|-----------------------|-------------|------------|
| PC-T4 | Flashing | Metal | Exterior wall | Green | 10,000 |
| PC-T6 | Window casing | Wood | Interior and exterior | Green | 22,000 |

Building U

| Sample # | Component | Substrate | Material Location | Paint Color | Lead (ppm) |
|----------|-----------|-----------|-------------------|-------------|------------|
| PC-U4 | Flashing | Metal | Exterior | Green | 130,000 |

Building V

| Sample # | Component | Substrate | Material Location | Paint Color | Lead (ppm) |
|----------|-----------|-----------|-------------------|-------------|------------|
| PC-V4 | Flashing | Metal | Exterior | Green | 96,000 |

Summary of LCP

Building A

- Wall/wood/white
- Wall/plaster/yellow
- Wall/plaster/white
- Wall/drywall/white
- Wall/stucco/white
- Window case/metal/white

Building B

- Wall/plaster/white
- Flashing/metal/green

Building G

- Ceiling/metal/white

Building H

- Window case/metal/white
- Flashing/metal/green

Building L

- Wall/drywall/white
- Beam/metal/white
- Deck/metal/white
- Wall/stucco/white
- Flashing/metal/green

Building P

- Wall/plaster/white
- Wall/stucco/white
- Window/wood/white

Building N

- Wall/plaster/white
- Wall/stucco/white

Building Q

- Wall/drywall/white
- Wall/plaster/white
- Window casing/wood/white

Building R

- Flashing/metal/green

Building S

- Wall/plaster/white
- Flashing/metal/green
- Window/wood/white

Building T

- Wall/plaster/white
- Wall/stucco/white
- Window casing/wood/white

Building U

- Wall/plaster/white
- Wall/drywall/white
- Wall/stucco/white (10-12)

Building V

- Wall/drywall/white
- Wall/plaster/white
- Wall/stucco/white

6 CONCLUSIONS AND RECOMMENDATIONS

The survey was conducted in all interior and exterior walls, ceilings, ceiling spaces, attic spaces, roof and mechanical units and ancillary equipment. Based on information provided by the District, floors will not be impacted during this project, and therefore, not inspected. The scope of work was limited to asbestos-containing material and lead in paint. Prior to renovation, materials not explicitly described in this report or materials subsequently discovered through destructive sampling should be tested for the presence of asbestos prior to any disturbance.

Alta recommends that during removal, or demolition, if suspect ACMs or lead materials are discovered, that the materials be assumed to contain asbestos and lead. The suspect ACM and lead materials should be properly characterized by a Cal-OSHA certified professional prior to disturbance or removal.

Alta has incorporated and summarized the sampling information from previous survey records: CTL Environmental from 2008. The findings reported in this report are intended to be used in conjunction with the previous records.

6.1 Asbestos

Asbestos-containing materials have been identified at the Site. Refer to Section 5 in this report for a summary of ACMs. ACMs and Asbestos-containing construction materials (ACCM) must be handled in accordance with Cal/OSHA Title 8 1529. (ACCM) are those materials reported to contain less than one percent (<1%) by PLM or greater than one tenth of one percent (>0.1%) using 1,000 point count analysis. ACCMs are subject to Cal-OSHA regulation when disturbed for construction purposes. Refer to Section 5 in this report for a summary of ACMs.

Removal of ACMs should be conducted by a licensed asbestos abatement contractor utilizing isolation control methods and dispose of properly. Workers handling ACM shall be asbestos trained and shall wear the appropriate personal protective equipment. Removal shall be conducted in accordance with South Coast Air Quality Management District (SCAQMD) Procedures 1 and/or 3 as necessary.

Damaged asbestos materials should be removed, repaired, encapsulated or enclosed. The USEPA (locally enforced by South Coast Air Quality Management District (SCAQMD) requires that all asbestos materials be removed prior to any renovation or demolition activities that may impact the material. The USEPA recommends that a proactive, in-place management program be put in place whenever asbestos is discovered in a building. Asbestos materials that are not damaged may be managed in place with a good operations and maintenance (O&M) program.

Material quantities included in this report are of observed material and provided as a best estimate for information only and shall not be used as a reliable quantity by any contractor for preparing removal bids. The contractor shall be solely responsible for assessing the type, extent, and quantity of material to be removed in each area of the project in preparing each project bid.

6.2 Lead

6.2.1 Lead-Based Paint

Lead-based paints have been identified in the Site. Refer to Section 5 in this report for a summary of LBP.

Impacts to LBP when disturbed for construction purposes are subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc. Impacts to LBP may also be subject to California Department of Public Health requirements if results of worker exposure monitoring exceed the Cal/OSHA permissible exposure limit.

An O&M program is also recommended for the identified LBP in good condition. An O&M program or interim control is a set of measures designed to temporarily reduce human exposure or possible exposure to LBP hazards. Such measures may include specialized cleaning, repairs, maintenance, painting, temporary containment and management and resident education programs. Visual monitoring conducted by owners and/or reevaluations by risk assessors are integral elements of an interim control. An initial evaluation of potential LBP hazard by a certified risk assessor is recommended for a successful implementation of the interim controls.

Abatement (e.g., stabilization) is recommended for damaged LBP, or if the condition of the materials noted as being in good condition should change. According to Federal regulations and guidelines, LBP abatement is the permanent (defined as designed to last at least 20 years or, in case of encapsulation, a 20-year product warranty) elimination of LBP hazards through replacement, enclosure, encapsulation, paint removal and cleaning to remove lead-contaminated dust.

Work activities impacting LBP pose a potential exposure risk for workers and/or building occupants. Workers trained in proper safety and respiratory techniques should perform renovation activities that may impact the LBP described in this report.

6.2.2 Lead-Containing Paint

Lead-containing paints have been identified at the Site. Refer to Appendix G in this report for a summary of LCP.

Workers who disturb surfaces with lead-containing paint are subject to regulation under *Title 8 CCR, Section 1532.1 (d)*. These requirements include awareness training, monitoring to determine worker exposure. This regulation requires initial and on-going (if necessary) employee exposure monitoring to evaluate lead work exposure that disturbs paint with any detectable level of lead. Alta Environmental suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of any project that disturbs painted surfaces.

7 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by Santa Monica-Malibu Unified School District and may not be relied upon by any other person or entity without Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate and independent bidding and contract document.

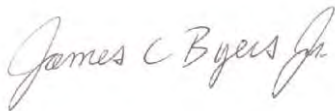
If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

8 SIGNATORY

Submitted for and on behalf of Alta Environmental

Prepared by:

Alta Environmental

A handwritten signature in blue ink that reads "James C. Byers Jr." in a cursive script.

James C. Byers
Senior Consultant/Project Manager
Certified Asbestos Consultant
Cal/OSHA Cert. #06-4122
Lead Inspector/Assessor
CDPH #14805

Reviewed by:

Alta Environmental

A handwritten signature in blue ink that reads "David Schack" in a cursive script.

David Schack
Vice President, Building Sciences
Certified Asbestos Consultant
Cal/OSHA Cert. #92-0219
Lead Inspector/Assessor
CDPH Cert. #1104

Appendix A

Field Bulk Sample List: Asbestos

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building A

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|------------------------------|---|------------------|--|---|--------------|---------|--------|
| White cap sheet roofing core | 0504-01 | None detected | North center | Roof | 16,200 SF | No | No |
| White cap sheet roofing core | 0504-02 | None detected | Center | | | | |
| White cap sheet roofing core | 0504-03 | None detected | South center | | | | |
| White parapet roofing | 0504-04 | None detected | Northwest corner | Roof | 850 SF | No | No |
| White parapet roofing | 0504-05 | None detected | West center | | | | |
| White parapet roofing | 0504-06 | None detected | East center | | | | |
| White penetration mastic | 0504-07 | None detected | Northwest corner | Roof | 35 pens | No | No |
| White penetration mastic | 0504-08 | None detected | Southwest corner | | | | |
| White penetration mastic | 0504-09 | None detected | West center | | | | |
| Smooth plaster | Previously sampled JAA-01-01, JAA-01-02 | None detected | Previously sampled (Cape Env. 1992) | Room 92, storage 2, work room 96B, 98D, 98C, 99B | 2,500 SF | No | No |
| Smooth plaster | Previously sampled 5524 through 5526 | None detected | Previously sampled (CTL 2008) | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building A

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|---|----------------------------------|--|--|---------------------|----------------|---------------|
| Rough plaster | Previously sampled JAA-02-01, JAA-02-02 | 2% chrysotile | Previously sampled (Cape Env. 1992) | 93A, janitors closet, heater closet | 950 SF | No | No |
| Gypsum board with joint compound | Previously sampled JAA-03-01 through JAA-03-03 | None detected - 3% chrysotile | Previously sampled (Cape Env. 1992) | Under 12"x12" random peghole wall/ceiling tile and throughout all rooms except restrooms, janitors closets, ceilings in 94A,B,C. All ceilings throughout | 18,000 SF | No | No |
| Hard pipe fitting TSI | Previously sampled JAA-07-01, JAA-07-02 | 20% chrysotile | Previously sampled (Cape Env. 1992) | Room 95 | 2 Fitting | Yes | No |
| 1'x1' random peghole wall and ceiling tile with glue | Previously sampled JAA-08-01A&B | None detected | Previously sampled (Cape Env. 1992) | Walls and ceilings rooms 93, 94, 95, 96, 97, 98, 98A, 99, 94A, 94C, 93B | 18,000 SF | No | No |
| 1'x1' random peghole wall and ceiling tile with glue | A-1 | None detected | Room 93 west center | | | | |
| 1'x1' random peghole wall and ceiling tile with glue | A-2 | None detected | Room 99 center | | | | |

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building A

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|-----------------------------|---|------------------|--|--|--------------|---------|--------|
| Pipe insulation | Previously sampled JAA-11-01, JAA-11-02 | None detected | Previously sampled (Cape Env. 1992) | Room 95 | 10 LF | No | No |
| Stucco | Previously sampled JAA-10-01 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 7,000 SF | No | No |
| Stucco | Previously sampled 5518-5523 | <1% chrysotile | Previously sampled (CTL 2008) | Exterior walls | 7,000 SF | No | No |
| Barrier paper | A-3 | None detected | Exterior southeast | Exterior under stucco | 7,000 SF | No | No |
| Barrier paper | A-4 | None detected | Exterior northwest | | | | |
| Barrier paper | A-5 | None detected | Exterior northeast | | | | |
| Button board | Previously sampled 5527 | None detected | Previously sampled (CTL 2008) | Room 92, storage 1, work room, 96B, 98D, 98C, 94B (under plaster walls throughout) | 3,500 SF | No | No |
| Button board | A-6 | None detected | Janitors closet southeast | | | | |
| Button board | A-7 | None detected | Room 95A southwest | | | | |
| Gray duct sealant | Previously sampled 5541 | None detected | Previously sampled (CTL 2008) | All heater closets | 200 SF | No | No |
| Gray duct sealant | A-8 | None detected | Room 94 heater closet | | | | |
| Gray duct sealant | A-9 | None detected | Room 95 heater closet | | | | |
| Chalkboards | N/A | Assumed | Not in scope | All classrooms | 400 SF | No | No |
| Window putty | Previously sampled JAD-01-01 | 2% chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 3,800 LF | No | No |
| Drywall with joint compound | Previously sampled 5528 through 5534 | None detected | Previously sampled (CTL 2008) | All room heater closets, dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99 | 4,500 SF | No | No |

Note: wood walls are predominant throughout the building

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building B

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--------------------------|--------------------|------------------|-----------------------------------|--|--------------|---------|--------|
| Barrier paper | B1 | None detected | Exterior - north center | Exterior walls under stucco | 4,900 SF | No | No |
| Barrier paper | B2 | None detected | Exterior - southeast | | | | |
| Barrier paper | B3 | None detected | Exterior - northwest | | | | |
| Window putty | Previously sampled | None detected | Previously sampled (CTL 2008) | Eating area 1, perimeter window frames | 1,200 LF | No | No |
| Window putty | B4 | None detected | Exterior - west center | Exterior on original wood windows | | | |
| Window putty | B5 | None detected | Exterior - north center | | | | |
| Brown wall tile mastic | B6 | None detected | Cafeteria - southeast corner wall | Cafeteria perimeter walls above ceiling panel | 2,800 SF | No | No |
| Brown wall tile | B7 | None detected | Cafeteria - south center wall | | | | |
| Brown wall tile mastic | B8 | None detected | Cafeteria - southwest corner wall | | | | |
| Button board | B5A | None detected | Eating area south center | Interior throughout under smooth and rough plaster | 9,000 SF | No | No |
| Button board | B9 | None detected | Serving area northeast corner | | | | |
| Button board | B10 | None detected | Staff dining southeast corner | | | | |
| Residual ceiling plaster | B11 | None detected | Cafeteria southeast corner wall | Cafeteria above drop ceiling at perimeter edges | 200 SF | No | No |
| Residual ceiling plaster | B12 | None detected | South center | | | | |
| Residual ceiling plaster | B13 | None detected | Southwest corner wall | | | | |

MATERIAL INVENTORY

LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building B

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|-------------------------|------------------|-------------------------------|--|--------------|---------|--------|
| Cement wall panel | Previously sampled 5562 | None detected | Previously sampled (CTL 2008) | Hallway west and east ceiling | 150 SF | No | No |
| Cement wall panel | B14 | None detected | Eating area 1 southwest | Eating area 1 under windows | 6,000 SF | No | No |
| Cement wall panel | B15 | None detected | Eating area 1 northwest | | | | |
| Roofing debris | B16 | None detected | Kitchen southwest | Ceiling space throughout | | | |
| Roofing debris | B17 | None detected | Eating area 1 south center | | | | |
| Roofing debris | B18 | None detected | Kitchen north center | | | | |
| Gravel roof core with brown paper base | B19 | None detected | Roof center | Roof - all level | 6,000 SF | No | No |
| Gravel roof core with brown paper base | B20 | None detected | Roof northeast corner | | | | |
| Gravel roof core with brown paper base | B21 | None detected | Roof northwest corner | | | | |
| Silver roof mastic | B22 | 2% chrysotile | Roof northeast corner | Roof penetrations, pads, patches, and wood block | 65 SF | No | No |
| Silver roof mastic | B23 | None detected | Roof center | | | | |
| Silver roof mastic | B24 | None detected | Roof northwest corner | | | | |
| White painted roof mastic | B25 | None detected | Roof northeast corner | Roof penetrations and patch work | 60 SF | No | No |
| White painted roof mastic | B26 | None detected | Roof center | | | | |
| White painted roof mastic | B27 | None detected | Roof northwest | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building B

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|--|--|-------------------------------------|--|--------------|---------|--------|
| 10" O.D. transite pipe | N/A | Assumed positive material | N/A | Visible at roof east end of roof | 2 Pipes | No | No |
| 2'x4' random pinhole and groove ceiling tile | Previously sampled JAB-02-01 through JAB-02-03 | None detected | Previously sampled (Cape Env. 1992) | Eating area 1 (ceiling, staff dining room) | 2,000 SF | No | No |
| 1'x1' random large and small peghole ceiling tile with mastic | Previously sampled JAB-04-01A through JAB-04-01B | None detected (tile) 2% chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Serving area, kitchen, eating area 2 | 1,200 SF | Yes | No |
| Rough plaster wall and ceilings | Previously sampled JAB-05-01 through JAB-05-03 | None detected | Previously sampled (Cape Env. 1992) | Men's and women's restroom, hallway west, mechanical room | 500 SF | No | No |
| Smooth plaster | Previously sampled JAB-06-01, JAB-06-02 | None detected | Previously sampled (Cape Env. 1992) | Eating area 1, 2, serving area, staff dining, Kitching, storage 2, hallway east and west | 4,500 SF | No | No |
| Smooth plaster | Previously sampled 5548 through 5550 | None detected | Previously sampled (CTL 2008) | | | | |
| Stucco | Previously sampled 5542 through 5547 | None detected | Previously sampled (CTL 2008) | Exterior walls | 4,900 SF | No | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building B

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|--------------------------------------|------------------|-------------------------------|--|--------------|---------|--------|
| Joint compound | Previously sampled 5551 through 5555 | None detected | Previously sampled (CTL 2008) | Eating area 1, kitchen, random patch work throughout | 3,500 SF | No | No |
| Drywall | Previously sampled 5556 | None detected | Previously sampled (CTL 2008) | Eating area 1, kitchen | 3,500 SF | No | No |
| Composite drywall with joint compound | Previously sampled 5557 | None detected | Previously sampled (CTL 2008) | Eating area 1, kitchen | 3,500 SF | No | No |
| Cement asbestos access panels (2'x4')* | N/A | Assumed | Not sampled to avoid damage | Hallway west and east ceiling | 2 Panels | No | No |
| Freezer insulation (encased in metal)* | N/A | Assumed | Not sampled to avoid damage | Freezer | 200 SF | No | No |
| Note: only (interior/exterior) walls, ceilings, ceiling spaces, roof were re-inspected | | | | | | | |
| Note: materials, quantities, locations, listed on CTL survey remain consistent. These samples supplemented CTL survey | | | | | | | |
| Not accessible areas: Pantry, freezer, snack bar, office 1, office 2 | | | | | | | |
| *The materials should be sampled prior to disturbance during construction | | | | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building E

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|----------------------------|------------|------------------|-----------------------------|---------------------|--------------|---------|--------|
| Drywall joint compound | 501-B1 | None detected | Room 86- southwest wall | Classroom wall | 6200 SF | No | No |
| Drywall joint compound | 501-B2 | None detected | Room 86- southeast wall | | | | |
| Drywall joint compound | 501-B3 | None detected | Room 87- southeast wall | | | | |
| Drywall joint compound | 501-B4 | None detected | Room 87- southwest wall | | | | |
| Drywall joint compound | 501-B5 | None detected | Room 88 - southeast wall | | | | |
| Drywall joint compound | 501-B6 | None detected | Room 88- southwest wall | | | | |
| Drywall joint compound | 501-B7 | None detected | Room E01 - northeast wall | Custodian room wall | | | |
| Drywall | 501-B8 | None detected | E01- southwest wall | | | | |
| Drywall | 501-B9 | None detected | E01- southeast wall | | | | |
| Composite drywall with mud | 501-B10 | None detected | E01 - southwest wall | | | | |
| Stucco | 501-B11 | None detected | Exterior - northwest corner | Exterior walls | 6,200 SF | No | No |
| Stucco | 501-B12 | None detected | Exterior - northeast corner | | | | |
| Stucco | 501-B13 | None detected | Exterior - southwest corner | | | | |
| Stucco | 501-B14 | None detected | Exterior - southeast corner | | | | |
| Stucco | 501-B15 | None detected | Exterior - east center | | | | |
| Barrier paper | 501-B16 | None detected | Exterior - northwest corner | | | | |
| Barrier paper | 501-B17 | None detected | Exterior - southeast corner | | | | |
| Barrier paper | 501-B18 | None detected | Exterior - southwest corner | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building E

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|-------------------------|------------|------------------|--|--|--------------|---------|--------|
| Gray cement panel | 501-B19 | None detected | Roof - west center of window | Exterior- west end at windows, east end at walkway ceiling | 2,000 SF | No | No |
| Gray cement panel | 501-B20 | None detected | Roof- northeast walkway ceiling | | | | |
| Gray cement panel | 501-B21 | None detected | Roof - southeast walkway ceiling | | | | |
| White painted roof core | 501-B22 | None detected | Roof- southeast (walkway) corner | Roof (top layers) | 3,600 SF | No | No |
| White painted roof core | 501-B23 | None detected | Roof - northeast corner (parapet wall) | | | | |
| White painted roof core | 501-B24 | None detected | Roof- center | | | | |
| Brown insulation | 501-B25 | None detected | Roof- southeast corner (walkway) | Roof (middle layers) | 3,600 SF | No | No |
| Brown insulation | 501-B26 | None detected | Roof - northeast corner (parapet wall) | | | | |
| Brown insulation | 501-B27 | None detected | Roof- center | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building E

[illegible]

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building F

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---------------------------------------|------------|------------------|---------------------------|--|--------------|---------|--------|
| Drywall joint compound | 501-A1 | None detected | Wall (southwest) room 84 | Interior walls women's restroom, girls restroom, 83, 84, 85, electrical closet | 6,200 SF | No | No |
| Drywall joint compound | 501-A2 | None detected | Wall (southeast) room 84 | | | | |
| Drywall joint compound | 501-A3 | None detected | Wall (southeast) room 85 | | | | |
| Drywall joint compound | 501-A4 | None detected | Wall (southwest) room 85 | | | | |
| Drywall joint compound | 501-A5 | None detected | Wall (southwest) room F01 | | | | |
| Drywall joint compound | 501-A6 | None detected | Room 86 - southwest wall | | | | |
| Drywall joint compound | 501-A7 | None detected | Room 86 - southeast wall | | | | |
| Drywall | 501-A8 | None detected | F03- southeast wall | | | | |
| Drywall | 501-A9 | None detected | F03- northeast wall | | | | |
| Composite drywall with joint compound | 501-A10 | None detected | F03- northeast wall | | | | |
| Stucco | 501-A11 | None detected | Exterior | Exterior walls | 3,800 SF | No | No |
| Stucco | 501-A12 | None detected | Exterior | | | | |
| Stucco | 501-A13 | None detected | Exterior | | | | |
| Stucco | 501-A14 | None detected | Exterior | | | | |
| Stucco | 501-A15 | None detected | Exterior | | | | |
| Barrier paper | 501-A16 | None detected | Exterior | Exterior walls under stucco | | | |
| Barrier paper | 501-A17 | None detected | Exterior | | | | |
| Barrier paper | 501-A18 | None detected | Exterior | | | | |

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building F

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|------------|------------------|--|---|--------------|---------|--------|
| Gray cement panel | 501-A19 | None detected | Exterior west center window | Exterior west end on windows, east end at walkway ceiling | 2,000 SF | No | No |
| Gray cement panel | 501-A20 | None detected | Exterior - northeast | | | | |
| Gray cement panel | 501-A21 | None detected | Exterior - southeast | | | | |
| White painted rolled roof | 501-A22 | None detected | Roof - northwest corner (parapet wall) | Roof (top layers) | 3,600 SF | Yes | No |
| White painted rolled roof | 501-A23 | None detected | Roof - southeast corner (walkway) | | | | |
| White painted rolled roof | 501-A24 | None detected | Roof - center (parapet wall) | | | | |
| Brown insulation | 501-A25 | None detected | Roof - northwest corner (walkway) | Roof (middle layers) | 3,600 SF | No | No |
| Brown insulation | 501-A26 | None detected | Roof - southeast corner (parapet wall) | | | | |
| Brown insulation | 501-A27 | None detected | Roof - center | | | | |
| Black base felt | 501-A28 | None detected | Roof - northwest corner (parapet wall) | Base layer all layer of roof | 80 SF | No | No |
| Black base felt | 501-A29 | None detected | Roof - southeast corner (walkway) | | | | |
| Black base felt | 501-A30 | None detected | Roof - center | | | | |
| White painted roof mastic | 501-A31 | None detected | Roof - northwest corner (parapet wall) | Penetration, pads, curb corner, patch work | 80 SF | No | No |
| White painted roof mastic | 501-A32 | None detected | Roof - southeast corner (walkway) | | | | |
| White painted roof mastic | 501-A33 | None detected | Roof - center | | | | |
| Note: Silicon window/door caulking (not suspect) | | | | | | | |
| Note: Floors and cove base were not in scope of work | | | | | | | |
| Note: Corrugated sheet metal ceiling present throughout (not suspect) | | | | | | | |

MATERIAL INVENTORY

LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building G

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---------------------------------------|-------------------|-------------------------|------------------------------------|--|---------------------|----------------|---------------|
| Drywall joint compound | 501-1 | None detected | Room 80 - southwest corner | Women's restroom, girls restroom, 80, 81, 82 | 6,200 SF | No | No |
| Drywall joint compound | 501-2 | None detected | Room 80 - northeast corner | | | | |
| Drywall joint compound | 501-3 | None detected | Electrical room - southwest corner | | | | |
| Drywall joint compound | 501-4 | None detected | Room 81 - northwest | | | | |
| Drywall joint compound | 501-5 | None detected | Room 81 - southwest | | | | |
| Drywall joint compound | 501-6 | None detected | Room 82 - northeast | | | | |
| Drywall joint compound | 501-7 | None detected | Room 82 - southwest | | | | |
| Drywall | 501-8 | None detected | Electrical room - northeast | | | | |
| Drywall | 501-9 | None detected | Room 80 - northwest | | | | |
| Composite drywall with joint compound | 501-10 | None detected | Electrical room - southwest corner | | | | |
| Stucco | 501-11 | None detected | Exterior - northeast | Exterior Walls | 5,200 SF | No | No |
| Stucco | 501-12 | None detected | Exterior - east center | | | | |
| Stucco | 501-13 | None detected | Exterior - northwest | | | | |
| Stucco | 501-14 | None detected | Exterior - southwest | | | | |
| Stucco | 501-15 | None detected | Exterior - southeast | | | | |
| Barrier paper | 501-16 | None detected | Northwest | Exterior walls under stucco | 3,200 SF | No | No |
| Barrier paper | 501-17 | None detected | Northeast | | | | |
| Barrier paper | 501-18 | None detected | South center | | | | |

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building G

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|------------|------------------|--------------------------------------|--|--------------|---------|--------|
| Gray cement panel | 501-19 | None detected | Exterior - northwest at window | Exterior - west end at windows, east end walkway ceiling | 2,000 SF | No | No |
| Gray cement panel | 501-20 | None detected | Exterior - northeast walkway ceiling | | | | |
| Gray cement panel | 501-21 | None detected | Exterior - southeast walkway ceiling | | | | |
| White painted rolled on roof core | 501-22 | None detected | Roof- center | Roof (top layers) | 3,600 SF | No | No |
| White painted rolled on roof core | 501-23 | None detected | Roof - northwest at parapet wall | | | | |
| White painted rolled on roof core | 501-24 | None detected | Roof - southeast at walkway | | | | |
| Brown insulation | 501-25 | None detected | Roof- center at parapet wall | Roof (middle layers) | 3,600 SF | Yes | No |
| Brown insulation | 501-26 | None detected | Roof- northwest at walkway | | | | |
| Brown insulation | 501-27 | None detected | Roof - southeast | | | | |
| Block base felt | 501-28 | None detected | Roof- center | Base under all layer of roof | 3,600 SF | No | No |
| Block base felt | 501-29 | None detected | Roof - northwest | | | | |
| Block base felt | 501-30 | None detected | Roof - southeast | | | | |
| White painted roof mastic | 501-31 | None detected | Roof - center | Penetrations, pads, curb corner, patch work | 80 SF | No | No |
| White painted roof mastic | 501-32 | None detected | Roof - north center | | | | |
| White painted roof mastic | 501-33 | None detected | Roof - south center | | | | |
| Note: silicon window caulking/door caulking at doors and windows | | | | | | | |
| Note: floors and cove bases were not in scope of work | | | | | | | |
| Note: corrugated sheet metal ceiling throughout building (not suspect) | | | | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building H

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|-------------------------|--------------------|-------------------------------|-------------------------------------|--------------|---------|--------|
| 2'x4' fissured ceiling panel | Previously sampled 5640 | None detected | Previously sampled (CTL 2008) | C1, C2, C3A, C3 | 3,800 SF | No | No |
| 2'x4' fissured ceiling panel | H-1 | None detected | C2- center | | | | |
| 2'x4' fissured ceiling panel | H-2 | None detected | C3- center | | | | |
| Gray duct sealant | H-3 | None detected | Mechanical room- center | Heater closets and mechanical rooms | 50 SF | No | No |
| Gray duct sealant | H-4 | None detected | C2- closet center | | | | |
| Gray duct sealant | H-5 | None detected | C3- closet center | | | | |
| Roofing debris | H-6 | None detected | C2- center | Ceiling spaces throughout | 4,500 SF | No | Yes |
| Roofing debris | H-7 | None detected | C1- center | | | | |
| Roofing debris | H-8 | Chrysotile present | C3- center | | | | |
| Gray rolled on roofing core with brown paper base | H-9 | None detected | Roof- center | Roof | 4,500 SF | No | No |
| Gray rolled on roofing core with brown paper base | H-10 | None detected | Roof- southeast | | | | |
| Gray rolled on roofing core with brown paper base | H-11 | None detected | Roof- northwest | | | | |

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building H

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|----------------------------------|--------------------------------------|------------------|-------------------------------------|---|--------------|---------|--------|
| Silver painted roof mastic | H-12 | 4% chrysotile | Roof- center | Roof penetrations, pads, patches (predominant) | 95 SF | No | No |
| Silver painted roof mastic | H-13 | None detected | Roof- southwest | | | | |
| Silver painted roof mastic | H-14 | None detected | Roof- Northeast | | | | |
| Black roof mastic | H-15 | None detected | Roof- center | Roof- patch work | 30 SF | No | No |
| Black roof mastic | H-16 | None detected | Roof- north center | | | | |
| Black roof mastic | H-17 | None detected | Roof- southeast | | | | |
| White roof mastic | H-18 | None detected | Roof- center | Roof- patch work | 20 SF | No | No |
| White roof mastic | H-19 | None detected | Roof- northwest | | | | |
| White roof mastic | H-20 | None detected | Roof- southwest | | | | |
| Gypsum board with joint compound | Previously sampled JAD-14-01 | None detected | Previously sampled (Cape Env. 1992) | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 SF | No | No |
| Joint compound | Previously sampled 5632 through 5638 | None detected | Previously sampled (CTL 2008) | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C, C3 restroom, C3A, C3, C6 | 5,200 SF | No | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building H

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--------------|------------------------------------|------------------|--|-------------------|--------------|---------|--------|
| Window putty | Previously sampled JAD-01-01 | 2% chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 3,000 LF | No | No |
| Stucco | Previously sampled JAD-13-01 | 2% chrysotile | Previously sampled (Cape Env. 1992) | Exterior walls | 3,800 SF | No | No |

Note: Only (interior/exterior) walls, ceilings, roofs were reinspected

Note: materials, quantities, locations, remain the same listed on the CTL survey. These samples supplemented the CTL survey.

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building L (Room 70-73)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|--|------------------|--|-----------------------|--------------|---------|--------|
| Window putty | Previously sampled JAL-07-01 | 3% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 100 LF | No | No |
| Duct tape on HVAC | Previously sampled JAL-08-01 through JAL-08-03 | None Detected | Previously sampled (Cape Env. 1992) | Rooms 70B and 72B | 20 SF | No | No |
| Joint compound | Previously sampled 5705 through 5711 | None Detected | Previously sampled (CTL 2008) | Rooms 70-73, 70B, 72B | 7000 SF | No | No |
| Drywall | Previously sampled 5712 | None Detected | Previously sampled (CTL 2008) | Rooms 70-73, 70B, 72B | 7000 SF | No | No |
| Composite drywall with joint compound | Previously sampled 5713 | None Detected | Previously sampled (CTL 2008) | Rooms 70-73, 70B, 72B | 7000 SF | No | No |
| Stucco | Previously sampled JAL-06-01 | None Detected | Previously sampled (Cape Env. 1992) | Exterior walls | 5,800 SF | No | No |
| Stucco | Previously sampled 5714 through 5716 | <1% Chrysotile | Previously sampled (CTL 2008) | | | | |
| Stucco | Previously sampled 5717 through 5718 | None Detected | Previously sampled (CTL 2008) | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building L (Room 70-73)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|------------------------------|-------------------------|------------------|-------------------------------|------------------------------------|--------------|---------|--------|
| Barrier paper | Previously sampled 5719 | None Detected | Previously sampled (CTL 2008) | Exterior walls under stucco | 5,800 SF | No | No |
| Barrier paper | L-07 | None detected | Exterior northeast | | | | |
| Barrier paper | L-08 | None detected | Exterior southwest | | | | |
| 2'x4' fissured ceiling panel | Previously sampled 5720 | None Detected | Previously sampled (CTL 2008) | Rooms 70-73 | 8,000 SF | Yes | No |
| 2'x4' fissured ceiling panel | L-01 | None detected | Room 73 center | | | | |
| 2'x4' fissured ceiling panel | L-02 | None detected | Room 72 center | | | | |
| White duct sealant | Previously sampled 5722 | None Detected | Previously sampled (CTL 2008) | Rooms 70-73, 70B, 72B on duct work | 100 SF | No | No |
| White duct sealant | L-03 | None detected | Room 70B center | | | | |
| White duct sealant | L-04 | None detected | Room 72B center | | | | |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Rooms 70-73 | N/A | N/A | N/A |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building L (Room 70-73)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|------------------------------|------------------|-------------------------------------|---|--------------|---------|--------|
| 1x1" peg hole ceiling tile | Previously sampled JAL-05-01 | None Detected | Previously sampled (Cape Env. 1992) | Rooms 73, 72, 70, 71, 70A, 72A (above drop ceiling) *on metal decking. No glue observed | 8,000 SF | No | No |
| 1x1" peg hole ceiling tile | L-05 | None detected | Room 73 center | | | | |
| 1x1" peg hole ceiling tile | L-06 | None detected | Room 72 center | | | | |
| Rough textured plaster | L-09 | None detected | Room 74 east center | Rooms 74, 75 | 200 SF | No | No |
| Rough textured plaster | L-10 | None detected | Room 74 northeast | | | | |
| Rough textured plaster | L-11 | None detected | Room 75 southeast | | | | |
| Gravel coated roof core with brown insulation | L-12 | None detected | Roof, center | Roof | 8,000 SF | No | No |
| Gravel coated roof core with brown insulation | L-13 | None detected | Roof, west center | | | | |
| Gravel coated roof core with brown insulation | L-14 | None detected | Roof, northeast | | | | |

MATERIAL INVENTORY

LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building L (Room 70-73)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|-------------------------------------|------------|------------------|-----------------------------|---|--------------|---------|--------|
| Base felt | L-15 | 45% chrysotile | Roof, center | Roof (under all layers on wood) | 8,000 SF | No | No |
| Base felt | L-16 | 45% chrysotile | Roof, west center | | | | |
| Base felt | L-17 | 45% chrysotile | Roof, northeast | | | | |
| White sheet roofing | L-18 | None detected | Roof, west center | Roof, curb corners at exhaust fan bases | 500 SF | No | No |
| White sheet roofing | L-19 | None detected | Roof, northeast | | | | |
| White sheet roofing | L-20 | None detected | Roof, center | | | | |
| Gray mastic | L-21 | None detected | Roof, southeast penetration | Roof, penetrations, curb corner patches | 85 SF | No | No |
| Gray mastic | L-22 | 6% chrysotile | Roof, center bore at duct | | | | |
| Gray mastic | L-23 | 6% chrysotile | Roof, southwest penetration | | | | |
| Black/white/gray rubberized sealant | L-24 | None detected | Roof, west center | Roof, at exhaust fan and ducting | 50 SF | No | No |
| Black/white/gray rubberized sealant | L-25 | None detected | Roof, center | | | | |
| Black/white/gray rubberized sealant | L-26 | None detected | Roof, east center | | | | |

* This material shall be sampled prior to disturbance during construction.

Note: only interior/exterior walls, floors, ceilings, ceiling spaces, and roofs were re-inspected.

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building P/N (44-047)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|------------|------------------|--------------------------------|--|--------------|---------|--------|
| 2'x4' fissured ceiling panel | 5767 | None detected | Previously sampled (CTL 2008) | Room 44, 45, 44A | 3,000 SF | Yes | No |
| 2'x4' fissured ceiling panel | P-01 | None detected | Room 44 - center | | | | |
| 2'x4' fissured ceiling panel | P-02 | None detected | Room 45 - center | | | | |
| 1'x1' peghole ceiling tile with glue | 5768 | None detected | Previously sampled (CTL 2008) | Room 44, 47B, 45 (also above drop ceilings) | 2,900 SF | Yes | No |
| 1'x1' peghole ceiling tile with glue | P-03 | None detected | Room 44 - center | | | | |
| 1'x1' peghole ceiling tile with glue | P-04 | None detected | Room 45 - center | | | | |
| Duct sealant | P-05 | None detected | Heater closet - room 54 center | All heater closets and duct work throughout | 100 SF | No | No |
| Duct sealant | P-06 | None detected | Heater closet - Room 57 center | | | | |
| Window putty | P-07 | None detected | Room 47 - west center | Exterior windows at original wood windows | 150 LF | No | No |
| Window putty | P-08 | None detected | Room 44 - west center | | | | |
| 12"x12" fissured ceiling tile with glue | P-09 | None detected | Room 54 - center | Room 54, 55, 56, 57, 47, 47A | 150 LF | No | No |
| 12"x12" fissured ceiling tile with glue | P-10 | None detected | Room 56- center | | | | |
| 12"x12" fissured ceiling tile with glue | P-11 | None detected | Room 57 - center | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building P/N (44-047)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|------------------------------|------------------|--|--|--------------|---------|--------|
| White rolled on roof core | P-12 | None detected | Roof - northwest above 54 center | Roof | 10,000 SF | No | No |
| White rolled on roof core | P-13 | None detected | Roof - above room 47 center | | | | |
| White rolled on roof core | P-14 | None detected | Roof - above room 4 center | | | | |
| White rolled on roof core (parapet wall) | P-15 | None detected | Roof - northwest | Roof (Parapet wall) | 1,600 SF | No | No |
| White rolled on roof core (parapet wall) | P-16 | None detected | Roof - northeast above room 47 | | | | |
| White rolled on roof core (parapet wall) | P-17 | None detected | Roof - southeast above room 44 | | | | |
| White painted roof mastic | P-18 | None detected | Roof - north center above room 56 | Roof (Penetrations, pads, patches, curb corners) | 130 SF | No | No |
| White painted roof mastic | P-19 | None detected | Roof - northeast above room 44 | | | | |
| White painted roof mastic | P-20 | None detected | Roof - southeast above room 44 | | | | |
| 4" O.D. white TSI | P-21 | 40% chrysotile | Interior closet by room 47 ceiling space | Ceilings spaces above room 44, 45, 47(visible at | 150 LF | Yes | Yes |
| Rough plaster | Previously sampled Jan-03-02 | None detected | Previously sampled (Cape Env. 1992) | 54-57,45,46B | 4,500 SF | No | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building P/N (44-047)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|------------------------------|--------------------------------|--------------------------------|-------------------------------------|---|--------------|---------|--------|
| Acoustical plaster (ceiling) | Previously sampled Jan-04-03 | 2% chrysotile | Previously sampled (Cape Env. 1992) | 54-57, 47,47A, 45,44 | 8,000 SF | yes | no |
| Stucco | Previously sampled 5744-5750 | None detected - <1% Chrysotile | Previously sampled (CTL 2008) | exterior walls and sections of ceiling | 9,000 SF | No | No |
| Drywall with joint compound | Previously sampled 5751 - 5757 | None detected | Previously sampled (CTL 2008) | 54-57, 47, 47B, 47A, 45, 44, men's restroom ceiling, all heater closets | 4,200 SF | no | no |
| Rough plaster | Previously sampled 5758-5761 | None detected | Previously sampled (CTL 2008) | 54-57,45,46B, 47,44 | 4,000 SF | No | No |
| Smooth plaster | Previously sampled 5762-5766 | None detected | Previously sampled (CTL 2008) | Storage 1, room 48, 47,47A, 44 | 2,000 SF | No | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building P/N (44-047)

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--------------|-------------------------|--------------------------|-------------------------------|--|--------------|---------|--------|
| Duct sealant | Previously sampled 5770 | None detected | Previously sampled (CTL 2008) | All heater closets and duct work throughout | 100 SF | no | No |
| Window putty | Previously sampled 5771 | None detected | Previously sampled (CTL 2008) | All exterior windows on original wood frames | 150 SF | No | No |
| Chalkboards | Assumed | Non destructive sampling | N/A | 54-57, 47, 47A, 45, 44 | 300 SF | No | No |

Note: Only (interior/exterior) walls, ceiling, ceiling spaces, roofs were reinspected.

Note: Materials, quantities, locations listed on CTL survey were consistent with what was present. The samplers supplemented the survey.

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building N

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|--|------------------------------------|---------------------------------------|-------------------|--------------|---------|--------|
| White cap sheet roof core | 0504-10 | None detected | Southwest corner | Roof | 3,500 SF | No | No |
| White cap sheet roof core | 0504-11 | None detected | Northwest corner | | | | |
| White cap sheet roof core | 0504-12 | None detected | Center | | | | |
| White parapet roofing | 0504-13 | None detected | West center | Roof | 380 SF | No | No |
| White parapet roofing | 0504-14 | None detected | East center | | | | |
| White parapet roofing | 0504-15 | None detected | North center | | | | |
| White penetration mastic | 0504-16 | None detected | West center | Roof | 13 pens | No | No |
| White penetration mastic | 0504-17 | None detected | Northwest corner | | | | |
| White penetration mastic | 0504-18 | None detected | East center | | | | |
| Acoustical plaster ceiling | Previously sampled JAN-04-01 JAN-04-02 | 2% Chrysotile | Previously sampled (Cape Env.1992) | Library | 5,625 SF | No | No |
| 1'x1' peghole row ceiling tile with mastic | Previously sampled JAN-06-01A JAN-06-01B | None detected (tile and mastic) | Previously sampled (Cape Env.1992) | Library | 1,800 SF | Yes | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building N

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|--|------------------|---------------------------------------|---------------------------------|--------------|---------|--------|
| Stucco | Previously sampled JAN-12-01 | None detected | Previously sampled (Cape Env.1992) | Exterior walls | 5,625 SF | No | No |
| Stucco | Previously sampled 5853 through 5856 | None detected | Previously sampled (CTL 2008) | | | | |
| Stucco | 0508-N2 | None detected | Exterior, south center | | | | |
| Stucco | 0508-N3 | None detected | Exterior, southwest corner | | | | |
| Joint compound | 5857 | None detected | Previously sampled (CTL 2008) | Library, east section | 3,300 SF | No | No |
| Joint compound | 5858 | None detected | Previously sampled (CTL 2008) | | | | |
| Joint compound | 5859 | None detected | Previously sampled (CTL 2008) | | | | |
| Drywall | 5860 | None detected | Previously sampled (CTL 2008) | Library, east section | 3,300 SF | No | No |
| Drywall | 0508-N4 | None detected | Library, north center | | | | |
| Drywall composite with joint compound | 5861 | None detected | Previously sampled (CTL 2008) | Library, east section | 3,300 SF | No | No |
| Brown flooring composite under carpet | 5862 | None detected | Previously sampled (CTL 2008) | Library under carpet | 3,200 SF | No | No |
| White sink insulation | 5863 | None detected | Previously sampled (CTL 2008) | Teacher's lounge, under sink | 4 SF | No | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building N

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|------------------------|------------------|--|--|--------------|---------|--------|
| Smooth plaster | JAN-01-01 JAN-01-02 | None detected | Previously sampled (Cape Env. 1992) | Behind wall panels and above book shelves on perimeter walls | 1,900 SF | No | No |
| Smooth plaster | 0508-N5 | None detected | Library, southwest corner | | | | |
| Smooth plaster | 0508-NA | None detected | Library, north center | | | | |
| Smooth plaster | 0508-NB | None detected | Library, southeast corner | | | | |
| 1'x1' random peg hole ceiling tile with mastic | 0508-N6 | None detected | Library, southwest corner | Throughout library | 5,800 SF | Yes | No |
| 1'x1' random peg hole ceiling tile with mastic | JAN-02-01 A&B | None detected | Previously sampled (Cape Env. 1992) | | | | |
| Rough plaster | JAN-03-01 | None detected | Previously sampled (Cape Env. 1992) | Library perimeter walls | 900 SF | No | No |
| Rough plaster | 0508-N19 | None detected | Library, south center | | | | |
| Rough plaster | 0508-N20 | None detected | Library, west center | | | | |
| Gypsum board with joint compound | JAN-05-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | observed above 12"x12" fissured ceiling tile in the computer hallway, and room 40A, 40B | 1,300 SF | Yes | No |
| Barrier Paper | 0508-N7 | None detected | Library, south center | Exterior (under stucco) | 5,300 SF | No | No |
| Barrier Paper | 0508-N8 | None detected | Library, west center | | | | |
| Barrier Paper | 0508-N9 | None detected | Library, southeast corner | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building N

[illegible]

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building Q

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|----------------------------|------------|------------------|-------------------------|-------------------|--------------|---------|--------|
| White cap sheet roof core | 0504-28 | None detected | Roof 1 north center | Roof | 7,200 SF | No | No |
| White cap sheet roof core | 0504-29 | None detected | Roof 1 northwest corner | | | | |
| White cap sheet roof core | 0504-30 | None detected | Roof 1 southeast corner | | | | |
| Gravel rolled on roof core | 0504-31 | None detected | Roof 2 center | Roof | 6,400 SF | No | No |
| Gravel rolled on roof core | 0504-32 | None detected | Roof 2 north center | | | | |
| Gravel rolled on roof core | 0504-33 | None detected | Roof 2 south center | | | | |
| White parapet roofing | 0504-34 | None detected | Roof 1 southwest corner | Roof | 800 SF | No | No |
| White parapet roofing | 0504-35 | None detected | Roof 1 northeast corner | | | | |
| White parapet roofing | 0504-36 | None detected | Roof 2 south center | | | | |
| White penetration mastic | 0504-37 | None detected | Roof 1 west center | Roof | 55 pens | No | No |
| White penetration mastic | 0504-38 | None detected | Roof 1 east center | | | | |
| White penetration mastic | 0504-39 | None detected | Roof 2 north center | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building Q

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|----------------------------|--------------------------------------|------------------|--|---|--------------|---------|--------|
| Rough plaster | Previously sampled JAN-03-05 | None detected | Previously sampled (Cape env. 1992) | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34A & B, principal's office, 14, 15, 15A & 15B | 11,000 SF | No | No |
| Rough plaster | Previously sampled 5820 through 5825 | None detected | Previously sampled (CTL 2008) | | | | |
| Acoustical plaster ceiling | Previously sampled JAN-04-05 | 2% Chrysotile | Previously sampled (Cape env. 1992) | Rooms 32-34, waiting room, counselor's A,B,C, hallway A, admin office, lobby room, 34A & 34B, principal's office, 14, 15 | 7,500 SF | No | No |
| Stucco | Previously sampled 5814 through 5819 | None detected | Previously sampled (CTL 2008) | Exterior walls | 6,000 SF | No | No |
| Stucco | Previously sampled JAN-12-02 | None detected | Previously sampled (Cape env. 1992) | | | | |
| Barrier paper | Q-3 | None detected | Exterior, northeast | Exterior walls (under stucco) | 8,000 SF | No | No |
| Barrier paper | Q-4 | None detected | Exterior, southwest | | | | |
| Barrier paper | Q-5 | None detected | Exterior, northwest | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building Q

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|--|--|-------------------------------------|--|--------------|---------|--------|
| 2'x4' random pinhole/ fissured ceiling tile | Previously sampled JAN-19-01 through JAN-19-03 | None detected | Previously sampled (Cape env. 1992) | Rooms 33-34, 34A, 34B, waiting room, counselor's A,B,C | 3,600 SF | Yes | No |
| 1'x1' random pinhole ceiling tile with mastic | Previously sampled JAN-20-01 A&B | None detected (tile & mastic) | Previously sampled (Cape env. 1992) | Room 32, mechanical room 2 | 1,200 SF | Yes | No |
| 1'x1' random pinhole ceiling tile with mastic | Q-6 | 2% chrysotile - tile None detected - mastic | Room 32, center | | | | |
| 1'x1' random pinhole ceiling tile with mastic | Q-7 | 2% chrysotile - tile None detected - mastic | Room 32, west | | | | |
| Joint compound | Previously sampled 5827 through 5832 | None detected | Previously sampled (CTL 2008) | Mechanical room 1, waiting room, counselor's A,B,C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's | 5,000 SF | No | No |
| Joint compound | Q-1 | None detected | Room 14, south center | | | | |
| Joint compound | Q-2 | None detected | Hallway outside room 9, center | | | | |
| Drywall | Previously sampled 5831 | None detected | Previously sampled (CTL 2008) | Mechanical room 1, waiting room, counselor's A,B,C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 5,000 SF | No | No |

MATERIAL INVENTORY

LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building Q

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---------------------------------------|-------------------------|------------------|--------------------------------------|--|--------------|---------|--------|
| Composite drywall with joint compound | Previously sampled 5832 | None detected | Previously sampled (CTL 2008) | Mechanical room 1, waiting room, counselor's A,B,C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 5,000 SF | No | No |
| Grey duct sealant | Q-8 | None detected | Room 32 closet, center | Mechanical room 1 & 2, all heater closets at duct work throughout | 200 SF | No | No |
| Grey duct sealant | Q-9 | None detected | Room 34 closet, center | | | | |
| Grey duct sealant | Previously sampled 5835 | None detected | Previously sampled (CTL 2008) | | | | |
| Blue carpet glue | N/A | Assumed | New material non-destructive testing | Rooms 32-34, waiting room, counselor A,B,C, principal's office | 3,500 SF | No | No |
| 12" fissured ceiling tile | N/A | Assumed | New material non-destructive testing | Rooms 32-34, waiting room, counselor A,B,C, principal's office | 900 SF | Yes | No |
| Transite chalkboards* | N/A | Assumed | Not sampled, material intact | Rooms 32-34, 14-15 | 100 SF | No | No |
| Window putty | Q-13 | None detected | Exterior, west center by room 9 | Exterior on original wood window frames | 300 LF | No | No |
| Window putty | Q-14 | None detected | Exterior, southwest at room 15B | | | | |
| Window putty | Q-15 | None detected | Exterior at room 15B, northwest | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building Q

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|----------------------------|------------|------------------|----------------------------|---|--------------|---------|--------|
| 2'x4' smooth ceiling panel | Q-19 | None detected | Room 14, center | Room 14, conference room, Q2-Q10, main office | 8,000 SF | Yes | No |
| 2'x4' smooth ceiling panel | Q-20 | None detected | Conference room, southwest | | | | |
| 2'x4' smooth ceiling panel | Q-21 | None detected | Main office, center | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building R

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|----------------------------------|--|------------------|-------------------------------------|--|--------------|---------|--------|
| Gravel rolled on roof core | 0504-19 | None detected | South center | Roof | 3,700 SF | No | No |
| Gravel rolled on roof core | 0504-20 | None detected | Southeast corner | | | | |
| Gravel rolled on roof core | 0504-21 | None detected | East center | | | | |
| White parapet roofing | 0504-22 | None detected | North center | Roof | 400 SF | No | No |
| White parapet roofing | 0504-23 | None detected | Northeast corner | | | | |
| White parapet roofing | 0504-24 | None detected | Southeast corner | | | | |
| White penetration mastic | 0504-25 | None detected | Southwest corner | Roof | 9 pens | No | No |
| White penetration mastic | 0504-26 | None detected | West center | | | | |
| White penetration mastic | 0504-27 | None detected | East center | | | | |
| Gypsum board with joint compound | Previously sampled JAR-03-01 through JAR-03-03 | 2% chrysotile | Previously sampled (Cape Env. 1992) | Rooms 16, 17, 18, walls throughout, under wall tile, in HVAC closets | 4,000 SF | No | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building R

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|---|------------------|--|---|--------------|---------|--------|
| 1'x1' random peg hole ceiling tile with mastic | Previously sampled JAR-04-01 A&B | None detected | Previously sampled (Cape Env. 1992) | Rooms 16, 17, 18 ceilings are nailed in, in HVAC closets, walls are glued on | 2,000 SF | Yes | No |
| 1'x1' random peg hole ceiling tile with mastic | R-1 | None detected | West HVAC closet room 18 | | | | |
| 1'x1' random peg hole ceiling tile with mastic | R-2 | None detected | West HVAC closet room 19 | | | | |
| Stucco | Previously sampled JAR-05-01 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls of building | 2,200 SF | No | No |
| Stucco | Previously sampled 5701 through 5704 | None detected | Previously sampled (CTL 2008) | | | | |
| Grey duct sealant | R-3 | None detected | Room 16 HVAC closet | Rooms 16, 17, 18 HVAC closets | 30 SF | No | No |
| Grey duct sealant | R-4 | None detected | Room 17 HVAC closet | | | | |
| Grey duct sealant | R-5 | None detected | Room 18 HVAC closet | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building R

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|------------|------------------|-----------------------------|---|--------------|---------|--------|
| Black tar paper with fiberglass insulation | R-6 | None detected | Room 16 center ceiling | Above ceiling tiles that are nailed to the ceiling rooms 16, 17, 18 | 3,000 SF | Yes | No |
| Black tar paper with fiberglass insulation | R-7 | None detected | Room 17 center ceiling | | | | |
| Black tar paper with fiberglass insulation | R-8 | None detected | Room 18 center ceiling | | | | |
| Barrier paper | R-9 | None detected | Southeast corner by room 16 | Exterior walls outside of rooms 16, 17, 18 of building R under stucco | 2,200 SF | Yes | No |
| Barrier paper | R-10 | None detected | Northwest corner | | | | |
| Barrier paper | R-11 | None detected | Northeast corner | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building S

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|--|------------------|--|--|--------------|---------|--------|
| Rough plaster | Previously sampled JAN-03-03 | None detected | Previously sampled (Cape Env. 1992) | Room 52,53 | 2,300 SF | No | No |
| Acoustical plaster ceiling | Previously sampled JAN-04-04 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Rooms, 50-53, 52 A&B | 3,600 SF | No | No |
| Stucco | Previously sampled 5866 through 5870 | None detected | Previously sampled (CTL 2008) | Exterior walls | 3,000 SF | No | No |
| Joint compound | Previously sampled 5871 through 5875 | None detected | Previously sampled (CTL 2008) | Rooms 50-53, 52A&B, women's restroom | 2,600 SF | No | No |
| Drywall | Previously sampled 5876 | None detected | Previously sampled (CTL 2008) | Rooms 50-53, 52A&B, women's restroom | 2,600 SF | No | No |
| Composite drywall with joint compound | Previously sampled 5877 | None detected | Previously sampled (CTL 2008) | Rooms 50-53, 52A&B, women's restroom | 2,600 SF | No | No |
| Rough plaster | Previously sampled 5878 through 5881 | None detected | Previously sampled (CTL 2008) | Rooms 52-56 | 2,300 SF | No | No |
| Smooth plaster | Previously sampled 5882 through 5884 | None detected | Previously sampled (CTL 2008) | Room 50B, vestibule, 52B, girls restroom and mechanical room | 800 SF | No | No |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building S

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|-------------------------------|-------------------------|------------------|-----------------------------------|--|--------------|---------|--------|
| Black sink insulation | Previously sampled 5885 | None detected | Previously sampled (CTL 2008) | Room 52 | 2 SF | No | No |
| Grey duct sealant | Previously sampled 5886 | None detected | Previously sampled (CTL 2008) | Room 52B, heater closets, mechanical room on duct work | 25 SF | No | No |
| Grey duct sealant | S-9 | None detected | Room 53, heater closet, southwest | | | | |
| Grey duct sealant | S-10 | None detected | Room 50, heater closet, center | | | | |
| Window putty | Previously sampled 5887 | None detected | Previously sampled (CTL 2008) | Room 52A, exterior window | 50 LF | No | No |
| Window putty | S-7 | None detected | Room 52A, southwest | | | | |
| Window putty | S-8 | None detected | Room 52A, northwest | | | | |
| White sink insulation | Previously sampled 5888 | None detected | Previously sampled (CTL 2008) | Room 50, 52A | 4 SF | No | No |
| 2'x4' fissured ceiling panels | Previously sampled 5889 | None detected | Previously sampled (CTL 2008) | Room 52A | 150 SF | Yes | No |
| 2'x4' fissured ceiling panels | S-11 | None detected | Room 52A, center | | | | |
| 2'x4' fissured ceiling panels | S-12 | None detected | Room 52A, southwest | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building S

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|------------|------------------|---------------------|-------------------------------|--------------|---------|--------|
| 12" fissured ceiling tile with brown glue | S-1 | None detected | Room 53, northeast | Rooms 50-53 | 4,500 SF | Yes | No |
| 12" fissured ceiling tile with brown glue | S-2 | None detected | Room 52, center | | | | |
| 12" fissured ceiling tile with brown glue | S-3 | None detected | Room 50, southwest | | | | |
| Barrier paper | S-4 | None detected | Exterior, northeast | Exterior walls (under stucco) | 3,000 SF | No | No |
| Barrier paper | S-5 | None detected | Exterior, southwest | | | | |
| Barrier paper | S-6 | None detected | Exterior, northwest | | | | |
| White rolled on roof core with brown base paper | S-13 | None detected | Roof, southwest | Roof | 5,000 SF | No | No |
| White rolled on roof core with brown base paper | S-14 | None detected | Roof, center | | | | |
| White rolled on roof core with brown base paper | S-15 | None detected | Roof, northeast | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building S

[illegible]

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building T

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|--|------------------|--|--|--------------|---------|--------|
| Gypsum board with joint compound | Previously sampled JAN-05-02 JAN-05-03 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Rooms T04, Mech space above T04 RR, T03, Janitors office, community liaison, T102, T103, T01 (walls, sections of ceilings) | 3,000 SF | No | No |
| Joint Compound (Confirmation samples) | T-1 | 2%Chrysotile | Rm T-4 Mech space above Restroom- South east corner | | | | |
| Drywall (Confirmation sample) | T-2 | None detected | Room T-4 Mech space above Restroom-south west corner | | | | |
| Composite-drywall with joint compound (Confirmation sample) | T-3 | 0.38% chrysotile | Room t-4 Mech space above Restroom-Center | | | | |
| Stucco | Previously sampled 5772 through 5776 | None detected | Previously sample (CTL 2008) | Exterior walls | 7,000 SF | No | No |
| Stucco | T-4 | None detected | Exterior-South East | | | | |
| Stucco | T-5 | None detected | Exterior-North east | | | | |
| Barrier Paper | T-6 | None detected | Exterior- North east | Exterior walls under stucco | 7,000 SF | No | No |
| Barrier Paper | T-6 | None detected | Exterior- South west | | | | |
| Barrier Paper | T-8 | None detected | Exterior- South Center | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building T

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|--------------------------------------|-------------------------|----------------------------------|---|---------------------|----------------|---------------|
| Joint compound | Previously sampled 5777 through 5783 | None detected | Previously sample (CTL 2008) | Rm 21, 23, 30, 31, 22A, 30A, 30B, 31A, heater closets and patch work | 6,000 SF | No | No |
| Drywall | Previously sampled 5784 | None detected | Previously sample (CTL 2008) | Rm 21, 23, 30, 31, 22A, 30A, 30B, 31A, heater closets and patch work | 6,000 SF | No | No |
| Drywall composite with joint compound | Previously sampled 5785 | None detected | Previously sample (CTL 2008) | Rm 21, 23, 30, 31, 22A, 30A, 30B, 31A, heater closets and patch work | 6,000 SF | No | No |
| Sand plaster | Previously sampled 5786 through 5790 | None detected | Previously sample (CTL 2008) | Room 23, storage 1&2, 21, 9, nurse's office, attendance office, community liaison, room 20 | 6,000 SF | No | No |
| Sand plaster | T-9 | None detected | Room 23- south west | | | | |
| Sand plaster | T-10 | None detected | Room T4- north east | | | | |
| 12"x12" random pinhole ceiling tile with glue | Previously sampled 5791 | None detected | Previously sample (CTL 2008) | Community liaison walls and ceiling, above drop ceilings in Janitors office, T03, T04, T102, T103 | 1,200 SF | No | No |
| 12"x12" random pinhole ceiling tile with glue | T-11 | None detected | T102- Center above drop ceiling | | | | |
| 12"x12" random pinhole ceiling tile with glue | T-12 | None detected | T104 - Center above drop ceiling | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building T

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|------------------------------|------------------------------|------------------|-------------------------------------|---|--------------|---------|--------|
| 2'x4' fissured ceiling panel | Previously sampled 5792 | None detected | Previously sample (CTL 2008) | Rooms 30, 31, 9, nurse's office, attendance office, community liaison, T04, T01 | 4,000 SF | Yes | No |
| 2'x4' fissured ceiling panel | T-13 | None detected | Room 30 - Center | | | | |
| 2'x4' fissured ceiling panel | T-14 | None detected | Room T04- center | | | | |
| Gray duct sealant | Previously sampled 5798 | None detected | Previously sample (CTL 2008) | All heater closets, mech room, ceiling spaces through out | 100 SF | No | No |
| Gray duct sealant | T-15 | None detected | Room 31A Center | | | | |
| Gray duct sealant | T-16 | None detected | Room 21 heater closet center | | | | |
| Acoustical plaster ceiling | Previously sampled JAN-04-04 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Rooms 20, 21, 23, 22A, 30A, 30B, 19, Above drop ceiling in rooms 30, 31, T04, T03, T04 Rest Room, janitors office, community liaison, T102, T104 NOTE: the material is damaged at all areas above the drop ceilings. The debris is scattered through the ceiling space sitting on top of ceiling panels | 8,000 SF | Yes | Yes |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building T

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|-------------------------------|-------------------|-------------------------|-----------------------------|--------------------------------|---------------------|----------------|---------------|
| Chalkboards | N/A | Assumed | Not sampled to avoid damage | Rooms 21, 23, 30, 31, T04, T01 | 400 SF | No | No |
| 12" fissured ceiling | T-17 | None detected | Room 21 - Center | Room 21, and room T101 | 2,000 SF | Yes | No |
| 12" fissured ceiling | T-18 | None detected | Room 21 - North east | | | | |
| 12" fissured ceiling | T-19 | None detected | Room T101- wall east | | | | |
| Silver rolled on roofing core | 0503-10 | None detected | Roof 1 north center | Roof | 5,500 SF | No | No |
| Silver rolled on roofing core | 0503-11 | None detected | Roof 1 center | | | | |
| Silver rolled on roofing core | 0503-12 | None detected | Roof 2 south center | | | | |
| Silver parapet roofing | 0503-13 | None detected | Roof 1 north center | Roof | 5,500 SF | No | No |
| Silver parapet roofing | 0503-14 | None detected | Roof 1 west center | | | | |
| Silver parapet roofing | 0503-15 | None detected | Roof 2 east center | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building T

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---------------------------|------------|------------------|-----------------------------|---|--------------|---------|--------|
| Silver penetration mastic | 0503-16 | None detected | Roof 1 south center | Roof on penetrations | 9 pens | No | No |
| Silver penetration mastic | 0503-17 | None detected | Roof 1 east center | | | | |
| Silver penetration mastic | 0503-18 | None detected | Roof 2 east center | | | | |
| White penetration mastic | 0503-19 | None detected | Roof 1 northwest corner | On penetrations, patch work | 4 pens | No | No |
| White penetration mastic | 0503-20 | None detected | Roof 1 west center | | | | |
| White penetration mastic | 0503-21 | None detected | Roof 1 center | | | | |
| Button board | T-20 | None detected | Room 21 south east | Interior throughout under plaster wall and ceilings | 8,000 SF | No | No |
| Button board | T-21 | None detected | T04 ceiling center | | | | |
| Button board | T-22 | None detected | Room 31 South east | | | | |
| Acoustical wall plaster | T-23 | 4% Chrysotile | Room T101- east wall center | Room T101 under wall tile | 800 SF | Yes | No |
| Acoustical wall plaster | T-24 | 4% Chrysotile | Room T101- North east | | | | |
| Acoustical wall plaster | T-25 | 4% Chrysotile | Room T101- North center | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building T

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|-------------------|-------------------------|--|--|---------------------|----------------|---------------|
| Black barrier paper | T-26 | None detected | Room- T101 east center | Room T101 under wall plaster, Room T04 mech space above rest room | 600 SF | No | No |
| Black barrier paper | T-27 | None detected | Room T101 north east | | | | |
| Black barrier paper | T-28 | None detected | Room T101 north center | | | | |
| 2'x4' smooth ceiling panel | T-29 | None detected | Room T101 south west | T101 | 2,000 SF | Yes | No |
| 2'x4' smooth ceiling panel | T-30 | None detected | Room T101 north east | | | | |
| 2'x4' smooth ceiling panel | T-31 | None detected | Room T101 South east | | | | |
| Light weight concrete | T-32 | 0.67% chrysotile | Room T04 Restroom mech space- Center | Room T04 mech space above restroom | 50 SF | Yes | No |
| Light weight concrete | T-33 | 0.68% chrysotile | Room T04 Restroom mech space- south east | | | | |
| Light weight concrete | T-34 | 0.74% chrysotile | Room T04 restroom mech space - center | | | | |
| Window putty | T-35 | None detected | Room 22A north center | Exterior room 21A, 30, 31, 30B, T04, T03, Janitor office, community liaison, | 1,800 LF | No | No |
| Window putty | T-36 | None detected | Room 31 North center | | | | |
| Window putty | T-37 | None detected | Room T101 south east | | | | |
| Note: Silicon window/door caulking (not suspect) | | | | | | | |
| Note: Floors and cove base were not in scope of work | | | | | | | |
| Note: Corrugated sheet metal ceiling present throughout (not suspect) | | | | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building U

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|------------|------------------|------------------|----------------------|--------------|---------|--------|
| White cap sheet roof core | 0503-22 | None detected | Southwest corner | Roof | 5,300 SF | No | No |
| White cap sheet roof core | 0503-23 | None detected | South center | | | | |
| White cap sheet roof core | 0503-24 | None detected | North center | | | | |
| White parapet roofing | 0503-25 | None detected | East center | Roof | 500 SF | No | No |
| White parapet roofing | 0503-26 | None detected | Northeast corner | | | | |
| White parapet roofing | 0503-27 | None detected | Southwest corner | | | | |
| White penetration mastic | 0503-28 | None detected | South center | Roof on penetrations | 20 pens | No | No |
| White penetration mastic | 0503-29 | None detected | West center | | | | |
| White penetration mastic | 0503-30 | None detected | Northwest corner | | | | |
| White cap sheet rolled on roofing core | 0508-01 | None detected | Center | Roof | 1,200 SF | No | No |
| White cap sheet rolled on roofing core | 0508-02 | None detected | North center | | | | |
| White cap sheet rolled on roofing core | 0508-03 | None detected | Southwest corner | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building U

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|-----------------------------|--------------------------------------|------------------|-------------------------------|---|--------------|---------|--------|
| White penetration mastic | 0508-04 | None detected | Northwest corner | Roof | 8 pens | No | No |
| White penetration mastic | 0508-05 | None detected | West center | | | | |
| White penetration mastic | 0508-06 | None detected | East center | | | | |
| Stucco | Previously sampled 5836 through 5840 | None detected | Previously sampled (CTL 2008) | Exterior walls | 3,000 SF | No | No |
| Barrier paper | U-1 | None detected | Exterior - northeast | Exterior walls under stucco | 3,000 SF | No | No |
| Barrier paper | U-2 | None detected | Exterior - southwest | | | | |
| Barrier paper | U-3 | None detected | Exterior - southeast | | | | |
| Sand plaster | Previously sampled 5841 through 5845 | None detected | Previously sampled (CTL 2008) | Room 10-12 (on wire latch) | 5,500 SF | No | No |
| Sand plaster | U-4 | None detected | Room 10 - north center | | | | |
| Sand plaster | U-5 | None detected | Room 12 - southwest | | | | |
| Drywall with joint compound | Previously sampled 5846 through 5850 | None detected | Previously sampled (CTL 2008) | Rooms 10-12, community liaison, all restrooms, nurses room, attendance office | 3,900 SF | No | No |

MATERIAL INVENTORY

LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building U

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|------------------------------|------------------------------|-------------------------|-------------------------------------|--|---------------------|----------------|---------------|
| 2'x4' fissured ceiling panel | Previously sampled 5852 | None detected | Previously sampled (CTL 2008) | Rooms 10, 11, 12 | 300 SF | Yes | No |
| 2'x4' fissured ceiling panel | U-6 | None detected | Room 10 - northeast | | | | |
| 2'x4' fissured ceiling panel | U-7 | None detected | Room 11 - northeast | | | | |
| Acoustical plaster ceiling | Previously sampled JAN-04-04 | 2% chrysotile | Previously sampled (Cape Env. 1992) | Room 10, 11, 12 | 4,000 SF | Yes | No |
| Chalkboards | N/A | Assumed | N/A | Room 10, 11, 12, 13 | 400 SF | No | No |
| Gray duct sealant | U-8 | None detected | Room 10 - heater closet center | Room 10-12 heater closets and living spaces, all ducting throughout | 200 SF | No | No |
| Gray duct sealant | U-9 | None detected | Room 11 heater closet | | | | |
| Gray duct sealant | U-10 | None detected | Room 12 heater closet | | | | |
| Roofing debris | U-11 | None detected | Room 10 east center | Room 10-12 all ceiling spaces also above new section (nurses offices, community liaison) | 4,500 SF | No | Yes |
| Roofing debris | U-12 | None detected | Room 11 east center | | | | |
| Roofing debris | U-13 | None detected | Nurses office | | | | |
| Joint compound | U-14 | None detected | Nurses office north center | Rooms 10-12, community liaison, all restrooms, nurses station, attendance office | 3,900 SF | No | No |
| Joint compound | U-15 | None detected | Attendance office - southwest | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building U

[illegible]

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building V

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|------------------------------|-------------------------|------------------|--------------------------------|------------------------------|--------------|---------|--------|
| White cap sheet roofing core | 0503-01 | None detected | North center | Roof | 5,400 SF | No | No |
| White cap sheet roofing core | 0503-02 | None detected | Northwest corner | | | | |
| White cap sheet roofing core | 0503-03 | None detected | Center | | | | |
| White parapet roofing | 0503-04 | None detected | South center | Roof | 5,400 SF | No | No |
| White parapet roofing | 0503-05 | None detected | Southwest corner | | | | |
| White parapet roofing | 0503-06 | None detected | Northeast corner | | | | |
| White mastic | 0503-07 | None detected | East center | Roof on penetrations | 25 pens | No | No |
| White mastic | 0503-08 | None detected | West center | | | | |
| White mastic | 0503-09 | None detected | North center | | | | |
| Duct sealant | Previously sampled 5813 | None detected | Previously sampled (CTL 2008) | Room 22, 24 heater closets | 15 SF | No | No |
| Duct sealant | V-1 | None detected | Room 24- heater closet center | | | | |
| Duct sealant | V-2 | None detected | Room 22 - heater closet center | | | | |
| Barrier paper | V-3 | None detected | Exterior - northeast | Exterior wall (under stucco) | 2,000 SF | No | No |
| Barrier paper | V-4 | None detected | Exterior - southwest | | | | |
| Barrier paper | V-5 | None detected | Exterior - northwest | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building V

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|--------------------------------------|------------------|-------------------------------------|---|--------------|---------|--------|
| 12"x12" fissured ceiling tile with glue | V-6 | None detected | Room 22 - center | Room 22 | 1,500 SF | YES | No |
| 12"x12" fissured ceiling tile with glue | V-7 | None detected | Room 22 - northeast | | | | |
| 12"x12" fissured ceiling tile with glue | V-8 | None detected | Room 22 - southwest | | | | |
| Stucco | Previously sampled JAN-12-03 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 2,000 SF | No | No |
| Stucco | Previously sampled 5799 through 5802 | None detected | Previously sampled (CTL 2008) | Exterior walls | 2,000 SF | No | No |
| Sand plaster | Previously sampled 5803 through 5807 | None detected | Previously sampled (CTL 2008) | Room 22, 24, storage room, restroom | 2,200 SF | No | No |
| Joint compound | Previously sampled 5808 through 5810 | None detected | Previously sampled (CTL 2008) | Room 22, 24, storage room | 300 SF | No | No |
| Drywall | Previously sampled 5811 | None detected | Previously sampled (CTL 2008) | Room 22, 24, storage room | 300 SF | No | No |
| Composite drywall with joint compound | Previously sampled 5812 | None detected | Previously sampled (CTL 2008) | Room 22, 24, heater closet on HVAC unit | 5 SF | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Room 22, 24 | 40 SF | No | No |
| Acoustical plaster (ceiling) | Previously sampled JAN-04-04 | 2% chrysotile | Previously sampled (Cape Env. 1992) | Room 22, 24 | 1,800 SF | No | No |

Note: Floors, cove bases were on re-inspected.

Note: Materials, quantities, location on CTL sampling sheets remain the same. These samples supplemented what was missed.

* The material shall be sampled prior to disturbance during construction.

Appendix B

Laboratory Analytical Report: Asbestos



1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: David Schack

Report Number 1831131

Project Number SMSD-18-7674
Project Name JAMS HVAC/Fire Alarm Project
Location
PO Number
WO Number

Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By F.R.
Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--------------------------------------|------------|--|-----|
| 1831131-001 B-1 | Bldg B Barrier paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-002 B-2 | Bldg B Barrier paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-003 B-3 | Bldg B Barrier paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-004 B-4 | Bldg B Window putty, White/ Beige, Non- homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-005 B-5 | Bldg B Window putty, White/ Beige, Non- homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-006 B-6 | Bldg B Wall tile mastic, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: David Schack

Report Number 1831131

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/04/2018

Date Analyzed 05/08/2018

Date Reported 05/08/2018

Date Sampled 05/03/2018

Sampled By F.R.

Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------|--|-----|
| 1831131-007 B-7 | Bldg B Wall tile mastic, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-008 B-8 | Bldg B Wall tile mastic, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-009 B-9 | Bldg B Button board, White/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Gypsum/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-010 B-10 | Bldg B Button board, White/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Gypsum/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-011 B-5A | Bldg B Button board, White/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Gypsum/Filler | 30% 70% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-012 B-11 | Bldg B Residual ceiling plaster, White/ Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Gypsum/Binder/Filler | 20% 30% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831131

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/04/2018

Date Analyzed 05/08/2018

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Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|--|---|-------------------------|---------------------------------|
| 1831131-013 B-12 | Bldg B Residual ceiling plaster, White/ Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Gypsum/Binder/Filler | 20% 30% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-014 B-13 | Bldg B Residual ceiling plaster, White/ Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Gypsum/Binder/Filler | 20% 30% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-015 B-14 | Bldg B Cement wall panel, White/Gray, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 20% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-016 B-15 | Bldg B Cement wall panel, White/Gray, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 20% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-017 B16 | Bldg B Roofing Debris, Brown/Black/White, Non-homogeneous Note: Qualitative Analysis | LAYER 1 100% | Wood Fiber Fibrous Glass Gypsum Bituminous Material Quartz | Present Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|-------------------------------|--|-----|
| 1831131-018 B-17 | Bldg B Roofing Debris, Black, Non-homogeneous Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Quartz Bituminous Material | Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-019 B-18 | Bldg B Roofing Debris, Brown/Black/, Non-homogeneous Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Wood Fiber Bituminous Material | Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-020 B-19A | Bldg B Gravel roof core- Capsheet, Gray/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Quartz/Gravel Bituminous Matrix/Filler | 5% 35% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-021 B-19B | Bldg B Gravel roof core- layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-022 B-19C | Bldg B Gravel roof core- Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-023 B-20A | Bldg B Gravel roof core- Capsheet, Gray/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Quartz/Gravel Bituminous Matrix/Filler | 5% 45% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|-----------------------|--|-------------------|--|-----|
| 1831131-024 B-20B | Bldg B Gravel roof core- Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler | 15% <1 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-025 B-20C | Bldg B Gravel roof core- Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-026 B-21A | Bldg B Gravel roof core- Capsheet, Note: No capsheet present | LAYER 1 100% | | | | |
| 1831131-027 B-21B | Bldg B Gravel roof core- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-028 B-21C | Bldg B Gravel roof core- Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-029 B-22 | Bldg B Roof mastic, Silver/Black, Non- homogeneous | LAYER 1 100% | Bituminous Matrix Metallic Paint | 88% 10% | Chrysotile | 2% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 98.0% | Total %Asbestos: 2.0% | |
| 1831131-030 B-23 | Bldg B Roof mastic, Silver/Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Metallic Paint | 10% 80% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|-------------------|--|-----|
| 1831131-031 B-24 | Bldg B Roof mastic, Silver/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Metallic Paint | 5% 90% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-032 B-25 | Bldg B Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Binder/Filler | 5% 45% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-033 B-26 | Bldg B Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Binder/Filler | 5% 45% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-034 B-27 | Bldg B Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-035 H-1 | Bldg H 2'x4' fissured ceiling panel, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Perlite Binder/Filler | 60% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-036 H-2 | Bldg H 2'x4' fissured ceiling panel, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Perlite Binder/Filler | 60% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|--|-----------------------|---|-------------------------------|-------------------------|-----------------------------|
| 1831131-037 H-3 | Bldg H Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-038 H-4 | Bldg H Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-039 H-5 | Bldg H Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-040 H-6 | Bldg H Roofing debris, Black/Gray, Non-homogeneous | LAYER 1 100% | Quartz Bituminous Material Metal Nail | Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-041 H-7 | Bldg H Roofing debris, Black/Gray, Non-homogeneous | LAYER 1 100% | Quartz Bituminous Material | Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-042 H-8 | Bldg H Roofing debris, Black/Brown, Non-homogeneous Note: Asbestos present in brown adhesive-like material | LAYER 1 100% | Quartz Adhesive Binders Bituminous Material | Present Present Present | Chrysotile | Present |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | Present |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------|---|-----|
| 1831131-043 H-9A | Bldg H Rolled roof core- Capsheet, Silver/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler Metallic Paint | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-044 H-9B | Bldg H Rolled roof core- Comp., Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler | 15% 15% 70% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-045 H-9C | Bldg H Rolled roof core- Felt (2 layers), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-046 H-9D | Bldg H Rolled roof core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-047 H-10A | Bldg H Rolled roof core- Capsheet, Silver/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler Metallic Paint | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-048 H-10B | Bldg H Rolled roof core- Comp., Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler | 15% 25% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|--------------------------|-------------------------|---------------------------------|
| 1831131-049 H-10C | Bldg H Rolled roof core- Felt (2 layers), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-050 H-10D | Bldg H Rolled roof core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-051 H-11A | Bldg H Rolled roof core- Capsheet, Silver/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Quartz/Gravel Metallic Paint Bituminous Matrix/Filler | 10% 50% 10% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-052 H-11B | Bldg H Rolled roof core- Comp, Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler | 15% 25% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-053 H-11C | Bldg H Rolled roof core- Felt (multilayer), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-054 H-11D | Bldg H Rolled roof core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|--|-----------------------|--|------------------------|-------------------------|---------------------------------|
| 1831131-055 H-12 | Bldg H Painted roof mastic, Silver/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Metallic Paint Bituminous Matrix/Filler | <1% 5% 5% 86% | Chrysotile | 4% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 96.0% | Total %Asbestos: | 4.0% |
| 1831131-056 H-13 | Bldg H Painted roof mastic, Silver/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Metallic Paint Bituminous Matrix/Filler | 2% 15% 83% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-057 H-14 | Bldg H Painted roof mastic, Silver/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Metallic Paint Bituminous Matrix/Filler | 10% 10% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-058 H-15 | Bldg H Roof mastic, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-059 H-16 | Bldg H Roof mastic, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-060 H-17 | Bldg H Roof mastic, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------------|--|-----|
| 1831131-061 H-18 | Bldg H Roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-062 H-19 | Bldg H Roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-063 H-20 | Bldg H Roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-064 S-1A | Bldg S 12" fissured ceiling tile, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 35% 25% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-065 S-1B | Bldg S Adhesive, Yellow, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-066 S-2A | Bldg S 12" fissured ceiling tile, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 35% 25% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831131

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/04/2018

Date Analyzed 05/08/2018

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Sampled By F.R.

Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------------|-------------------------|-----------------------------|
| 1831131-067 S-2B | Bldg S Adhesive, Yellow, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-068 S-3A | Bldg S 12" fissured ceiling tile, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 35% 25% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-069 S-3B | Bldg S Adhesive, Yellow, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-070 S-4 | Bldg S Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-071 S-5 | Bldg S Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-072 S-6 | Bldg S Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------------|--|-----|
| 1831131-073 S-7 | Bldg S Window putty, White/ Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-074 S-8 | Bldg S Window putty, White/ Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-075 S-9 | Bldg S Duct sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-076 S-10 | Bldg S Duct sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-077 S-11 | Bldg S 2'x4' fissured ceiling panel, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Perlite Binder/Filler | 60% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-078 S-12 | Bldg S 2'x4' fissured ceiling panel, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Perlite Binder/Filler | 60% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|------------|---|-----|
| 1831131-079 S-13A | Bldg S Rolled on roof core- Capsheet, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-080 S-13B | Bldg S Rolled on roof core- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 25% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-081 S-13C | Bldg S Rolled on roof core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-082 S-14A | Bldg S Rolled on roof core- Capsheet, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-083 S-14B | Bldg S Rolled on roof core- Felt, Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 25% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-084 S-14C | Bldg S Rolled on roof core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-085 S-15A | Bldg S Rolled on roof core- Capsheet, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|------------|--|-----|
| 1831131-086 S-15B | Bldg S Rolled on roof core- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 30% 70% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-087 S-15C | Bldg S Rolled on roof core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-088 S-16A | Bldg S Rolled on roof parapet wall, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-089 S-16B | Bldg S Mastic/Adhesive, Black/White, Non- homogeneous | LAYER 1 100% | Bituminous Matrix Organic Binders/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-090 S-17A | Bldg S Rolled on roof parapet wall, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-091 S-17B | Bldg S Mastic/Adhesive, Black/White, Non- homogeneous | LAYER 1 100% | Bituminous Matrix Organic Binders/Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------------------|--|-----|
| 1831131-092 S-18A | Bldg S Rolled on roof parapet wall, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-093 S-18B | Bldg S Mastic/Adhesive, Black/White, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Organic Binders/Filler | 5% 40% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-094 S-19 | Bldg S Penetration mastic, White/Gray, Non- homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-095 S-20 | Bldg S Penetration mastic, White, Homogeneous | LAYER 1 100% | Wollastonite Organic Binders/Filler | 2% 98% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-096 S-21 | Bldg S Penetration mastic, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-097 S-22 | Bldg S Roofing debris, Black/ Brown, Non- homogeneous Note: Qualitative Analysis | LAYER 1 100% | Wood Fiber Bituminous Material Other Non-Fibrous Material | Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|------------------------------|---|--|-------------------------|-----------------------------|
| 1831131-098 S-23 | Bldg S Roofing debris, Silver/ Black, Non-homogeneous Note: Qualitative Analysis | LAYER 1 100% | Wood Fiber Metallic Paint Bituminous Material Quartz | Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-099 S-24 | Bldg S Roofing debris, Silver/Black, Non-homogeneous Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Metallic Paint Bituminous Material | Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-100 P-01 | Bldg P/N (44-47) 2'x4' Fissured C.P., White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 55% 5% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-101 P-02 | Bldg P/N (44-47) 2'x4' Fissured C.P., White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 55% 5% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-102 P-03A | Bldg P/N (44-47) 1'x1' Peghole C.T., Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-103 P-03B | Bldg P/N (44-47) Glue, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|----------------------------|--------|---|-----|
| 1831131-104 P-04A | Bldg P/N (44-47) 1'x1' Peghole C.T., Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-105 P-04B | Bldg P/N (44-47) Glue, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-106 P-05 | Bldg P/N (44-47) Duct sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-107 P-06 | Bldg P/N (44-47) Duct sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-108 P-07 | Bldg P/N (44-47) Window putty, White, Non- homogeneous | LAYER 1 100% | Binder/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-109 P-08 | Bldg P/N (44-47) Window putty, White, Non- homogeneous | LAYER 1 100% | Binder/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|-------------------|--|-----|
| 1831131-110 P-09A | Bldg P/N (44-47) 12"x12" fissured C.T., Beige, Homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite | 45% 20% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-111 P-09B | Bldg P/N (44-47) Glue, Yellow, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-112 P-10A | Bldg P/N (44-47) 12"x12" fissured C.T., Beige, Homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite | 45% 20% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-113 P-10B | Bldg P/N (44-47) Glue, Yellow, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-114 P-11A | Bldg P/N (44-47) 12"x12" fissured C.T., Beige, Homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite | 45% 20% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-115 P-11B | Bldg P/N (44-47) Glue, Yellow, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------|-------------------------|---------------------------------|
| 1831131-116 P-12A | Bldg P/N (44-47) Rolled on roof core-Felt/Tar (~6 layers), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-117 P-12B | Bldg P/N (44-47) Rolled on roof core-Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-118 P-13A | Bldg P/N (44-47) Rolled on roof core-Felt/Tar (~6 layers), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-119 P-13B | Bldg P/N (44-47) Rolled on roof core-Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-120 P-14A | Bldg P/N (44-47) Rolled on roof core-Felt/Tar (~6 layers), Black/White, Non- homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-121 P-14B | Bldg P/N (44-47) Rolled on roof core-Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-122 P-15A | Bldg P/N (44-47) Rolled Roof Core- Parapet Wall, White/Gray, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831131

Project Number SMSD-18-7674
Project Name JAMS HVAC/Fire Alarm Project
Location
PO Number
WO Number

Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By F.R.
Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------|------------------|-------------------------|
| 1831131-123 P-15B | Bldg P/N (44-47) Rolled Roof Core- Tar, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 2% 98% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-124 P-16A | Bldg P/N (44-47) Rolled Roof Core- Parapet Wall, White/Gray, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-125 P-16B | Bldg P/N (44-47) Rolled Roof Core- Tar, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 5% 95% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-126 P-17A | Bldg P/N (44-47) Rolled Roof Core- Parapet Wall, White/Gray, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-127 P-17B | Bldg P/N (44-47) Rolled Roof Core- Tar, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 2% 98% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-128 P-18 | Bldg P/N (44-47) Painted roof mastic, White/Beige, Non-homogeneous | LAYER 1 100% | Wollastonite Organic Binders/Filler | <1% 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-129 P-19 | Bldg P/N (44-47) Painted roof mastic, White/Beige, Non-homogeneous | LAYER 1 100% | Wollastonite Organic Binders/Filler | <1% 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|--|-----------------------|---|-------------------------------|--|-----|
| 1831131-130 P-20 | Bldg P/N (44-47) Painted roof mastic, White/Beige, Non-homogeneous | LAYER 1 100% | Wollastonite Organic Binders/Filler | <1% 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-131 P-21 | Bldg P/N (44-47) 4" O.D. T.S.I., White, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 10% 50% | Chrysotile | 40% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 60.0% | Total %Asbestos: 40.0% | |
| 1831131-132 T-1 | Bldg T Joint Compound, Beige, Homogeneous | LAYER 1 100% | Mica Calcium Carbonate Binder/Filler | 20% 65% 13% | Chrysotile | 2% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 98.0% | Total %Asbestos: 2.0% | |
| 1831131-133 T-2 | Bldg T Drywall, White/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 10% <1 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-134 T-3 | Bldg T DW/JC Composite, White/ Brown/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Mica Calcium Carbonate Gypsum/Binder/Filler | 10% <1 5% 25% 60% | Chrysotile | <1% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: <1% | |
| 1831131-135 T-4 | Bldg T Stucco, White/Yellow/Gray, Non- homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 50% 30% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|--|-------------------|-------------------------|-----------------------------|
| 1831131-136 T-5 | Bldg T Stucco, White/Yellow/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 50% 30% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-137 T-6 | Bldg T Barrier Paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-138 T-7 | Bldg T Barrier Paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-139 T-8 | Bldg T Barrier Paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-140 T-9 | Bldg T Sand Plaster, Beige/Tan, Non-homogeneous | LAYER 1 100% | Quartz Gypsum/Binder/Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-141 T-10 | Bldg T Sand Plaster, Gray/Beige/Tan, Non-homogeneous | LAYER 1 100% | Quartz Gypsum/Binder/Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------------|--|-----|
| 1831131-142 T-11A | Bldg T 12"x12" random pinhole CT, White/ Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-143 T-11B | Bldg T Glue, Dk. Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-144 T-12A | Bldg T 12"x12" random pinhole CT, White/ Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-145 T-12B | Bldg T Glue, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-146 T-13 | Bldg T 2'x4' fissured CT, Beige/ White, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Perlite Binder/Filler | 60% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-147 T-14 | Bldg T 2'x4' fissured CT, Beige/ White, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Perlite Binder/Filler | 60% 35% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|-------------------|-------------------------|-----------------------------|
| 1831131-148 T-15 | Bldg T Duct sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-149 T-16 | Bldg T Duct sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Organic Binders/Filler | <1% 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-150 T-17A | Bldg T 12in fissured wall/ceiling tile, Beige, Homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite | 45% 25% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-151 T-17B | Bldg T Glue, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-152 T-18A | Bldg T 12in fissured wall/ceiling tile, Beige, Homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite | 45% 25% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-153 T-18B | Bldg T Glue, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 173

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|-----------------------|--|-------------------|-------------------------|---------------------------------|
| 1831131-154 T-19A | Bldg T 12in fissured wall/ceiling tile, Beige, Homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite | 45% 25% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-155 T-19B | Bldg T Glue, Dk. Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-156 T-20 | Bldg T Button Board, White/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Gypsum/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-157 T-21 | Bldg T Button Board, Lt. Pink/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Gypsum/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-158 T-22 | Bldg T Button Board, Lt. Pink/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Gypsum/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-159 T-23 | Bldg T Acoustical wall plaster, White/Yellow, Non-homogeneous | LAYER 1 100% | Perlite Binder/Filler | 50% 46% | Chrysotile | 4% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 96.0% | Total %Asbestos: | 4.0% |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|-----------------------|---|------------------|-------------------------|---------------------------------|
| 1831131-160 T-24 | Bldg T Acoustical wall plaster, White/Yellow, Non-homogeneous | LAYER 1 100% | Perlite Binder/Filler | 50% 46% | Chrysotile | 4% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 96.0% | Total %Asbestos: | 4.0% |
| 1831131-161 T-25 | Bldg T Acoustical wall plaster, White/Yellow, Non-homogeneous | LAYER 1 100% | Perlite Binder/Filler | 50% 46% | Chrysotile | 4% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 96.0% | Total %Asbestos: | 4.0% |
| 1831131-162 T-26 | Bldg T Barrier paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Synthetic Fiber Bituminous Matrix | 45% 5% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-163 T-27 | Bldg T Barrier paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Synthetic Fiber Bituminous Matrix | 45% 5% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-164 T-28 | Bldg T Barrier paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Synthetic Fiber Bituminous Matrix | 45% 5% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-165 T-29 | Bldg T 2'x4' smooth ceiling panel, White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|-----------------------|------------------------------------|------------|-------------------------|---------------------------------|
| 1831131-166 T-30 | Bldg T 2'x4' smooth ceiling panel, White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-167 T-31 | Bldg T 2'x4' smooth ceiling panel, White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831131-168 T-32 | Bldg T Lightweight concrete, Beige/Yellow, Homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | Chrysotile | <1% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | <1% |
| 1831131-169 T-33 | Bldg T Lightweight concrete, Beige/Yellow, Homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | Chrysotile | <1% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | <1% |
| 1831131-170 T-34 | Bldg T Lightweight concrete, Beige/Yellow, Homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | Chrysotile | <1% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | <1% |
| 1831131-171 T-35 | Bldg T Window putty, Green/Tan, Non- homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|------------------------------------|------------|---------------------------------------|-----|
| 1831131-172 T-36 | Bldg T Window putty, Green/Tan, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831131-173 T-37 | Bldg T Window putty, Green/Tan, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.

Analyst - Cristina Tabatt

Approved Signatory Cristina E. Tabatt



CHAIN OF CUSTODY



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(Lab) Order No. 1831131

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|---------------------------------|---|--|---|
| Company | Alta Environmental | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input type="checkbox"/> | UPS <input type="checkbox"/> | Email <input checked="" type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input checked="" type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | David Schack | 3 Day <input type="checkbox"/> | Drop Off <input checked="" type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | 310/ 951-9482 | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: | | |
| Email | david.schack@altaenviron.com | | | |
| | therese.rizarri@altaenviron.com | | | |

| PROJECT INFORMATION | |
|--|------------------|
| Project Name: JAMS HVAC/Fire Alarm Project | PO Number: |
| Project Number: SMSD-18-7674 | Work Order No.: |
| Location: | Sampled By: F.R. |

| PLM | PCM | MOLD | LEAD (Pb) |
|--|--------------------------------------|--------------------------------------|--|
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input type="checkbox"/> STLC <input type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> |
| | | | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|--|----------|-----------------|-------------------------|------------------|---------------|
| B1 | Barrier Paper | Bldg B | | | | |
| B2 | | | | | | |
| B3 | | | | | | |
| B4 | Window Potties | | | | | |
| B5 | | | | | | |
| B6 | Bottom - Brown wall Board tile Mastic | | | | | |
| B7 | | | | | | |
| B8 | | | | | | |
| B9 | Bottom Board | | | | | |
| B10 | | | | | | |

| | |
|------------------------------|--------------------------|
| Relinquished By: [Signature] | Received By: [Signature] |
| Date/Time: 5-4-18 | Date/Time: 5/4/18 1050 |

CHAIN OF CUSTODY

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| | |
|------------------------|------------------------------|
| Company: | Alta Environmental |
| Project Number: | JAMS HVAC/Fire Alarm Project |
| Project Name: | MSD-18-7674 |

Analysis:

TAT:

| | |
|-----------------|---------|
| (Lab) Order No. | 1831131 |
|-----------------|---------|

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|--|------------|-----------------|-------------------------|------------------|---------------|
| B5A | Bottom Board | Building B | | ----- | | |
| B11 | Risignal Ceiling Plaster | | | ----- | | |
| B12 | ↓ | | | ----- | | |
| B13 | ↓ | | | ----- | | |
| B14 | Cement Wall Panel | | | ----- | | |
| B15 | ↓ | | | ----- | | |
| B16 | Roofing Derbis | | | ----- | | |
| B17 | ↓ | | | ----- | | |
| B18 | ↓ | | | ----- | | |
| B19 | Gravel Roof Core w/Brown paper Base | | | ----- | | |
| B20 | ↓ | | | ----- | | |
| B21 | ↓ | | | ----- | | |
| B22 | Silver Roof Mastic | | | ----- | | |
| B23 | ↓ | | | ----- | | |
| B24 | ↓ | | | ----- | | |
| B25 | White painted Roof Mastic | | | ----- | | |
| B26 | ↓ | | | ----- | | |
| B27 | ↓ | | | ----- | | |
| | | | | ----- | | |
| | | | | ----- | | |

| | |
|-------------------|------------------------|
| Relinquished By: | Received By: |
| Date/Time: 5-4-18 | Date/Time: 5/4/18 1050 |

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SMSD-18-7674

Analysis:

TAT:

(Lab) Order No. 1831131

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---|------------|-----------------|-------------------------|------------------|---------------|
| H-1 | 12x4' Fisured Ceiling Panel | Building H | | | | |
| H-2 | | | | | | |
| H-3 | | | | | | |
| H-4 | Grey Duct Sealant | | | | | |
| H-5 | | | | | | |
| H-6 | Roofing Debris | | | | | |
| H-7 | | | | | | |
| H-8 | | | | | | |
| H-9 | Grey Rolled Roof Core w/ Brown Paper Base | | | | | |
| H-10 | | | | | | |
| H-11 | | | | | | |
| H-12 | Silver Painted Roof Mastic | | | | | |
| H-13 | | | | | | |
| H-14 | | | | | | |
| H-15 | Black Roof Mastic | | | | | |
| H-16 | | | | | | |
| H-17 | | | | | | |
| H-18 | White Roof Mastic | | | | | |
| H-19 | | | | | | |
| H-20 | | | | | | |

| | |
|-------------------|------------------------|
| Relinquished By: | Received By: |
| Date/Time: 5-4-18 | Date/Time: 5/4/18 1050 |

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Company: Alta Environmental

Project Number: SUSD-18-7674

Project Name: JAMS

(Lab) Order No. 1831131

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---|----------|-----------------|-------------------------|------------------|---------------|
| S-1 | 12" Fissured Ceiling tile w/ Brown glue | Bldg S | 5/3/18 | | | |
| S-2 | ↓ | | | | | |
| S-3 | ↓ | | | | | |
| S-4 | Barrier Paper | | | | | |
| S-5 | ↓ | | | | | |
| S-6 | ↓ | | | | | |
| S-7 | Window Putty | | | | | |
| S-8 | ↓ | | | | | |
| S-9 | Gray Duct Sealant | | | | | |
| S-10 | ↓ | | | | | |
| S-11 | 2x4' Fissured Ceiling panel | | | | | |
| S-12 | ↓ | | | | | |
| S-13 | White rolled on roof core w/ Brown Base paper | | | | | |
| S-14 | ↓ | | | | | |
| S-15 | ↓ | | | | | |
| S-16 | White rolled on roof parapet wall | | | | | |
| S-17 | ↓ | | | | | |
| S-18 | ↓ | | | | | |
| S-19 | White penetration mastic | | | | | |
| S-20 | ↓ | | | | | |

Relinquished By:

Received By:

Date/Time: 5-4-18

Date/Time: 5/4/18 1050

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SM5D-18-7674

Analysis:

TAT:

(Lab) Order No. 183131

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|--------------------------------|------------------|--------------|-------------------------|------------------|---------------|
| P-01 | 2"x4" Fiss-d C.P. | Bldg P/N (44-47) | 5-2-18 | | | |
| 02 | ↓ | | | | | |
| 03 | 1"x1" Pothole c.t. w/ glue | | | | | |
| 04 | ↓ | | | | | |
| 05 | Duct Seal-d | | | | | |
| 06 | ↓ | | | | | |
| 07 | window Putter | | | | | |
| 08 | ↓ | | | | | |
| 09 | 12"x12" Fiss-d c.t. w/ glue | | | | | |
| 10 | ↓ | | | | | |
| 11 | | | | | | |
| 12 | white Rolled up Rock | | | | | |
| 13 | Core | | | | | |
| 14 | | | | | | |
| 15 | (Pavement wall) | | | | | |
| 16 | ↓ | | | | | |
| 17 | ↓ | | | | | |
| 18 | white Paved Road | | | | | |
| 19 | Master | | | | | |
| 20 | ↓ | | | | | |
| 21 | 4" o.p. white T.S.T. | | | | | |

| | |
|-------------------------------------|---------------------------------|
| Relinquished By: <u>[Signature]</u> | Received By: <u>[Signature]</u> |
| Date/Time: <u>5-4-18</u> | Date/Time: <u>5/4/18 1050</u> |

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: MSD-18-7674

Analysis:

TAT:

(Lab) Order No. 1831131

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---|----------|-----------------|-------------------------|------------------|---------------|
| T-1 | JTCup | Build 1 | | | | |
| T-2 | Dry wall | | | | | |
| T-3 | Composite | | | | | |
| T-4 | Stucco | | | | | |
| T-5 | ↓ | | | | | |
| T-6 | Barrier paper | | | | | |
| T-7 | ↓ | | | | | |
| T-8 | ↓ | | | | | |
| T-9 | Sand plaster | | | | | |
| T-10 | ↓ | | | | | |
| T-11 | 12x12 Random Pinhole CT w/ Glue | | | | | |
| T-12 | ↓ | | | | | |
| T-13 | 2x4 Fibred CT | | | | | |
| T-14 | ↓ | | | | | |
| T-15 | Grey Duct Secknt | | | | | |
| T-16 | ↓ | | | | | |
| T-17 | 12in Fibred Wall/ ceiling tile w/ Glue | | | | | |
| T-18 | ↓ | | | | | |
| T-19 | ↓ | | | | | |

Relinquished By: [Signature] Received By: [Signature]

Date/Time: 5-4-18 Date/Time: 5/4/18 1050

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: MSD-18-7674

Analysis:

TAT:

(Lab) Order No. 1831131

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---------------------------|----------|--------------|-------------------------|------------------|---------------|
| T-20 | Bottom Board | Build T | | | | |
| 21 | I | I | | | | |
| 22 | I | I | | | | |
| 23 | Acoustical wall Plaster | | | | | |
| 24 | I | I | | | | |
| 25 | I | I | | | | |
| 26 | Black Barrier Paper | | | | | |
| 27 | I | I | | | | |
| 28 | I | I | | | | |
| 29 | 2x4' Smooth Ceiling Panel | | | | | |
| 30 | I | I | | | | |
| 31 | I | I | | | | |
| 32 | Light weight concrete | | | | | |
| 33 | I | I | | | | |
| 34 | I | I | | | | |
| 35 | Window Duff | | | | | |
| 36 | I | I | | | | |
| 37 | I | I | | | | |
| | | | | | | |
| | | | | | | |

Relinquished By: [Signature] Received By: [Signature]

Date/Time: 5-4-18 Date/Time: 5/4/18 1050



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Alta Environmental
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Attn.: David Schack

Report Number 1831190

Date Received 05/09/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number Ref. PLM #1831131

Date Sampled 05/04/2018

Sampled By F.R.

Total Samples 4

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|----------------------------|------------------|-------|
| 1831190-001 T-3 | Bldg T DW/JC Composite, White/Brown/Beige, Non- homogeneous | LAYER 1 100% | Organic/Volatile Material Acid Soluble Material Non-Asbestos Residue | 29.03% 44.02% 26.57% | Chrysotile | 0.38% |
| 1000 pt. POINT COUNT | | | | | | |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 99.6% | Total %Asbestos: | 0.38% |
| 1831190-002 T-32 | Bldg T Lightweight concrete, Beige/Yellow, Homogeneous | LAYER 1 100% | Organic/Volatile Material Acid Soluble Material Non-Asbestos Residue | 27.42% 57.71% 14.20% | Chrysotile | 0.67% |
| 1000 pt. POINT COUNT | | | | | | |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 99.3% | Total %Asbestos: | 0.67% |
| 1831190-003 T-33 | Bldg T Lightweight concrete, Beige/Yellow, Homogeneous | LAYER 1 100% | Organic/Volatile Material Acid Soluble Material Non-Asbestos Residue | 25.88% 59.51% 13.93% | Chrysotile | 0.68% |
| 1000 pt. POINT COUNT | | | | | | |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 99.3% | Total %Asbestos: | 0.68% |
| 1831190-004 T-34 | Bldg T Lightweight concrete, Beige/Yellow, Homogeneous | LAYER 1 100% | Organic/Volatile Material Acid Soluble Material Non-Asbestos Residue | 26.86% 58.30% 14.10% | Chrysotile | 0.74% |
| 1000 pt. POINT COUNT | | | | | | |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 99.3% | Total %Asbestos: | 0.74% |

Note: EPA 400 point count extended to 1000 points to meet the Cal OSHA regulatory limit of 0.1%.

Method Detection Limit: One tenth of one percent (0.1%). Asbestos content has been determined using the point count method. Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.

Cristina Tabatt

Analyst - Cristina Tabatt

Cristina Tabatt

Approved Signatory Cristina E. Tabatt





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Alta Environmental
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Long Beach CA 90807
Attn.: David Schack

Report Number 1831148

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------|--|-----|
| 1831148-001 501-01 | Bldg G Drywall Mud, Lt. Pink, Homogeneous Note: Sample appears to be drywall | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | <1% <1 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-002 501-02 | Bldg G Drywall Mud, Lt. Pink, Homogeneous Note: Sample appears to be drywall | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | <1% <1 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-003 501-03 | Bldg G Drywall Mud, White, Homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 80% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-004 501-04 | Bldg G Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-005 501-05 | Bldg G Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831148

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|------------------------------|---|-------------------|-------------------------|-----------------------------|
| 1831148-006 501-06 | Bldg G Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 20% 50% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-007 501-07 | Bldg G Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 20% 50% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-008 501-08 | Bldg G Drywall, White/Brown/Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 10% <1 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-009 501-09 | Bldg G Drywall, White/Brown/Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 10% <1 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-010 501-10 | Bldg G Composite, White/Brown/Beige/Yellow, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Calcium Carbonate | <1% 2% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831148

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|------------------------------|--|-------------------|-------------------------|-----------------------------|
| 1831148-011 501-11 | Bldg G Stucco, Orange/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 40% 35% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-012 501-12 | Bldg G Stucco, Orange/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 50% 30% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-013 501-13 | Bldg G Stucco, Orange/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-014 501-14 | Bldg G Stucco, Orange/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-015 501-15 | Bldg G Stucco, Orange/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831148

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------|--|-----|
| 1831148-016 501-16 | Bldg G Barrier Paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-017 501-17 | Bldg G Barrier Paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-018 501-18 | Bldg G Barrier Paper, Brown/Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-019 501-19 | Bldg G Cement panel, White, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-020 501-20 | Bldg G Cement panel, White, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-021 501-21 | Bldg G Cement panel, White, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831148

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|--------------------------------|--|-----|
| 1831148-022 501-22A | Bldg G Painted rolled roof- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Quartz Bituminous Matrix Binder/Filler | 10% 2% 10% 60% 18% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-023 501-22B | Bldg G Painted rolled roof- Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 5% 15% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-024 501-22C | Bldg G Painted rolled roof- Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-025 501-23A | Bldg G Painted rolled roof- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Quartz Bituminous Matrix Binder/Filler | 10% 2% 10% 60% 18% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-026 501-23B | Bldg G Painted rolled roof- Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831148

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|--------------------------------|------------------|-------------------------|
| 1831148-027 501-23C | Bldg G Painted rolled roof- Insulation, Brown, Homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Quartz Bituminous Matrix Binder/Filler | 10% 2% 10% 60% 18% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-028 501-24A | Bldg G Painted rolled roof- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Quartz Bituminous Matrix Binder/Filler | 10% 2% 10% 60% 18% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-029 501-24B | Bldg G Painted rolled roof- Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-030 501-24C | Bldg G Painted rolled roof- Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-031 501-25 | Bldg G Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-032 501-26 | Bldg G Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|-------------------------|-------------------------|-----------------------------|
| 1831148-033 501-27 | Bldg G Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-034 501-28 | Bldg G Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-035 501-29 | Bldg G Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-036 501-30 | Bldg G Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-037 501-31 | Bldg G Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Bituminous Matrix/Filler Binder/Filler | 15% 5% 65% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-038 501-32 | Bldg G Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Bituminous Matrix/Filler Binder/Filler | 15% 5% 65% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------------------|-------------------------|---------------------------------|
| 1831148-039 501-33 | Bldg G Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Fibrous Glass Bituminous Matrix/Filler Binder/Filler | 15% 5% 2% 55% 23% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-040 501-A1 | Bldg F Drywall Mud, White, Non- homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-041 501-A2 | Bldg F Drywall Mud, White, Non- homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-042 501-A3 | Bldg F Drywall Mud, White, Non- homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-043 501-A4 | Bldg F Drywall Mud, White, Non- homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|------------------------------|--|-------------------------|-------------------------|-----------------------------|
| 1831148-044 501-A5 | Bldg F Drywall Mud, White/Yellow, Non-homogeneous | LAYER 1 100% | Fibrous Glass Perlite Calcium Carbonate Binder/Filler | 2% 10% 73% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-045 501-A6 | Bldg F Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-046 501-A7 | Bldg F Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-047 501-A8 | Bldg F Drywall, White/ Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 15% <1 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-048 501-A9 | Bldg F Drywall, White/ Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 40% <1 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|-------------------------------|--|-----|
| 1831148-049 501-A10 | Bldg F Composite drywall w/ mud, White/ Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Perlite Calcium Carbonate Gypsum/Binder/Filler | 10% <1 5% 20% 65% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-050 501-A11 | Bldg F Stucco, Green/White/Gray, Non- homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 50% 30% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-051 501-A12 | Bldg F Stucco, Green/White/Gray, Non- homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 35% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-052 501-A13 | Bldg F Stucco, Green/White/Gray, Non- homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 50% 30% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-053 501-A14 | Bldg F Stucco, Green/White/Gray, Non- homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|------------------------------|---|-------------------|-------------------------|-----------------------------|
| 1831148-054 501-A15 | Bldg F Stucco, Green/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-055 501-A16 | Bldg F Barrier Paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-056 501-A17 | Bldg F Barrier paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-057 501-A18 | Bldg F Barrier paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-058 501-A19 | Bldg F Cement panel, White/ Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-059 501-A20 | Bldg F Cement panel, White/ Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|--------------------------------|--|-----|
| 1831148-060 501-A21 | Bldg F Cement panel, White/ Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-061 501-A22A | Bldg F Rolled Roof- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix Binder/Filler | 2% 10% 10% 63% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-062 501-A22B | Bldg F Rolled Roof- Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 15% 5% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-063 501-A22C | Bldg F Rolled Roof- Felt, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 45% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-064 501-A22D | Bldg F Rolled Roof- Insulation, Brown, Homogeneous | LAYER 1 100% | Wood Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-065 501-A23A | Bldg F Rolled Roof- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix Binder/Filler | 2% 10% 10% 63% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|--------------------------------|-------------------------|---------------------------------|
| 1831148-066 501-A23B | Bldg F Rolled Roof- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 5% 15% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-067 501-A23C | Bldg F Rolled Roof- Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-068 501-A24A | Bldg F Rolled Roof- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix Binder/Filler | 2% 10% 10% 63% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-069 501-A24B | Bldg F Rolled Roof- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 5% 15% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-070 501-A24C | Bldg F Rolled Roof- Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-071 501-A25 | Bldg F Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------------|-------------------------|-----------------------------|
| 1831148-072 501-A26 | Bldg F Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-073 501-A27 | Bldg F Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-074 501-A28 | Bldg F Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-075 501-A29 | Bldg F Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-076 501-A30 | Bldg F Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-077 501-A31 | Bldg F Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Bituminous Matrix Binder/Filler | 15% 5% 55% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|---|-------------------------|-------------------------|---------------------------------|
| 1831148-078 501-A32 | Bldg F Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Bituminous Matrix Binder/Filler | 15% 5% 55% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-079 501-A33 | Bldg F Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Bituminous Matrix Binder/Filler | 15% 5% 55% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-080 501-B1 | Bldg E Drywall Mud, White, Non- homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-081 501-B2 | Bldg E Drywall Mud, White, Non- homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-082 501-B3 | Bldg E Drywall Mud, White, Non- homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831148

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|---|-------------------|-------------------------|-----------------------------|
| 1831148-083 501-B4 | Bldg E Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-084 501-B5 | Bldg E Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-085 501-B6 | Bldg E Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-086 501-B7 | Bldg E Drywall Mud, White, Non-homogeneous | LAYER 1 100% | Perlite Calcium Carbonate Binder/Filler | 10% 75% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-087 501-B8 | Bldg E Drywall, Tan/Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 10% <1 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|---|-------------------------|-------------------------|-----------------------------|
| 1831148-088 501-B9 | Bldg E Drywall, Pink/Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 10% <1 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-089 501-B10 | Bldg E Composite- Drywall w/ Mud, White/Tan/Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Calcium Carbonate Gypsum/Binder/Filler | 10% <1 15% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-090 501-B11 | Bldg E Stucco, Blue/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 40% 35% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-091 501-B12 | Bldg E Stucco, Blue/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 40% 35% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-092 501-B13 | Bldg E Stucco, Blue/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|------------------------------|---|-------------------|-------------------------|-----------------------------|
| 1831148-093 501-B14 | Bldg E Stucco, Blue/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-094 501-B15 | Bldg E Stucco, Blue/White/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 30% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-095 501-B16 | Bldg E Barrier Paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-096 501-B17 | Bldg E Barrier Paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-097 501-B18 | Bldg E Barrier Paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-098 501-B19 | Bldg E Cement panel, White/ Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|--------------------------------|--|-----|
| 1831148-099 501-B20 | Bldg E Cement panel, White/ Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-100 501-B21 | Bldg E Cement panel, White/ Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Calcium Carbonate Binder/Filler | 25% 55% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-101 501-B22A | Bldg E Roof Core- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix/Filler Binder/Filler | 5% 10% 10% 60% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-102 501-B22B | Bldg E Roof Core- Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 5% 15% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-103 501-B22C | Bldg E Roof Core- Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|--------------------------------|-------------------------|---------------------------------|
| 1831148-104 501-B23A | Bldg E Roof Core- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix/Filler Binder/Filler | 5% 10% 10% 60% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-105 501-B23B | Bldg E Roof Core- Layered Felt, Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 5% 15% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-106 501-B23C | Bldg E Roof Core- Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-107 501-B24A | Bldg E Roof Core- Capsheet, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix/Filler Binder/Filler | 5% 10% 10% 60% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-108 501-B24B | Bldg E Roof Core- Layered Felt, Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 5% 15% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-109 501-B24C | Bldg E Roof Core- Insulation, Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|------------------|-------------------------|-----------------------------|
| 1831148-110 501-B25 | Bldg E Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-111 501-B26 | Bldg E Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-112 501-B27 | Bldg E Insulation, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-113 501-B28 | Bldg E Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-114 501-B29 | Bldg E Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-115 501-B30 | Bldg E Base felt, Gray, Homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Total Samples 147

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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|--|-------------------------------|-------------------------|---------------------------------|
| 1831148-116 501-B31 | Bldg E Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Fibrous Glass Bituminous Matrix Binder/Filler | 15% 3% 2% 55% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-117 501-B32 | Bldg E Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Bituminous Matrix Binder/Filler | 15% 5% 55% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-118 501-B33 | Bldg E Painted roof mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Wollastonite Bituminous Matrix Binder/Filler | 15% 5% 55% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-119 L-01 | Bldg L 2'x4' fissured ceiling panel, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 55% 45% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-120 L-02 | Bldg L 2'x4' fissured ceiling panel, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Perlite | 55% 45% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-121 L-03 | Bldg L Duct Sealant, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--------------------------------------|------------|-------------------------|-----------------------------|
| 1831148-122 L-04 | Bldg L Duct Sealant, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-123 L-05 | Bldg L Duct Sealant, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-124 L-06 | Bldg L 1'x1' ceiling tile (peghole), White/ Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-125 L-07 | Bldg L 1'x1' ceiling tile (peghole), White/ Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-126 L-08 | Bldg L Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-127 L-09 | Bldg L Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|--|-------------------|-------------------------|---------------------------------|
| 1831148-128 L-10 | Bldg L Rough textured plaster, Green/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 45% 35% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-129 L-11 | Bldg L Rough textured plaster, Green/Gray, Non-homogeneous | LAYER 1 100% | Quartz Calcium Carbonate Binder/Filler | 55% 25% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-130 L-12A | Bldg L Gravel coated roof core-Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 35% 65% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-131 L-12B | Bldg L Gravel coated roof core-Insulation, Brown, Homogeneous | LAYER 1 100% | Wood Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-132 L-13A | Bldg L Gravel coated roof core-Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 35% 65% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831148-133 L-13B | Bldg L Gravel coated roof core-Insulation, Brown, Homogeneous | LAYER 1 100% | Wood Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|-----------------------|---|------------------|--|-----|
| 1831148-134 L-14A | Bldg L Gravel coated roof core-Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 35% 65% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-135 L-14B | Bldg L Gravel coated roof core-Insulation, Brown, Homogeneous | LAYER 1 100% | Wood Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-136 L-15 | Bldg L Base felt, Black/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 5% 50% | Chrysotile | 45% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 55.0% | Total %Asbestos: 45.0% | |
| 1831148-137 L-16 | Bldg L Base felt, Black/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 5% 50% | Chrysotile | 45% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 55.0% | Total %Asbestos: 45.0% | |
| 1831148-138 L-17 | Bldg L Base felt, Black/ Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 5% 50% | Chrysotile | 45% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 55.0% | Total %Asbestos: 45.0% | |
| 1831148-139 L-18 | Bldg L Sheet roofing, White/ Black, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Fibrous Glass Binder/Filler | 25% 3% 72% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-140 L-19 | Bldg L Sheet roofing, White/ Black, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Fibrous Glass Binder/Filler | 25% 3% 72% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: David Schack

Report Number 1831148

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|--|-----------------------|---|------------------|--|-----|
| 1831148-141 L-20 | Bldg L Sheet roofing, White/ Black, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Fibrous Glass Binder/Filler | 25% 3% 72% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-142 L-21 | Bldg L Mastic, Gray/ Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-143 L-22 | Bldg L Mastic, Gray/ Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | 2% 92% | Chrysotile | 6% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 94.0% | Total %Asbestos: 6.0% | |
| 1831148-144 L-23 | Bldg L Mastic, Gray/ Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler | <1% 94% | Chrysotile | 6% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 94.0% | Total %Asbestos: 6.0% | |
| 1831148-145 L-24 | Bldg L Black/White/Gray, Non-homogeneous Note: Materials appear to be sealants | LAYER 1 100% | Binder/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-146 L-25 | Bldg L Gray, Homogeneous Note: Material appear to be sealant | LAYER 1 100% | Binder/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831148-147 L-26 | Bldg L Gray, Homogeneous Note: Material appear to be sealant | LAYER 1 100% | Binder/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831148

Date Received 05/03/2018

Date Analyzed 05/09/2018

Date Reported 05/10/2018

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Sampled 05/01/2018

Sampled By F.R.

Total Samples 147

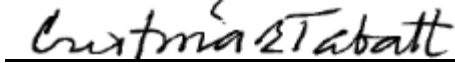
Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components (%) | Asbestos Type (%) |
|-----------------------------|--------------------------------|----------------------|--------------------------------|----------------------|
|-----------------------------|--------------------------------|----------------------|--------------------------------|----------------------|

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.



Analyst - Cristina Tabatt



Approved Signatory Cristina E. Tabatt





CHAIN OF CUSTODY

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(Lab) Order No. 1831148

| CUSTOMER INFORMATION | | | | Turnaround Time | Shipped By | Report Send Via: | | | | |
|--|--|-------------|--|---|--|---|--------------|---|---------------|------------|
| Company | Alta Environmental | | | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> | | | | |
| Address | 3777 Long Beach Boulevard | | | 1 Day <input type="checkbox"/> | UPS <input type="checkbox"/> | Email <input checked="" type="checkbox"/> | | | | |
| City/State/Zip | Long Beach, CA 90807 | | | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> | | | | |
| Contact | David Schack | | | 3 Day <input checked="" type="checkbox"/> | Drop Off <input checked="" type="checkbox"/> | Verbal <input type="checkbox"/> | | | | |
| Office Phone | 562/ 495-5777 | | | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> | | | | |
| Cell | 310/ 951-9482 | | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> | | | | |
| Fax | 562/ 495-5877 | | | Special Instructions: | | | | | | |
| Email | david.schack@altaenviron.com | | | | | | | | | |
| | therese.rizarri@altaenviron.com | | | | | | | | | |
| PROJECT INFORMATION | | | | | | | | | | |
| Project Name: JAMS HVAC/Fire Alarm Project | | | | PO Number: | | | | | | |
| Project Number: <u>SM5D-18-7674</u> | | | | Work Order No.: | | | | | | |
| Location: | | | | Sampled By: <u>FR</u> | | | | | | |
| PLM | | | | PCM | | MOLD | | LEAD (Pb) | | |
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | | | | NIOSH 7400A <input type="checkbox"/> | | Spore Trap <input type="checkbox"/> | | Air <input type="checkbox"/> | | |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | | | | NIOSH 7400B <input type="checkbox"/> | | Tape Lift <input type="checkbox"/> | | Paint <input checked="" type="checkbox"/> | | |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | | | | w/ TWA <input type="checkbox"/> | | Bulk Sample <input type="checkbox"/> | | Wipe <input type="checkbox"/> | | |
| | | | | | | | | Soil <input type="checkbox"/> | | |
| SAMPLE ID | | SAMPLE TYPE | | LOCATION | | | Date Sampled | Start Time | Avg Flow Rate | Volume (L) |
| 501-01 | | Drywall Mud | | Bldg G | | | 5-01-18 | ----- | | |
| 2 | | | | | | | | ----- | | |
| 3 | | | | | | | | ----- | | |
| 4 | | | | | | | | ----- | | |
| 5 | | | | | | | | ----- | | |
| 6 | | | | | | | | ----- | | |
| 7 | | | | | | | | ----- | | |
| 8 | | Drywall | | | | | | ----- | | |
| 9 | | | | | | | | ----- | | |
| 10 | | Composite | | | | | | ----- | | |
| Relinquished By: <u>[Signature]</u> | | | | Received By: <u>[Signature]</u> | | | | | | |
| Date/Time: <u>5-3-18 12:58 pm</u> | | | | Date/Time: <u>5/3/18 13:00</u> | | | | | | |

CHAIN OF CUSTODY

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SM5D-18-7674

Analysis:

TAT:

(Lab) Order No. 1831148

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|--------------------------------------|----------|--------------|-------------------------|------------------|---------------|
| 5-01-11 | stucco | Hdg 4 | 5-01-18 | ----- | | |
| 12 | | | | ----- | | |
| 13 | | | | ----- | | |
| 14 | | | | ----- | | |
| 15 | | | | ----- | | |
| 16 | Barrier Brown Paper | | | ----- | | |
| 17 | | | | ----- | | |
| 18 | | | | ----- | | |
| 19 | Grey Cement ^{Roof} | | | ----- | | |
| 20 | | | | ----- | | |
| 21 | | | | ----- | | |
| 22 | White painted ^{Rolled} Roof | | | ----- | | |
| 23 | | | | ----- | | |
| 24 | | | | ----- | | |
| 25 | Brown Insulation | | | ----- | | |
| 26 | | | | ----- | | |
| 27 | | | | ----- | | |
| 28 | Black Base Felt | | | ----- | | |
| 29 | | | | ----- | | |
| 30 | | | | ----- | | |

Relinquished By: [Signature] Received By: [Signature]

Date/Time: 5-03-18 Date/Time: 5/3/18 13:00

CHAIN OF CUSTODY



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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: MSD-18-7674

Analysis:

TAT:

(Lab) Order No. 1831148

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---------------------------------------|----------|--------------|------------|-----------|---------------|------------|
| 501-31 | White painted ^{Roof} Plastic | Bldg 6 | 5-1-18 | | | | |
| ↓ 32 | ↓ | ↓ | ↓ | | | | |
| ↓ 33 | ↓ | ↓ | ↓ | | | | |
| | | | | | | | |
| 501-A1 | Drywall Mud | Bldg F | 5-01-18 | | | | |
| A2 | ↓ | ↓ | ↓ | | | | |
| A3 | | | | | | | |
| A4 | | | | | | | |
| A5 | | | | | | | |
| A6 | | | | | | | |
| A7 | ↓ | | | | | | |
| A8 | Drywall | | | | | | |
| A9 | ↓ | | | | | | |
| A10 | Composite Drywall w/ Mud | | | | | | |
| A11 | Stucco | | | | | | |
| A12 | ↓ | | | | | | |
| A13 | | | | | | | |
| A14 | | | | | | | |
| A15 | ↓ | | | | | | |
| ✓ A16 | Barrier ^{Brown} Paper | ✓ | ✓ | | | | |

Relinquished By: [Signature]

Received By: [Signature]

Date/Time: 5-3-18

Date/Time: 5/3/18 13:00

CHAIN OF CUSTODY



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Company: Alta Environmental
Project Number: JAMS HVAC/Fire Alarm Project
Project Name: SM5D-18-7674

Analysis:

TAT:

(Lab) Order No. 1831148

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---------------------------|----------|--------------|-------------------------|------------------|---------------|
| 501 - A17 | Brown Paper | Bldg F | 5-01-18 | ----- | | |
| A18 | ↓ | | | ----- | | |
| A19 | Grey Cement Panel | | | ----- | | |
| A20 | ↓ | | | ----- | | |
| A21 | ↓ | | | ----- | | |
| A22 | white painted Radfed Roof | | | ----- | | |
| A23 | ↓ | | | ----- | | |
| A24 | ↓ | | | ----- | | |
| A25 | Brown Insolation | | | ----- | | |
| A26 | ↓ | | | ----- | | |
| A27 | ↓ | | | ----- | | |
| A28 | Black Bare Felt | | | ----- | | |
| A29 | ↓ | | | ----- | | |
| A30 | ↓ | | | ----- | | |
| A31 | white painted Roof Mastic | | | ----- | | |
| A32 | ↓ | | | ----- | | |
| A33 | ↓ | | | ----- | | |
| | | | | ----- | | |
| | | | | ----- | | |
| | | | | ----- | | |

Relinquished By: [Signature] Received By: [Signature]
Date/Time: 5-5-18 Date/Time: 5/3/18 13:00

CHAIN OF CUSTODY



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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: MSD-18-7674

Analysis:

TAT:

(Lab) Order No. 1831148

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|-----------------------------|----------|--------------|-------------------------|------------------|---------------|
| 501-B1 | Drywall Mud | Bldg # | 5-01-18 | | | |
| B2 | | | | | | |
| B3 | | | | | | |
| B4 | | | | | | |
| B5 | | | | | | |
| B6 | | | | | | |
| B7 | | | | | | |
| B8 | Dry wall | | | | | |
| B9 | | | | | | |
| B10 | Composite-Drywall w/ Mud | | | | | |
| B11 | Stucco | | | | | |
| B12 | | | | | | |
| B13 | | | | | | |
| B14 | | | | | | |
| B15 | | | | | | |
| B16 | Barrier Brown Paper | | | | | |
| B17 | | | | | | |
| B18 | | | | | | |
| B19 | Grey Cement Panel | | | | | |
| B20 | | | | | | |

Relinquished By:

Received By:

Date/Time: 5-3-18

Date/Time:

5/3/18 13:00

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Analysis:

TAT:

(Lab) Order No. 1831148

[illegible]

CHAIN OF CUSTODY



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Company: Alta Environmental
Project Number: JAMS HVAC/Fire Alarm Project
Project Name: SM5D-18-7674

Analysis:

TAT:

(Lab) Order No. 1831148

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|------------------------------|----------|--------------|-------------------------|------------------|---------------|
| L-01 | 2'x4' fss-d Ceily Panel | Bldg L | 5-01-18 | | | |
| 02 | ↓ | | | | | |
| 03 | white duct sealant | | | | | |
| 04 | ↓ | | | | | |
| 05 | 1'x1' Ceily tile (Pghole) | | | | | |
| 06 | ↓ | | | | | |
| 07 | Barrier Paper | | | | | |
| 08 | ↓ | | | | | |
| 09 | Rough Textured Plaster | | | | | |
| 10 | ↓ | | | | | |
| 11 | ↓ | | | | | |
| 12 | Gravel Coated Rock Core | | | | | |
| 13 | ↓ | | | | | |
| 14 | ↓ | | | | | |
| 15 | Base felt | | | | | |
| 16 | ↓ | | | | | |
| 17 | ↓ | | | | | |
| 18 | White street Peas | | | | | |
| 19 | ↓ | | | | | |
| 20 | ↓ | | | | | |
| 21 | Gray Mast-c | | | | | |
| 22 | ↓ | | | | | |
| 23 | ↓ | | | | | |
| 24 | Black/white/gray | | | | | |
| 25 | ↓ | | | | | |
| 26 | ↓ | | | | | |

Relinquished By: [Signature]

Received By: [Signature]

Date/Time: 5-3-18

Date/Time: 5/3/18 13:00



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Alta Environmental
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Attn.: David Schack

Report Number 1831166

Date Received 05/08/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS - Bldg U

Location

PO Number

WO Number

Date Sampled

Sampled By F. Ruvalcaba

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|--------------------------|-------------------------|-----------------------------|
| 1831166-001 U-1 | Bldg U Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-002 U-2 | Bldg U Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-003 U-3 | Bldg U Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-004 U-4 | Bldg U Sand Plaster, White, Non-homogeneous | LAYER 1 100% | Quartz Gypsum Binder/Filler | 40% 40% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-005 U-5 | Bldg U Sand Plaster, White, Non-homogeneous | LAYER 1 100% | Jute Fiber Quartz Gypsum Binder/Filler | <1% 40% 40% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-006 U-6 | Bldg U 2'x4' Fissured C.P., White/Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 35% 15% 40% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Attn.: David Schack

Report Number 1831166

Project Number SMSD-18-7674

Project Name JAMS - Bldg U

Location

PO Number

WO Number

Date Received 05/08/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Date Sampled

Sampled By F. Ruvalcaba

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|---|------------------|-------------------------|
| 1831166-007 U-7 | Bldg U 2'x4' Fissured C.P., White/Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 35% 15% 40% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-008 U-8 | Bldg U Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Adhesive Binders/Filler | 2% 98% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-009 U-9 | Bldg U Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Adhesive Binders/Filler | 2% 98% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-010 U-10 | Bldg U Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Adhesive Binders/Filler | 2% 98% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-011 U-11 | Bldg U Roofing Debris, White/Black Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Quartz Bituminous Material Gypsum Other Non-Fibrous Material | Present Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-012 U-12 | Bldg U Roofing Debris, White/Black Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Quartz Gypsum Other Non-Fibrous Material | Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS - Bldg U
Location
PO Number
WO Number

Report Number 1831166

Date Received 05/08/2018

Date Sampled

Date Analyzed 05/10/2018

Sampled By F. Ruvalcaba

Date Reported 05/10/2018

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|--|--|-------------------------|-----------------------------|
| 1831166-013 U-13 | Bldg U Roofing Debris, Brown/Black Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Bituminous Material Quartz Other Non-Fibrous Material | Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-014 U-14 | Bldg U Joint Compound, White, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Perlite Binder/Filler | 60% 20% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-015 U-15 | Bldg U Joint Compound, White, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Perlite Binder/Filler | 60% 20% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-016 U-16 | Bldg U 2'x4' Smooth C.P., White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-017 U-17 | Bldg U 2'x4' Smooth C.P., White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-018 U-18 | Bldg U 2'x4' Smooth C.P., White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Long Beach CA 90807
Attn.: David Schack

Report Number 1831166

Date Received 05/08/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS - Bldg U

Location

PO Number

WO Number

Date Sampled

Sampled By F. Ruvalcaba

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|--------------------------|------------------|----------------------|
| 1831166-019 U-19 | Bldg U Stucco, White/Gray, Non-homogeneous | LAYER 1 100% | Fibrous Glass Calcium Carbonate Quartz Other Non-Fibrous Material | <1% 20% 45% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-020 U-20 | Bldg U Stucco, White/Gray, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Quartz Other Non-Fibrous Material | 25% 45% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-021 U-21 | Bldg U Stucco, White/Gray, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Quartz Other Non-Fibrous Material | 25% 45% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-022 U-22 | Bldg U Stucco, White/Gray, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Quartz Other Non-Fibrous Material | 25% 45% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-023 U-23 | Bldg U Stucco, White/Gray, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Quartz Other Non-Fibrous Material | 25% 45% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674

Project Name JAMS - Bldg U

Location

PO Number

WO Number

Date Sampled

Sampled By F. Ruvalcaba

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|------------------------------|---|-------------------|-------------------------|-----------------------------|
| 1831166-024 Q-1 | Bldg Q Joint Compound, White, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Perlite Binder/Filler | 80% 5% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-025 Q-2 | Bldg Q Joint Compound, White, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Perlite Binder/Filler | 75% 10% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-026 Q-3 | Bldg Q Barrier Paper, Dk. Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-027 Q-4 | Bldg Q Barrier Paper, Dk. Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-028 Q-5 | Bldg Q Barrier Paper, Dk. Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-029 Q-6A | Bldg Q 1'x1' Random Pinhole C.T., White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 78% 20% | Chrysotile | 2% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 98.0% | Total %Asbestos: | 2.0% |



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Project Number SMSD-18-7674
Project Name JAMS - Bldg U
Location
PO Number
WO Number

Report Number 1831166

Date Received 05/08/2018
Date Analyzed 05/10/2018
Date Reported 05/10/2018

Date Sampled
Sampled By F. Ruvalcaba
Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|-----------------------|------------------------------------|------------|-------------------------|-----------------------------|
| 1831166-030 Q-6B | Bldg Q Mastic, Brown, Non-homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-031 Q-7A | Bldg Q 1'x1' Random Pinhole C.T., White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 78% 20% | Chrysotile | 2% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 98.0% | Total %Asbestos: | 2.0% |
| 1831166-032 Q-7B | Bldg Q Mastic, Brown, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-033 Q-8 | Bldg Q Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-034 Q-9 | Bldg Q Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-035 Q-13 | Bldg Q Window Putty, Green/Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS - Bldg U
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WO Number

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Date Sampled

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Sampled By F. Ruvalcaba

Date Reported 05/10/2018

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|------------------------------------|------------|--|-----|
| 1831166-036 Q-14 | Bldg Q Window Putty, Green/Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831166-037 Q-15 | Bldg Q Window Putty, Green/Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831166-038 Q-19 | Bldg Q 2'x4' Smooth Ceiling Panels, White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831166-039 Q-20 | Bldg Q 2'x4' Smooth Ceiling Panels, White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831166-040 Q-21 | Bldg Q 2'x4' Smooth Ceiling Panels, White, Non-homogeneous | LAYER 1 100% | Mineral Wool Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831166-041 A-1A | Bldg A Tile, White/Beige, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Project Number SMSD-18-7674
Project Name JAMS - Bldg U
Location
PO Number
WO Number

Report Number 1831166

Date Received 05/08/2018

Date Sampled

Date Analyzed 05/10/2018

Sampled By F. Ruvalcaba

Date Reported 05/10/2018

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|------------|-------------------------|---------------------------------|
| 1831166-042 A-1B | Bldg A Glue, Brown, Non-homogeneous | LAYER 1 100% | Fibrous Talc Adhesive Binders/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-043 A-2A | Bldg A Tile, White/Beige, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-044 A-2B | Bldg A Glue, Brown, Homogeneous | LAYER 1 100% | Fibrous Talc Adhesive Binders/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-045 A-3 | Bldg A Barrier Paper, Dk. Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-046 A-4 | Bldg A Barrier Paper, Dk. Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-047 A-5 | Bldg A Barrier Paper, Dk. Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS - Bldg U
Location
PO Number
WO Number

Report Number 1831166

Date Received 05/08/2018

Date Sampled

Date Analyzed 05/10/2018

Sampled By F. Ruvalcaba

Date Reported 05/10/2018

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|------------------|-------------------------|-----------------------------|
| 1831166-048 A-6 | Bldg A Button Board, White/Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 25% <1 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-049 A-7 | Bldg A Button Board, White/Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Gypsum/Filler | 20% <1 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-050 A-8 | Bldg A Duct Sealant, Beige, Homogeneous | LAYER 1 100% | Vermiculite Binder/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-051 A-9 | Bldg A Duct Sealant, Beige, Homogeneous | LAYER 1 100% | Vermiculite Binder/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-052 V-1 | Bldg V Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-053 V-2 | Bldg V Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS - Bldg U
Location
PO Number
WO Number

Report Number 1831166

Date Received 05/08/2018

Date Sampled

Date Analyzed 05/10/2018

Sampled By F. Ruvalcaba

Date Reported 05/10/2018

Total Samples 62

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------------|-------------------------|-----------------------------|
| 1831166-054 V-3 | Bldg V Duct Sealant, Dk. Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-055 V-4 | Bldg V Duct Sealant, Dk. Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-056 V-5 | Bldg V Duct Sealant, Dk. Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-057 V-6A | Bldg V 12'x12' Fissured C.T., Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 40% 15% 40% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-058 V-6B | Bldg V Glue, Beige, Non-homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-059 V-7A | Bldg V 12'x12' Fissured C.T., Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 40% 15% 40% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number SMSD-18-7674

Project Name JAMS - Bldg U

Location

PO Number

WO Number

Date Sampled


Sampled By F. Ruvalcaba

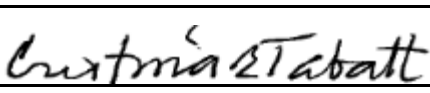
Total Samples 62

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------------|------------------|----------------------|
| 1831166-060 V-7B | Bldg V Glue, Beige, Non-homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-061 V-8A | Bldg V 12'x12' Fissured C.T., Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 40% 15% 40% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831166-062 V-8B | Bldg V Glue, Beige, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.


Analyst - Fred Chappellear


Approved Signatory Cristina E. Tabatt


Lab Code 500044-0

CHAIN OF CUSTODY



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(Lab) Order No. 1831166

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|----------------------------------|---|--|---|
| Company | Alta Environmental | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input checked="" type="checkbox"/> | UPS <input type="checkbox"/> | Email <input checked="" type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | D. SHLAK | 3 Day <input type="checkbox"/> | Drop Off <input checked="" type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: | | |
| Email | BCS Group. inbox@Altaenvirom.com | | | |

| PROJECT INFORMATION | | | |
|--|---|--|--|
| Project Name: SAMS - Bldg U | | PO Number: | |
| Project Number: SMSD-18-7674 | | Work Order No.: | |
| Location: | | Sampled By: E. Rucelcabe | |
| PLM PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | PCM NIOSH 7400A <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> w/ TWA <input type="checkbox"/> | MOLD Spore Trap <input type="checkbox"/> Tape Lift <input type="checkbox"/> Bulk Sample <input type="checkbox"/> | LEAD (Pb) Air <input type="checkbox"/> TTLC <input type="checkbox"/> Paint <input type="checkbox"/> STLC <input type="checkbox"/> Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Stop Time | Avg Flow Rate | Volume (L) |
|-----------|--------------------|----------|--------------|------------|-----------|---------------|------------|
| U-1 | Barrier Paper | Bldg U | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | Sand Plaster | | | | | | |
| 5 | | | | | | | |
| 6 | 2x4 Fissured C.P. | | | | | | |
| 7 | | | | | | | |
| 8 | Gray Dust Sediment | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |

| | |
|------------------------------|--------------------------|
| Relinquished By: [Signature] | Received By: [Signature] |
| Date/Time: 05-08-18 2:00 PM | Date/Time: 5/8/18 14:00 |

CHAIN OF CUSTODY

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SM5D-18-7674

Analysis:

TAT:

(Lab) Order No. 1831166

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L.) |
|-----------|-------------------|----------|--------------|-------------------------|------------------|----------------|
| U-11 | Roofing dirbits | Bldg U | 5-7-18 | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | Set. Comp | | | | | |
| 15 | | | | | | |
| 16 | (2x4) Smooth C.P. | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| U 19 | stucco | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Q-1 | S.T. Comp | Bldg Q | 5-7-18 | | | |
| 2 | | | | | | |
| 3 | Barrier Paper | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Relinquished By: [Signature]

Received By: [Signature]

Date/Time: 5-08-18

Date/Time: 5/8/18 14:00

CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com



Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SM5D-18-7674

Analysis:

TAT:

(Lab) Order No. 1831166

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---------------------------------------|----------|-----------------|-------------------------|------------------|---------------|
| Q-6 | 1x1" Pordon Run hole C.T. w/Mastic | Bldg Q | 5-7-18 | | | |
| 7 | ↓ | | | | | |
| 8 | Grey Duct Sealant | | | | | |
| 9 | ↓ | | | | | |
| 13 | Window Putty | | | | | |
| 14 | ↓ | | | | | |
| 15 | ↓ | | | | | |
| 19 | 2x4" Smooth Ceiling Panels | | | | | |
| 20 | ↓ | | | | | |
| 21 | ↓ | | | | | |
| A-1 | Tile w/Glue | Bldg A | 5-4-18 | | | |
| 2 | ↓ | | | | | |
| 3 | Barrier Paper | | | | | |
| 4 | ↓ | | | | | |
| 5 | ↓ | | | | | |
| 6 | Bottom Board | | | | | |
| 7 | ↓ | | | | | |
| 8 | Grey Duct Sealant | | | | | |
| 9 | ↓ | | | | | |

Relinquished By: [Signature] Received By: [Signature]

Date/Time: 05-08-18 Date/Time: 5/8/18 14:00

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(Lab) Order No. 1831166

[illegible]

Date/Time: 5/8/18 14:00

Lab Forms
Ver. 082411



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Alta Environmental
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Attn.: David Schack

Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica
PO Number
WO Number

Report Number 1831156

Date Received 05/08/2018

Date Sampled 05/04/2018

Date Analyzed 05/10/2018

Sampled By Jorge Robles

Date Reported 05/10/2018

Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------|-------------------------|---------------------------------|
| 1831156-001 0504-01A | Bldg A Roof Capsheet Roof Core- Felt/Tar (3 layers), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-002 0504-01B | Bldg A Roof Capsheet Roof Core- Felt (2 layers), Black, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-003 0504-01C | Bldg A Roof Capsheet Roof Core- Paper (2 layers), Brown/Pink, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-004 0504-02A | Bldg A Roof Capsheet Roof Core- Felt/Tar (3 layers), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-005 0504-02B | Bldg A Roof Capsheet Roof Core- Felt (2 layers), Black, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-006 0504-02C | Bldg A Roof Capsheet Roof Core- Paper (2 layers), Brown/Pink, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831156

Project Number SMSD-18-7674

Project Name JAMS

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Date Received 05/08/2018

Date Analyzed 05/10/2018

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Sampled By Jorge Robles

Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------|--|-----|
| 1831156-007 0504-03A | Bldg A Roof Capsheet Roof Core- Felt/Tar (4 layers), Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-008 0504-03B | Bldg A Roof Capsheet Roof Core- Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-009 0504-04A | Bldg A Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-010 0504-04B | Bldg A Roof Parapet Roofing- Adhesive, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-011 0504-05A | Bldg A Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-012 0504-05B | Bldg A Roof Parapet Roofing- Adhesive, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-013 0504-06A | Bldg A Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831156

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Received 05/08/2018

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Sampled By Jorge Robles

Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|-------------------|--|-----|
| 1831156-014 0504-06B | Bldg A Roof Parapet Roofing- Adhesive, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-015 0504-07 | Bldg A Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Bituminous Matrix Binder/Filler | <1% 75% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-016 0504-08 | Bldg A Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Bituminous Matrix Binder/Filler | <1% 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-017 0504-09 | Bldg A Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Bituminous Matrix Binder/Filler | <1% 60% 40% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-018 0504-10A | Bldg N Roof Capsheet Roof Core- Layered Felt/Tar, White/Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Synthetic Fiber Bituminous Matrix/Filler | 15% 2% 83% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-019 0504-10B | Bldg N Roof Capsheet Roof Core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|------------------|-------------------------|---------------------------------|
| 1831156-020 0504-11A | Bldg N Roof Capsheet Roof Core- Layered Felt/Tar, White/Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Synthetic Fiber Bituminous Matrix/Filler | 15% 2% 83% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-021 0504-11B | Bldg N Roof Capsheet Roof Core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-022 0504-12A | Bldg N Roof Capsheet Roof Core- Layered Felt/Tar, White/Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Synthetic Fiber Bituminous Matrix/Filler | 15% 2% 83% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-023 0504-12B | Bldg N Roof Capsheet Roof Core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-024 0504-13A | Bldg N Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-025 0504-13B | Bldg N Roof Parapet Roofing- Adhesive, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831156

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Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS

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Date Sampled 05/04/2018

Sampled By Jorge Robles

Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------------|--|-----|
| 1831156-026 0504-14A | Bldg N Roof Parapet Roofing, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-027 0504-14B | Bldg N Roof Parapet Roofing- Adhesive, Note: No adhesive present | LAYER 1 100% | | | | |
| 1831156-028 0504-15A | Bldg N Roof Parapet Roofing, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-029 0504-15B | Bldg N Roof Parapet Roofing- Adhesive, Note: No adhesive present | LAYER 1 100% | | | | |
| 1831156-030 0504-16 | Bldg N Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Fibrous Glass Bituminous Matrix Binder/Filler | <1% <1 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-031 0504-17 | Bldg N Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Fibrous Glass Bituminous Matrix Binder/Filler | 2% <1 60% 38% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Project Number SMSD-18-7674

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Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------------------|-------------------------|---------------------------------|
| 1831156-032 0504-18 | Bldg N Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Fibrous Glass Bituminous Matrix Binder/Filler | 2% 3% 60% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-033 0504-19A | Bldg R Roof Gravel Rolled-on Roof Core- Capsheet, Gray/White/Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz/Gravel | <1% 5% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-034 0504-19B | Bldg R Roof Gravel Rolled-on Roof Core-Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | <1% 25% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-035 0504-19C | Bldg R Roof Gravel Rolled-on Roof Core-Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-036 0504-20A | Bldg R Roof Gravel Rolled-on Roof Core- Capsheet, Gray/White/Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz/Gravel | <1% 5% 45% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-037 0504-20B | Bldg R Roof Gravel Rolled-on Roof Core-Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | <1% 25% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831156

Project Number SMSD-18-7674

Project Name JAMS

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Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|------------------|-------------------------|---------------------------------|
| 1831156-038 0504-20C | Bldg R Roof Gravel Rolled-on Roof Core-Paper, Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-039 0504-21A | Bldg R Roof Gravel Rolled-on Roof Core- Capsheet, Gray/White/Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Quartz/Gravel | <1% 5% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-040 0504-21B | Bldg R Roof Gravel Rolled-on Roof Core-Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 5% 20% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-041 0504-21C | Bldg R Roof Gravel Rolled-on Roof Core-Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-042 0504-22A | Bldg R Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-043 0504-22B | Bldg R Roof Parapet Roofing- Adhesive, Cream, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------|-------------------------|---------------------------------|
| 1831156-044 0504-22C | Bldg R Roof Parapet Roofing- Felt, Black, Homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-045 0504-23A | Bldg R Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-046 0504-23B | Bldg R Roof Parapet Roofing- Adhesive, Cream, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-047 0504-23C | Bldg R Roof Parapet Roofing-Felt, Black, Homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-048 0504-24A | Bldg R Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-049 0504-24B | Bldg R Roof Parapet Roofing- Adhesive, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-050 0504-24C | Bldg R Roof Parapet Roofing- Felt, Black, Homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|---|------------------------------|-------------------------|---------------------------------|
| 1831156-051 0504-25 | Bldg R Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Quartz Bituminous Matrix Binder/Filler | 15% 5% 5% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-052 0504-26 | Bldg R Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Bituminous Matrix Binder/Filler | 15% <1% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-053 0504-27 | Bldg R Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Wollastonite Quartz Bituminous Matrix Binder/Filler | 15% 5% 10% 70% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-054 0504-28A | Bldg Q Roof Capsheet Roof Core- Layered Felt, White/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Wollastonite Cellulose Fiber Synthetic Fiber Bituminous Matrix/Filler | 15% <1 <1 1% 84% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-055 0504-28B | Bldg Q Roof Capsheet Roof Core- Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Alta Environmental
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Long Beach CA 90807
Attn.: David Schack

Report Number 1831156

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Received 05/08/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Date Sampled 05/04/2018

Sampled By Jorge Robles

Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------------------------|-------------------------|---------------------------------|
| 1831156-056 0504-29A | Bldg Q Roof Capsheet Roof Core- Layered Felt, White/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Wollastonite Cellulose Fiber Synthetic Fiber Bituminous Matrix/Filler | 15% <1 <1 1% 84% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-057 0504-29B | Bldg Q Roof Capsheet Roof Core- Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-058 0504-30A | Bldg Q Roof Capsheet Roof Core- Layered Felt, White/ Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Wollastonite Cellulose Fiber Synthetic Fiber Bituminous Matrix/Filler | 15% <1 <1 1% 84% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-059 0504-30B | Bldg Q Roof Capsheet Roof Core- Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-060 0504-31A | Bldg Q Roof Gravel Rolled-on Roof Core- Capsheet, Gray/White/Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler | 10% 55% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-061 0504-31B | Bldg Q Roof Gravel Rolled-on Roof Core- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 2% 25% 73% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831156

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Received 05/08/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Date Sampled 05/04/2018

Sampled By Jorge Robles

Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|-------------------|--|-----|
| 1831156-062 0504-31C | Bldg Q Roof Gravel Rolled-on Roof Core- Paper, Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-063 0504-32A | Bldg Q Roof Gravel Rolled-on Roof Core- Capsheet, Gray/White/Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler | 10% 55% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-064 0504-32B | Bldg Q Roof Gravel Rolled-on Roof Core- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 2% 25% 73% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-065 0504-32C | Bldg Q Roof Gravel Rolled-on Roof Core- Paper, Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-066 0504-33A | Bldg Q Roof Gravel Rolled-on Roof Core- Capsheet, Gray/White/Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Quartz/Gravel Bituminous Matrix/Filler | 10% 55% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-067 0504-33B | Bldg Q Roof Gravel Rolled-on Roof Core- Layered Felt, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler | 25% 2% 73% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831156

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Received 05/08/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Date Sampled 05/04/2018

Sampled By Jorge Robles

Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--------------------------------------|------------|-------------------------|---------------------------------|
| 1831156-068 0504-33C | Bldg Q Roof Gravel Rolled-on Roof Core- Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-070 0504-34A | Bldg Q Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-071 0504-34B | Bldg Q Roof Parapet Roofing- Adhesive, White, Non-homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-072 0504-34C | Bldg Q Roof Parapet Roofing- Tar, Black, Homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-073 0504-35A | Bldg Q Roof Parapet Roofing, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-074 0504-35B | Bldg Q Roof Parapet Roofing- Adhesive, White, Non-homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831156-075 0504-35C | Bldg Q Roof Parapet Roofing- Tar, Black, Homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica
PO Number
WO Number

Report Number 1831156

Date Received 05/08/2018
Date Analyzed 05/10/2018
Date Reported 05/10/2018

Date Sampled 05/04/2018
Sampled By Jorge Robles
Total Samples 81

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------|--|-----|
| 1831156-076 0504-36A | Bldg Q Roof Parapet Roofing, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-077 0504-36B | Bldg Q Roof Parapet Roofing- Adhesive, White, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-078 0504-36C | Bldg Q Roof Parapet Roofing-Tar, Black, Homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-079 0504-37 | Bldg Q Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Binder/Filler | 20% 70% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-080 0504-38 | Bldg Q Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Binder/Filler | 20% 70% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831156-081 0504-39 | Bldg Q Roof Penetration Mastic, White/ Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Binder/Filler | 20% 65% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831156

Date Received 05/08/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Sampled 05/04/2018

Sampled By Jorge Robles

Total Samples 81

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--------------------------------|----------------------|----------------------------|-----|------------------|-----|
|-----------------------------|--------------------------------|----------------------|----------------------------|-----|------------------|-----|

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.

Analyst - Cristina Tabatt

Approved Signatory Cristina E. Tabatt



CHAIN OF CUSTODY



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(Lab) Order No. **1831156**

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|---------------------------|---|-----------------------------------|----------------------------------|
| Company | Alta Environmental | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input type="checkbox"/> | UPS <input type="checkbox"/> | Email <input type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input checked="" type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | BSC Group@altaenviro.com | 3 Day <input type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: | | |
| Email | | | | |

| PROJECT INFORMATION | |
|-------------------------------------|---------------------------------|
| Project Name: <u>JAMS</u> | PO Number: |
| Project Number: <u>SMSD-18-7674</u> | Work Order No.: |
| Location: <u>Santa Monica</u> | Sampled By: <u>Jorge Robles</u> |

| PLM | PCM | MOLD | LEAD (Pb) |
|--|--------------------------------------|--------------------------------------|--|
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input type="checkbox"/> STLC <input type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> |
| | | | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Avg Flow Rate | Volume (L) |
|-----------|--------------------------|-------------|--------------|------------|---------------|------------|
| DS04-01 | White capsheet roof core | Bldg A Roof | 5/4/18 | | | |
| -02 | ↓ | ↓ | ↓ | | | |
| -03 | ↓ | ↓ | ↓ | | | |
| -04 | White parapet roofing | | | | | |
| -05 | ↓ | ↓ | ↓ | | | |
| -06 | ↓ | ↓ | ↓ | | | |
| -07 | White penetration mastic | | | | | |
| -08 | ↓ | ↓ | ↓ | | | |
| -09 | ↓ | ↓ | ↓ | | | |
| -10 | White capsheet roof core | Bldg N Roof | ↓ | | | |

| | |
|-------------------------------|--------------------------------|
| Relinquished By: <u>JR</u> | Received By: <u>mmupnow</u> |
| Date/Time: <u>5/4/18 2200</u> | Date/Time: <u>5/8/18 08:00</u> |



CHAIN OF CUSTODY

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Company: ALTA Environmental

Project Number: SMSO-18-7674

Project Name: JAMS

(Lab) Order No. 1831156

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|----------------------------------|-------------|-----------------|-------------------------|------------------|---------------|
| 050-1-11 | white capsheet roof core | Bldg N Roof | 5/4/18 | | | |
| -12 | ↓ | ↓ | ↓ | | | |
| -13 | white parapet roofing | ↓ | ↓ | | | |
| -14 | ↓ | ↓ | ↓ | | | |
| -15 | ↓ | ↓ | ↓ | | | |
| -16 | white penetration mastic | ↓ | ↓ | | | |
| -17 | ↓ | ↓ | ↓ | | | |
| -18 | ↓ | ↓ | ↓ | | | |
| -19 | gravel collected on roof core | Bldg R Roof | ↓ | | | |
| -20 | ↓ | ↓ | ↓ | | | |
| -21 | ↓ | ↓ | ↓ | | | |
| -22 | white parapet roofing | ↓ | ↓ | | | |
| -23 | ↓ | ↓ | ↓ | | | |
| -24 | ↓ | ↓ | ↓ | | | |
| -25 | white penetration mastic | ↓ | ↓ | | | |
| -26 | ↓ | ↓ | ↓ | | | |
| -27 | ↓ | ↓ | ↓ | | | |
| -28 | white capsheet roof core | Bldg Q Roof | ↓ | | | |
| -29 | ↓ | ↓ | ↓ | | | |
| -30 | ↓ | ↓ | ↓ | | | |

Relinquished By: [Signature]

Date/Time: 5/7/18 2200

Relinquished By:

Date/Time:

Received By: [Signature]

Date/Time: 5/8/18 08:00

Received By:

Date/Time:



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Attn.: David Schack

Report Number 1831134

Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica, CA
PO Number
WO Number

Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By Jorge Robles
Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|------------------------|--|-----|
| 1831134-001 0503-01A | Bldg V Roof Roofing Core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 80% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-002 0503-01B | Bldg V Roof Felt, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Synthetic Fiber Cellulose Fiber Bituminous Matrix | 10% 5% 5% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-003 0503-01C | Bldg V Roof Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-004 0503-02A | Bldg V Roof Roofing Core - Capsheet, Black, Non-homogeneous Note: Sample consists of inseparable layers of Felt and Tar. | LAYER 1 100% | Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler | 5% 5% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-005 0503-02B | Bldg V Roof Roofing Paper (Two Layers), Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-006 0503-03A | Bldg V Roof Roofing Core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 80% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica, CA
PO Number
WO Number

Report Number 1831134

Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By Jorge Robles
Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------|-------------------------|---------------------------------|
| 1831134-007 0503-03B | Bldg V Roof Roofing Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-008 0503-03C | Bldg V Roof Felt, Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Bituminous Matrix/filler | 10% <1 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-009 0503-03D | Bldg V Roof Roofing Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-010 0503-04 | Bldg V Roof Parapet roofing, White/Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 65% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-011 0503-05 | Bldg V Roof Parapet roofing, White/Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 70% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-012 0503-06 | Bldg V Roof Parapet roofing, White/Black, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 15% 65% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica, CA
PO Number
WO Number

Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By Jorge Robles
Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|------------|--|-----|
| 1831134-013 0503-07A | Bldg V Roof Membrane, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-014 0503-07B | Bldg V Roof Mastic, White, Non-homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-015 0503-08A | Bldg V Roof Membrane, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-016 0503-08B | Bldg V Roof Mastic, White/Black, Non-homogeneous | LAYER 1 100% | Bituminous Material Adhesive Binders/Filler | 5% 95% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-017 0503-09A | Bldg V Roof Membrane, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-018 0503-09B | Bldg V Roof Mastic, White/Black, Non-homogeneous | LAYER 1 100% | Bituminous Material Adhesive Binders/Filler | 5% 95% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



1508 East 33rd Street
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Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: David Schack

Report Number 1831134

Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica, CA
PO Number
WO Number

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Date Reported 05/08/2018

Date Sampled 05/03/2018
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Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|------------------|------------------|-------------------------|
| 1831134-019 0503-10A | Bldg I Roof Rolled on roof core, Silver/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Metallic Paint Bituminous Matrix/Filler | 10% 5% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-020 0503-10B | Bldg I Roof Roofing Paper, Peach, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-021 0503-11A | Bldg I Roof Rolled on roofing core - Capsheet, Silver/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Metallic Paint Bituminous Matrix/Filler | 15% 5% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-022 0503-11B | Bldg I Roof Layered Felt/Tar, Black, Non- homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-023 0503-11C | Bldg I Roof Roofing Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-024 0503-12A | Bldg I Roof Rolled on roofing core, Silver/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Metallic Paint Bituminous Matrix/Filler | 10% 5% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Attn.: David Schack

Report Number 1831134

Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica, CA
PO Number
WO Number

Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By Jorge Robles
Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------------|------------------|----------------------|
| 1831134-025 0503-12B | Bldg I Roof Roofing Paper, Pink, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-026 0503-13 | Bldg I Roof Silver Parapet roofing, Black/Beige, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material | 15% 50% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-027 0503-14 | Bldg I Roof Silver Parapet roofing, Black/Beige, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material | 15% 50% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-028 0503-15 | Bldg I Roof Silver Parapet roofing, Black/Beige, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix Other Non-Fibrous Material | 15% 50% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-029 0503-16 | Bldg I Roof Penetration mastic, Silver/Black/White, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Metallic Paint Bituminous Matrix/Filler Other Non-Fibrous Material | 15% 5% 50% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-030 0503-17 | Bldg I Roof Penetration mastic, Silver/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Metallic Paint Bituminous Matrix/Filler | 15% 5% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831134

Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica, CA
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Date Sampled 05/03/2018
Sampled By Jorge Robles
Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|-------------------------|--|-----|
| 1831134-031 0503-18 | Bldg I Roof Penetration mastic, Silver/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Metallic Paint Bituminous Matrix/Filler | 15% 5% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-032 0503-19 | Bldg I Roof Penetration mastic, Black/White, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 15% 75% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-033 0503-20 | Bldg I Roof Penetration mastic, Black/White, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 15% 75% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-034 0503-21 | Bldg I Roof Penetration mastic, Black/White, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 15% 75% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-035 0503-22A | Bldg I Roof Roofing Core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 10% <1% 85% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-036 0503-22B | Bldg I Roof Roofing Felt, Black, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Bituminous Matrix/Filler | 20% 80% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1831134

Project Number SMSD-18-7674
Project Name JAMS
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Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By Jorge Robles
Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|------------------------|-------------------------|---------------------------------|
| 1831134-037 0503-22C | Bldg I Roof Roofing Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-038 0503-23A | Bldg O Roof Roofing core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 2% 85% 3% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-039 0503-23B | Bldg O Roof Roofing Paper, Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-040 0503-24A | Bldg O Roof Roofing Core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Fibrous Glass Bituminous Matrix/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-041 0503-24B | Bldg O Roof Roofing Core - Felt, Black, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Fibrous Glass Bituminous Matrix/Filler | 10% 5% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-042 0503-24C | Bldg O Roof Roofing Paper, Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica, CA
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WO Number

Report Number 1831134

Date Received 05/04/2018
Date Analyzed 05/08/2018
Date Reported 05/08/2018

Date Sampled 05/03/2018
Sampled By Jorge Robles
Total Samples 51

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|------------|-------------------------|---------------------------------|
| 1831134-043 0503-25A | Bldg O Roof Parapet roofing - Membrane, White, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-044 0503-25B | Bldg O Roof Adhesive, White/Black, Non- homogeneous | LAYER 1 100% | Bituminous Material Adhesive Binders/Filler | 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-045 0503-26A | Bldg O Roof Membrane, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-046 0503-26B | Bldg O Roof Adhesive, White/Black, Non- homogeneous | LAYER 1 100% | Bituminous Material Adhesive Binders/Filler | 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-047 0503-27A | Bldg O Roof Membrane, White, Non- homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831134-048 0503-27B | Bldg O Roof Adhesive, White/Black, Non- homogeneous | LAYER 1 100% | Bituminous Material Adhesive Binders/Filler | 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Attn.: David Schack

Report Number 1831134

Date Received 05/04/2018

Date Analyzed 05/08/2018

Date Reported 05/08/2018

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica, CA

PO Number

WO Number

Date Sampled 05/03/2018

Sampled By Jorge Robles

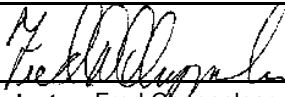
Total Samples 51

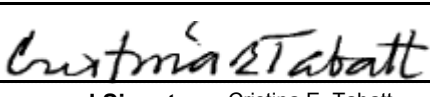
Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|-------------------|--|-----|
| 1831134-049 0503-28 | Bldg O Roof Penetration mastic, White/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Adhesive Binders/Filler | <1% 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-050 0503-29 | Bldg O Roof Penetration mastic, White/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Adhesive Binders/Filler | <1% 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831134-051 0503-30 | Bldg O Roof Penetration mastic, White/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix Adhesive Binders/Filler | <1% 50% 50% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.


Analyst - Fred Chappellear


Approved Signatory Cristina E. Tabatt


Lab Code 500044-0

(Lab) Order No. 1831124

| CUSTOMER INFORMATION | | | | Turnaround Time | Shipped By | Report Send Via: | |
|--|-----------------------------------|--------------------------------------|--------------|---|-----------------------------------|--|------------|
| Company | Alta Environmental | | | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> | |
| Address | 3777 Long Beach Boulevard | | | 1 Day <input type="checkbox"/> | UPS <input type="checkbox"/> | Email <input type="checkbox"/> | |
| City/State/Zip | Long Beach, CA 90807 | | | 2 Day <input checked="" type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> | |
| Contact | <u>BSC Group @altaenviron.com</u> | | | 3 Day <input type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> | |
| Office Phone | 562/ 495-5777 | | | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> | |
| Cell | | | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> | |
| Fax | 562/ 495-5877 | | | Special Instructions: | | | |
| Email | | | | | | | |
| PROJECT INFORMATION | | | | | | | |
| Project Name: <u>JAMS</u> | | | | PO Number: | | | |
| Project Number: <u>SMO-18-7674</u> | | | | Work Order No.: | | | |
| Location: <u>Santa Monica, CA</u> | | | | Sampled By: <u>Jorge Robles</u> | | | |
| PLM | | PCM | | MOLD | | LEAD (Pb) | |
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | | NIOSH 7400A <input type="checkbox"/> | | Spore Trap <input type="checkbox"/> | | Air <input type="checkbox"/> TTLC <input type="checkbox"/> | |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | | NIOSH 7400B <input type="checkbox"/> | | Tape Lift <input type="checkbox"/> | | Paint <input type="checkbox"/> STLC <input type="checkbox"/> | |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | | w/ TWA <input type="checkbox"/> | | Bulk Sample <input type="checkbox"/> | | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> | |
| Soil <input type="checkbox"/> | | | | | | | |
| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Stop Time | Avg Flow Rate | Volume (L) |
| 0503-01 | White capsheet roofing core | Bldg V Roof | 5/3/18 | | | | |
| -02 | ↓ | | | | | | |
| -03 | ↓ | | | | | | |
| -04 | white parapet roofing | | | | | | |
| -05 | ↓ | | | | | | |
| -06 | ↓ | | | | | | |
| -07 | white mastic | | | | | | |
| -08 | ↓ | | | | | | |
| -09 | ↓ | | | | | | |
| -10 | Silver rolled on roof core | | | | | | |
| Relinquished By: <u>Jorge Robles</u> | | | | Received By: <u>Imueknow</u> | | | |
| Date/Time: <u>5/3/18 2200</u> | | | | Date/Time: <u>5/4/18 08:00</u> | | | |

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services@AQenvlabs.com



Company: Alta Environmental
Project Number: SKSD-18-7674
Project Name: JAMS

(Lab) Order No. 1831134

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|-------------------------------|-------------|--------------|-------------------------|------------------|---------------|
| 0503-11 | silver rolled on roofing core | Bldg I Roof | 5/3/18 | | | |
| -12 | ↓ | ↓ | | | | |
| -13 | silver parapet roofing | | | | | |
| -14 | ↓ | | | | | |
| -15 | ↓ | | | | | |
| -16 | silver penetration mastic | | | | | |
| -17 | ↓ | | | | | |
| -18 | ↓ | | | | | |
| -19 | white penetration mastic | | | | | |
| -20 | ↓ | | | | | |
| -21 | ↓ | | | | | |
| -22 | white capsheet roofing core | Bldg U Roof | | | | |
| -23 | ↓ | | | | | |
| -24 | ↓ | | | | | |
| -25 | white parapet roofing | | | | | |
| -26 | ↓ | | | | | |
| -27 | ↓ | | | | | |
| -28 | white penetration mastic | | | | | |
| -29 | ↓ | | | | | |
| -30 | ↓ | | | | | |

Relinquished By: Jorge Rojas

Received By: OmniFlow

Date/Time: 5/3/18 2200

Date/Time: 5/4/18 08:00

Lab Forms
Ver. 082411



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Report Number 1831185

Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica
PO Number
WO Number

Date Received 05/09/2018
Date Analyzed 05/10/2018
Date Reported 05/10/2018

Date Sampled 05/09/2018
Sampled By Jorge Robles
Total Samples 37

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|------------------------|------------------|----------------------|
| 1831185-001 0508-01A | Bldg N Roof Rolled on Roof Core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material | 5% 5% 65% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-002 0508-01B | Bldg N Roof Rolled on Roof Core - Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 35% 5% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-003 0508-01C | Bldg N Roof Rolled on Roof Core - Insulation, Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-004 0508-02A | Bldg N Roof Rolled on Roof Core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material | 5% 5% 65% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-005 0508-02B | Bldg N Roof Rolled on Roof Core - Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Fillr | 25% 10% 65% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-006 0508-02C | Bldg N Roof Rolled on Roof Core - Insulation, Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Alta Environmental
3777 Long Beach Blvd.
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Attn.: David Schack

Report Number 1831185

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Received 05/09/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Date Sampled 05/09/2018

Sampled By Jorge Robles

Total Samples 37

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|------------------------|------------------|-------------------------|
| 1831185-007 0508-03A | Bldg N Roof Rolled on Roof Core - Capsheet, White/Black, Non-homogeneous | LAYER 1 100% | Synthetic Fiber Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material | 5% 5% 65% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-008 0508-03B | Bldg N Roof Rolled on Roof Core - Layered Felt/Tar, Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler | 35% 5% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-009 0508-03C | Bldg N Roof Rolled on Roof Core - Insulation, Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-010 0508-04 | Bldg N Roof Penetration Mastic, White/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 70% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-011 0508-05 | Bldg N Roof Penetration Mastic, White/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 70% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-012 0508-06 | Bldg N Roof Penetration Mastic, White/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix/Filler Other Non-Fibrous Material | 10% 70% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica
PO Number
WO Number

Report Number 1831185

Date Received 05/09/2018
Date Analyzed 05/10/2018
Date Reported 05/10/2018

Date Sampled 05/09/2018
Sampled By Jorge Robles
Total Samples 37

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|------------------------------|---|-------------------|-------------------------|-----------------------------|
| 1831185-013 0508-N2 | Bldg N (Library) Stucco, White/Green/Gray, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Quartz Other Non-Fibrous Material | 25% 40% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-014 0508-N3 | Bldg N (Library) Stucco, White/Green/Gray, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Quartz Other Non-Fibrous Material | 25% 40% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-015 0508-N4 | Bldg N (Library) Drywall, White/Brown, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Gypsum/Filler | 15% 85% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-016 0508-N5 | Bldg N (Library) Smooth Plaster, White/Beige, Non-homogeneous | LAYER 1 100% | Quartz Gypsum Other Non-Fibrous Material | 45% 40% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-017 0508-N5A | Bldg N (Library) Smooth Plaster, White/Beige, Non-homogeneous | LAYER 1 100% | Quartz Gypsum Other Non-Fibrous Material | 45% 40% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831185

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Received 05/09/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Date Sampled 05/09/2018

Sampled By Jorge Robles

Total Samples 37

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|------------------------------|--|-------------------|-------------------------|-----------------------------|
| 1831185-018 0508-N5B | Bldg N (Library) Smooth Plaster, White/Beige, Non-homogeneous | LAYER 1 100% | Quartz Gypsum Other Non-Fibrous Material | 45% 40% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-019 0508-N6A | Bldg N (Library) 1'x1' random peghole ceiling tile, White/Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-020 0508-N6B | Bldg N (Library) Mastic, Brown, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-021 0508-N7 | Bldg N (Library) Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-022 0508-N8 | Bldg N (Library) Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-023 0508-N9 | Bldg N (Library) Barrier Paper, Black, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Received 05/09/2018

Date Analyzed 05/10/2018

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Total Samples 37

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|--------------------------|-------------------------|-----------------------------|
| 1831185-024 0508-N10 | Bldg N (Library) Window Putty, Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-025 0508-N11 | Bldg N (Library) Window Putty, Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-026 0508-N12 | Bldg N (Library) Window Putty, Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-027 0508-N13A | Bldg N (Library) 12" fissured ceiling tile, White/Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 25% 20% 45% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-028 0508-N13B | Bldg N (Library) Mastic, Brown, Non-homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-029 0508-N14A | Bldg N (Library) 12" fissured ceiling tile, White/Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 25% 20% 45% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831185

Date Received 05/09/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Sampled 05/09/2018

Sampled By Jorge Robles

Total Samples 37

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|--------------------------|-------------------------|-----------------------------|
| 1831185-030 0508-N14B | Bldg N (Library) Mastic, Brown, Non-homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-031 0508-N15A | Bldg N (Library) 12" fissured ceiling tile, White/Gray, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Mineral Wool Perlite Binder/Filler | 25% 20% 45% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-032 0508-N15B | Bldg N (Library) Mastic, Brown, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-033 0508-N16 | Bldg N (Library) Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 4% 96% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-034 0508-N17 | Bldg N (Library) Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-035 0508-N18 | Bldg N (Library) Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Synthetic Fiber Binder/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Report Number 1831185

Date Received 05/09/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number SMSD-18-7674

Project Name JAMS

Location Santa Monica

PO Number

WO Number

Date Sampled 05/09/2018


Sampled By Jorge Robles


Total Samples 37

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|-------------------|------------------|----------------------|
| 1831185-036 0508-N19 | Bldg N (Library) Rough plaster, Beige, Homogeneous | LAYER 1 100% | Gypsum Quartz Other Non-Fibrous Material | 40% 45% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831185-037 0508-N20 | Bldg N (Library) Rough plaster, Beige, Homogeneous | LAYER 1 100% | Quartz Gypsum Other Non-Fibrous Material | 45% 40% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |

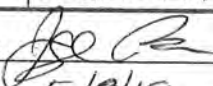
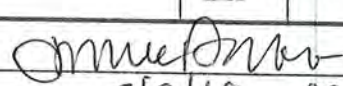
Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.


Analyst - Fred Chappellear


Approved Signatory Cristina E. Tabatt


Lab Code 500044-0

(Lab) Order No. **1831185**

| CUSTOMER INFORMATION | | | | Turnaround Time | Shipped By | Report Send Via: | |
|--|------------------------------------|---|--------------|--|-----------------------------------|--|------------|
| Company | Alta Environmental | | | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> | |
| Address | 3777 Long Beach Boulevard | | | 1 Day <input checked="" type="checkbox"/> | UPS <input type="checkbox"/> | Email <input type="checkbox"/> | |
| City/State/Zip | Long Beach, CA 90807 | | | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> | |
| Contact | BSC Group @altaenviron.com | | | 3 Day <input type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> | |
| Office Phone | 562/ 495-5777 | | | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> | |
| Cell | | | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> | |
| Fax | 562/ 495-5877 | | | Special Instructions: | | | |
| Email | | | | | | | |
| PROJECT INFORMATION | | | | | | | |
| Project Name: JAMS | | | | PO Number: | | | |
| Project Number: 3MSD-18-7674 | | | | Work Order No.: | | | |
| Location: Santa Monica | | | | Sampled By: Jorge Robles | | | |
| PLM PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | | PCM NIOSH 7400A <input type="checkbox"/> NIOSH 7400B <input type="checkbox"/> w/ TWA <input type="checkbox"/> | | MOLD Spore Trap <input type="checkbox"/> Tape Lift <input type="checkbox"/> Bulk Sample <input type="checkbox"/> | | LEAD (Pb) Air <input type="checkbox"/> TTLC <input type="checkbox"/> Paint <input type="checkbox"/> STLC <input type="checkbox"/> Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> Soil <input type="checkbox"/> | |
| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Stop Time | Avg Flow Rate | Volume (L) |
| 0508-01 | white capsheet rolled on roof core | Bldg N Roof | 5/8/18 | | | | |
| -02 | ↓ | ↓ | ↓ | | | | |
| -03 | ↓ | ↓ | | | | | |
| -04 | white penetration mastic | ↓ | | | | | |
| -05 | ↓ | ↓ | | | | | |
| -06 | ↓ | ↓ | | | | | |
| -N2 | Stucco | Bldg N (Library) | | | | | |
| -N3 | ↓ | ↓ | | | | | |
| -N4 | Drywall | ↓ | | | | | |
| -N5 | Smooth Plaster | ↓ | | | | | |
| Relinquished By:  | | | | Received By:  | | | |
| Date/Time: 5/9/18 0916 | | | | Date/Time: 5/9/18 0916 | | | |



CHAIN OF CUSTODY

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services@AQenvlabs.com

Company: ALTA Environmental

Project Number: SM50-18-7674

Project Name: JAMS

(Lab) Order No. 1831185

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|--|------------------|-----------------|-------------------------|------------------|---------------|
| 0508-N5A | Smooth Plaster | Bldg N (Library) | 5/8/18 | | | |
| -N5B | ↓ | | | | | |
| -N6 | 1x1' random peghole ceiling tile w/mastic | | | | | |
| -N7 | Barrier Paper | | | | | |
| -N8 | ↓ | | | | | |
| -N9 | ↓ | | | | | |
| -N10 | window putty | | | | | |
| -N11 | ↓ | | | | | |
| -N12 | ↓ | | | | | |
| -N13 | 12" Fissured ceiling tile w/mastic | | | | | |
| -N14 | ↓ | | | | | |
| -N15 | ↓ | | | | | |
| -N16 | Duct Sealant | | | | | |
| -N17 | ↓ | | | | | |
| -N18 | ↓ | | | | | |
| -N19 | Rough Plaster | | | | | |
| -N20 | ↓ | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Relinquished By: Joe R

Date/Time: 5/9/18 0916

Relinquished By:

Date/Time:

Received By: James Dur

Date/Time: 5/9/18 09:16

Received By:

Date/Time:



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Alta Environmental
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Report Number 1831186

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Received 05/09/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Date Sampled 05/08/2018

Sampled By F. Ruvalcaba

Total Samples 16

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|------------------------|-------------------------|---------------------------------|
| 1831186-001 R-1A | Bldg R 1'x1' random peghole ceiling tile, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Perlite Binder/Filler | 55% <1 40% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-002 R-1B | Bldg R Mastic, Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-003 R-2A | Bldg R 1'x1' random peghole ceiling tile, White/ Beige, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Fibrous Glass Perlite Binder/Filler | 55% <1 40% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-004 R-2B | Bldg R Mastic, Brown, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-005 R-3 | Bldg R Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-006 R-4 | Bldg R Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Project Name JAMS HVAC/Fire Alarm Project

Location

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Date Sampled 05/08/2018

Sampled By F. Ruvalcaba

Total Samples 16

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--------------------------------------|------------|------------------|----------------------|
| 1831186-007 R-5 | Bldg R Duct Sealant, Gray, Homogeneous | LAYER 1 100% | Organic Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-008 R-6A | Bldg R Tar Paper, Brown/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 45% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-009 R-6B | Bldg R Insulation, Pink/White, Homogeneous | LAYER 1 100% | Fibrous Glass Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-010 R-7A | Bldg R Tar Paper, Brown/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 45% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-011 R-7B | Bldg R Insulation, Pink/White, Homogeneous | LAYER 1 100% | Fibrous Glass Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-012 R-8A | Bldg R Tar Paper, Brown/Black, Non-homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 45% 55% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1831186-013 R-8B | Bldg R Insulation, Pink/White, Non-homogeneous | LAYER 1 100% | Fibrous Glass Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: David Schack

Report Number 1831186

Date Received 05/09/2018

Date Analyzed 05/10/2018

Date Reported 05/10/2018

Project Number SMSD-18-7674

Project Name JAMS HVAC/Fire Alarm Project

Location

PO Number

WO Number

Date Sampled 05/08/2018

Sampled By F. Ruvalcaba

Total Samples 16

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--------------------------------------|------------|--|-----|
| 1831186-014 R-9 | Bldg R Barrier Paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831186-015 R-10 | Bldg R Barrier Paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1831186-016 R-11 | Bldg R Barrier Paper, Black/ Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Bituminous Matrix | 70% 30% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.

Analyst - Cristina Tabatt

Approved Signatory Cristina E. Tabatt





1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS/HVAC Fire
Location: Alarm Project

Report Number: 1831187

Date Received: 5/9/2018
Date Analyzed: 5/9/2018
Date Reported: 5/10/2018

Date Sampled: 5/8/2018
Sampled By: F. Ruvalcaba
Total Samples: 8

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg Pb

Lead (Pb) in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|---------------------------------|----------------------|-----------------------------------|
| 1831187-001 PC-R1 | Drywall (White) - Building R | 0.0658 | < 76 |
| 1831187-002 PC-R2 | Stucco (White) - Building R | 0.1091 | < 46 |
| 1831187-003 PC-R3 | Metal (Green) - Building R | 0.1006 | 1200 |
| 1831187-004 PC-N1 | Wall Drywall White - Bldg N | 0.1000 | < 50 |
| 1831187-005 PC-N2 | Wall PlasterWhite - Bldg N | 0.1037 | 620 |
| 1831187-006 PC-N3 | Wall Stucco White - Bldg N | 0.1025 | 2600 |
| 1831187-007 PC-N4 | Flashing Metal Green - Bldg N | 0.1018 | 33,000 |
| 1831187-008 PC-N5 | Window Case Wood White - Bldg N | 0.1085 | 8300 |

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY



1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(PLM) (Pb)
(Lab) Order No. 1831186/1831187

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|---------------------------------|---|-----------------------------------|----------------------------------|
| Company | Alta Environmental | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input checked="" type="checkbox"/> | UPS <input type="checkbox"/> | Email <input type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | David Schack | 3 Day <input type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | 310/ 951-9482 | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: * PC = Paint chip samples only | | |
| Email | david.schack@altaenviron.com | | | |
| | therese.rizarri@altaenviron.com | | | |

| PROJECT INFORMATION | |
|--|---------------------|
| Project Name: JAMS HVAC/Fire Alarm Project | PO Number: |
| Project Number: SMSD-18-7674 | Work Order No.: |
| Location: | Sampled By: F. Ruck |

| PLM | PCM | MOLD | LEAD (Pb) |
|--|--------------------------------------|--------------------------------------|---|
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input checked="" type="checkbox"/> STLC <input type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> |
| | | | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Avg Flow Rate | Volume (L) |
|-----------|--|----------|--------------|------------|---------------|------------|
| R-1 | 1x1 random Peghole ceiling tile w/Mastic | Bldg R | 05-08-18 | | | |
| 2 | I | | | | | |
| 3 | Grey Duct Section 1 | | | | | |
| 4 | I | | | | | |
| 5 | I | | | | | |
| 6 | Black Tar Paper w/Fiber Glass Insulation | | | | | |
| 7 | I | | | | | |
| 8 | I | | | | | |
| 9 | Barrier Paper | | | | | |
| 10 | I | | | | | |

| | |
|------------------------------|--------------------------|
| Relinquished By: [Signature] | Received By: [Signature] |
| Date/Time: 5-9-18 09:16 | Date/Time: 5/9/18 09:16 |

Lab Forms
Ver. 082411

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com



Analysis:

TAT:

(Lab) Order No. 1831186/1831187

[illegible]

Relinquished By:

Received By:

Date/Time:

Date/Time:

Lab Forms
Ver. 082411

Appendix C

Field Bulk Sample List: Lead

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building A

[illegible]

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building U

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-----------|------------|-----------|-------------|----------------------------------|---|---------------|--------|---------------------|
| Wall | PC-U1 | Plaster | White | Room 10 - northeast | Room 10 - 12 | 100 | No | N/A |
| Wall | PC-U2 | Drywall | White | Attendance office - north center | Room 10-12 nurses station, community liaison, attendances office area | 49 | No | N/A |
| Wall | PC-U3 | Stucco | White | Exterior - northeast | Exterior walls (10-12) | 320 | No | N/A |
| Flashing | PC-U4 | Metal | Green | Exterior southeast | Exterior | 130,000 | No | N/A |
| Wall | PC-U5 | Stucco | White | Exterior southwest | Exterior - new west additions area | <49 | No | N/A |

Note: doors, floors, restroom ceramic were not inspected. Only walls and windows

Note: windows are new vinyl/aluminum frames

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building V

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-----------|------------|-----------|-------------|----------------------------|--|---------------|--------|---------------------|
| Wall | PC-V1 | Drywall | White | Room 24 - closet southwest | Room 22, 24 (heater closet), room 24A, room 24 restroom, | 50 | No | N/A |
| Wall | PC-V2 | Plaster | White | Room 22 - east center | Restroom 22, 24, 24A, 24 restroom walls and ceilings | 230 | No | N/A |
| Wall | PC-V3 | Stucco | White | Exterior - northeast | Exterior | 770 | No | N/A |
| Flashing | PC-V4 | Metal | Green | Exterior - north center | Exterior | 96,000 | No | N/A |

Note: new vinyl windows

Note: floors, doors/casings, were not inspected, ceramic not inspected, cabinets not inspected

Note: only walls (interior and exterior)

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building R

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|---|------------|-----------|-------------|------------------------------|---------------------------|---------------|--------|---------------------|
| Wall | PC-R1 | Drywall | White | Room 18 - southeast | Interior walls throughout | <76 | No | N/A |
| Wall | PC-R2 | Stucco | White | Room 18 - exterior northeast | Exterior walls | <46 | No | N/A |
| Flashing | PC-R3 | Metal | Green | Room 18 - exterior southeast | Exterior | 1,200 | No | N/A |
| Note: Only interior/exterior walls were inspected | | | | | | | | |
| Note: doors, casings, ceramic, not inspected | | | | | | | | |
| Note: windows are new vinyl type | | | | | | | | |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building P

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-----------|------------|-----------|-------------|----------------------------------|--|---------------|--------|---------------------|
| Wall | PC-P1 | Drywall | White | Room 54 at entry | Interior walls 54-47, boys restroom, storage room, janitor's closet, rooms 44-47 | <47 | No | N/A |
| Wall | PC-P2 | Plaster | White | Room 45 north center | Interior walls 54-47, boys restroom, storage room, janitor's closet, rooms 44-47 | 500 | No | N/A |
| Wall | PC-P3 | Stucco | White | Exterior northeast at room 47 | Exterior wall | 1,400 | No | N/A |
| Window | PC-P4 | Wood | White | Exterior west center at room 47 | Interior/exterior an original wood windows | 1,100 | No | N/A |
| Flashing | PC-P5 | Metal | Green | Exterior north center at room 56 | Exterior north center | 20,000 | No | N/A |

Note: new vinyl windows throughout

Note: doors, casings, and floors not in scope of work

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building S

[illegible]

MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building T

[illegible]

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building B

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-------------|------------|-----------|-------------|--|---|---------------|--------|---------------------|
| Wall | PC-B1 | Plaster | White | Kitchen southwest | Interior walls ceilings throughout | 2,300 | No | N/A |
| Wall | PC-B2 | Plaster | White | Kitchen hallway by southeast restrooms | Interior walls - kitchen hallways and restrooms | <48 | No | N/A |
| Wall | PC-B3 | Drywall | White | Eating area 1 northwest | Interior walls throughout patch work | 7,500 | No | N/A |
| Window case | PC-B4 | Wood | White | Eating area 1 west center | Interior/exterior original wood windows | 91,000 | No | N/A |
| Wall | PC-B5 | Stucco | White | Exterior north center | Exterior | <47 | No | N/A |
| Flashing | PC-B6 | Metal | Green | Exterior northwest | Exterior | 99 | No | N/A |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building H

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-------------|------------|-----------|-------------|----------------------------|---|---------------|--------|------------------------|
| Wall | PC-H1 | Drywall | White | Room 3 northeast at closet | Interior walls and sections at ceiling throughout | <49 | No | N/A |
| Wall | PC-H2 | Stucco | White | Exterior southeast | Exterior | <47 | No | N/A |
| Window case | PC-H3 | Metal | White | Room 2 west center | Interior/exterior windows | 4,000 | No | N/A |
| Flashing | PC-H4 | Metal | Green | Exterior southwest | Exterior | 57 | No | N/A |

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building L

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-------------|------------|-----------|-------------|-----------------------------------|---|---------------|--------|---------------------|
| Wall | PC-L1 | Drywall | White | Interior room 72 southwest | Interior walls throughout | 58 | No | N/A |
| Window case | PC-L2 | Metal | White | Interior room 70A south center | Interior/exterior windows | <49 | No | N/A |
| Beam | PC-L3 | Metal | White | Room 73 center above drop ceiling | Interior structural beams, columns, trusses rooms 70-73 | 2,100 | No | N/A |
| Deck | PC-L4 | Metal | White | Room 73 center above drop ceiling | Interior decking above drop ceiling room 70-73 | 2,100 | No | N/A |
| Wall | PC-L5 | Stucco | White | Exterior northeast corner | Exterior walls | 200 | No | N/A |
| Window case | PC-L6 | Metal | Green | Exterior north center | Exterior windows | <63 | No | N/A |
| Flashing | PC-L7 | Metal | Green | Exterior north center | Exterior flashing, gutters | 49 | No | N/A |

Note: doors and casing will not be impacted for this project

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building F

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-------------|------------|-----------|-------------|-------------------------------|--|---------------|--------|---------------------|
| Wall | PC-6 | Drywall | White | Southwest wall - classroom 84 | Interior walls | <50 | No | N/A |
| Wall | PC-7 | Stucco | White | West center exterior wall | Exterior walls | <49 | No | N/A |
| Ceiling | PC-8 | Metal | White | South center ceiling room 84 | Interior all rooms, closets, restrooms | <48 | No | N/A |
| Flashing | PC-9 | Metal | White | Northeast exterior corner | Exterior | <110 | No | N/A |
| Window case | PC-10 | Metal | Gray | West center exterior | Exterior/interior | <82 | No | N/A |

Note: door, casing, walkway ceiling not inspected

Note: restroom ceramic will not be impacted

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building E

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-------------|------------|-----------|-------------|---------------------------|---|---------------|--------|------------------------|
| Wall | PC-11 | Drywall | White | Southeast wall room 87 | Interior walls | <49 | No | N/A |
| Wall | PC-12 | Stucco | White | West center exterior wall | Exterior walls | <47 | No | N/A |
| Ceiling | PC-13 | Metal | White | Southwest center ceiling | Interior all rooms, closets, restrooms | <49 | No | N/A |
| Flashing | PC-14 | Metal | White | North center exterior | Exterior walls | <69 | No | N/A |
| Window case | PC-15 | Metal | Gray | West center exterior | Interior/exterior | <85 | No | N/A |

Note: door, casing, walkway ceiling will not be impacted

Note: restroom ceramics will not be impacted

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building G

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-------------|------------|-----------|----------------------|-----------------------------|--|---------------|--------|---------------------|
| Wall | PC-1 | Drywall | White | Southeast wall - room 80 | Interior walls throughout | <50 | No | N/A |
| Wall | PC-2 | Stucco | White | Southwest wall exterior | Exterior walls | <50 | No | N/A |
| Ceiling | PC-3 | Metal | White | South center ceiling | Interior all rooms, closets, restrooms | 85 | No | N/A |
| Flashing | PC-4 | Metal | White | Exterior east center | Exterior | <81 | No | N/A |
| Window case | PC-5 | Metal | Gray (powder coated) | Exterior window west center | Interior/exterior | <130 | No | N/A |

Note: door, casing will not be impacted

Note: walkway ceiling will not be impacted

Note: restroom ceramic will not be impacted

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building Q

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|---------------|------------|-----------|-------------|-----------------------------------|---|---------------|--------|---------------------|
| Wall | PC-Q1 | Drywall | White | Main office, center | Interior walls throughout section at ceilings | 55 | No | N/A |
| Wall | PC-Q2 | Plaster | White | Room 32, north center | Interior walls throughout section at ceilings | 460 | No | N/A |
| Wall | PC-Q3 | Stucco | White | Exterior, northwest | Exterior walls | 69,000 | No | N/A |
| Flashing | PC-Q4 | Metal | Green | Exterior, south center | Exterior | 14,000 | No | N/A |
| Window casing | PC-Q5 | Wood | White | Exterior, west center at room 15B | Exterior- on original wood window frames | 3,000 | No | N/A |

Note: New vinyl windows installed throughout. No paint.

Note: Door, casings, floors, ceramic walls not tested. Not in scope of work

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica Malibu USD
PROJECT NO: SMSD-18-7674
PROJECT NAME: John Adams Middle School

Building N

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|---------------|------------|-----------|-------------|------------------------|--|---------------|--------|---------------------|
| Wall | PC-N1 | Drywall | White | Library, southeast | Interior throughout product (walls/ceilings) Library only | <50 | No | N/A |
| Wall | PC-N2 | Plaster | White | Library, west center | Interior throughout product (walls/ceilings) Library only | 620 | No | N/A |
| Wall | PC-N3 | Stucco | White | Exterior, southwest | Exterior walls | 2,600 | No | N/A |
| Flashing | PC-N4 | Metal | Green | Exterior, southwest | Exterior | 33,000 | No | N/A |
| Window casing | PC-N5 | Wood | White | Exterior, north center | Interior/exterior on original wood windows | 8,300 | No | N/A |

Notes: Only interior/exterior walls, ceilings, roofs were inspected

Notes: Door, casings, ceramics were not inspected

Notes: windows are new vinyl. Not painted

Appendix D

Laboratory Analytical Report: Lead



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS HVAC/Fire
Location: Alarm Project

Report Number: 1831132

Date Received: 5/4/2018
Date Analyzed: 5/8/2018
Date Reported: 5/8/2018

Date Sampled: 5/2/2018
Sampled By: F. Ruvalcaba
Total Samples: 26

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg

Lead (Pb) in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|---------------------------------|----------------------|-----------------------------------|
| 1831132-001 PC-S1 | Wall Plaster White - Bldg S | 0.1044 | 910 |
| 1831132-002 PC-S2 | Wall Drywall White - Bldg S | 0.1072 | < 47 |
| 1831132-003 PC-S3 | Wall Stucco White - Bldg S | 0.1039 | < 48 |
| 1831132-004 PC-S4 | Flashing Metal Green - Bldg S | 0.1057 | 510 |
| 1831132-005 PC-S5 | Window Wood White - Bldg S | 0.1081 | 1100 |
| 1831132-006 PC-P1 | Wall Drywall White - Bldg P/N | 0.1074 | < 47 |
| 1831132-007 PC-P2 | Wall Plaster White - Bldg P/N | 0.0932 | 500 |
| 1831132-008 PC-P3 | Wall Stucco White - Bldg P/N | 0.1001 | 1400 |
| 1831132-009 PC-P4 | Window Wood White - Bldg P/N | 0.1048 | 1100 |
| 1831132-010 PC-P5 | Flashing Metal Green - Bldg P/N | 0.1089 | 20,000 |
| 1831132-011 PC-B1 | Wall Plaster White - Bldg B | 0.1061 | 2300 |
| 1831132-012 PC-B2 | Wall Plaster White - Bldg B | 0.1045 | < 48 |



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Report Number: 1831132

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS HVAC/Fire
Location: Alarm Project

Lead in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|----------------------------------|----------------------|-----------------------------------|
| 1831132-013 PC-B3 | Wall Drywall White - Bldg B | 0.1050 | 7500 |
| 1831132-014 PC-B4 | Window Wood White - Bldg B | 0.1008 | 91,000 |
| 1831132-015 PC-B5 | Wall Stucco White - Bldg B | 0.1066 | < 47 |
| 1831132-016 PC-B6 | Flashing Metal Green - Bldg B | 0.1013 | 99 |
| 1831132-017 PC-H1 | Wall Drywall White - Bldg H | 0.1012 | < 49 |
| 1831132-018 PC-H2 | Wall Stucco White - Bldg H | 0.1055 | < 47 |
| 1831132-019 PC-H3 | Window Case Metal White - Bldg H | 0.1051 | 4000 |
| 1831132-020 PC-H4 | Flashing Metal Green - Bldg H | 0.0923 | 57 |
| 1831132-021 PC-T1 | Wall Drywall White - Bldg T | 0.1014 | < 49 |
| 1831132-022 PC-T2 | Wall Plaster White - Bldg T | 0.1007 | 2400 |
| 1831132-023 PC-T3 | Wall Stucco White - Bldg T | 0.1080 | 790 |
| 1831132-024 PC-T4 | Flashing Metal Green - Bldg T | 0.1000 | 10,000 |
| 1831132-025 PC-T5 | Window Case Wood White - Bldg T | 0.1021 | 4200 |
| 1831132-026 PC-T6 | Window Case Wood Green - Bldg T | 0.1072 | 22,000 |

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823


Approved Signatory- Cristina E. Tabal

CHAIN OF CUSTODY



1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. **1831132**

| CUSTOMER INFORMATION | | | | Turnaround Time | | Shipped By | | Report Send Via: | |
|---|---------------------------------|--------------------------------------|--------------|--------------------------------------|-------------------------------------|---|-------------------------------------|------------------|-------------------------------------|
| Company | Alta Environmental | | | Same Day | <input type="checkbox"/> | Fedex | <input type="checkbox"/> | Web | <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | | | 1 Day | <input type="checkbox"/> | UPS | <input type="checkbox"/> | Email | <input checked="" type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | | | 2 Day | <input checked="" type="checkbox"/> | USPS | <input type="checkbox"/> | Fax | <input type="checkbox"/> |
| Contact | David Schack | | | 3 Day | <input type="checkbox"/> | Drop Off | <input checked="" type="checkbox"/> | Verbal | <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | | | 5 Day | <input type="checkbox"/> | Drop Box | <input type="checkbox"/> | Mail | <input type="checkbox"/> |
| Cell | 310/ 951-9482 | | | Weekend | <input type="checkbox"/> | Other | <input type="checkbox"/> | Pick up | <input type="checkbox"/> |
| Fax | 562/ 495-5877 | | | Special Instructions: | | | | | |
| Email | david.schack@altaenviron.com | | | | | | | | |
| | therese.rizarri@altaenviron.com | | | | | | | | |
| PROJECT INFORMATION | | | | | | | | | |
| Project Name: JAMS HVAC/Fire Alarm Project | | | | PO Number: | | | | | |
| Project Number: SM5D-18-7674 | | | | Work Order No.: | | | | | |
| Location: | | | | Sampled By: f. P. ... | | | | | |
| PLM | | PCM | | MOLD | | LEAD (Pb) | | | |
| PLM EPA 600/R-93/116 <input type="checkbox"/> | | NIOSH 7400A <input type="checkbox"/> | | Spore Trap <input type="checkbox"/> | | Air <input type="checkbox"/> TTLC <input type="checkbox"/> | | | |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | | NIOSH 7400B <input type="checkbox"/> | | Tape Lift <input type="checkbox"/> | | Paint <input checked="" type="checkbox"/> STLC <input type="checkbox"/> | | | |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | | w/ TWA <input type="checkbox"/> | | Bulk Sample <input type="checkbox"/> | | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> | | | |
| Soil <input type="checkbox"/> | | | | | | | | | |
| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Stop Time | Avg Flow Rate | Volume (L) | | |
| PC-S1 | wall plaster white | Bldg S | 5-2-18 | | | | | | |
| S2 | wall Drywall white | | | | | | | | |
| S3 | wall stucco white | | | | | | | | |
| S4 | flushing Metal Green | | | | | | | | |
| S5 | window Wood white | | | | | | | | |
| PC-P1 | wall Drywall white | Bldg P/N | | | | | | | |
| P2 | wall plaster white | | | | | | | | |
| P3 | wall stucco white | | | | | | | | |
| P4 | window wood white | | | | | | | | |
| P5 | flushing Metal Green | | | | | | | | |
| Relinquished By: [Signature] | | | | Received By: [Signature] | | | | | |
| Date/Time: 5-4-18 | | | | Date/Time: 5/4/18 1050 | | | | | |

CHAIN OF CUSTODY

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| | |
|------------------------|------------------------------|
| Company: | Alta Environmental |
| Project Number: | JAMS HVAC/Fire Alarm Project |
| Project Name: | SM5D-18-7674 |

Analysis:

TAT:

(Lab) Order No. 1831132

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|-------------------------|----------|-----------------|-------------------------|------------------|---------------|
| PC-B1 | wall Plaster white | Bldg B | 5-2-18 | | | |
| B2 | ↓ ↓ white | | | | | |
| B3 | wall Drywall white | | | | | |
| B4 | window wood white | | | | | |
| B5- | wall stucco white | | | | | |
| B6 | Flashing Metal Green | | | | | |
| PC-H1 | wall Drywall white | Bldg H | | | | |
| H2 | wall stucco white | | | | | |
| H3 | Window Case Metal white | | | | | |
| H4 | Flashing Metal Green | | | | | |
| PC-T1 | wall Drywall white | Bldg T | 5-3-18 | | | |
| T2 | wall Plaster white | | | | | |
| T3 | wall stucco white | | | | | |
| T4 | Flashing Metal Green | | | | | |
| T5- | Window Case wood white | | | | | |
| T6 | ↓ ↓ Green | | | | | |
| | | | | | | |
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| | |
|-------------------|------------------------|
| Relinquished By: | Received By: |
| Date/Time: 5-4-18 | Date/Time: 5/4/18 1050 |



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS HVAC/Fire
Location: Alarm Project

Report Number: 1831141

Date Received: 5/3/2018
Date Analyzed: 5/8/2018
Date Reported: 5/8/2018

Date Sampled: 5/1/2018
Sampled By: F.R.
Total Samples: 22

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg

Lead (Pb) in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|---------------------------------|----------------------|-----------------------------------|
| 1831141-001 PC-1 | Wall Drywall White - Bldg G | 0.1010 | < 50 |
| 1831141-002 PC-2 | Wall Stucco White - Bldg G | 0.1001 | < 50 |
| 1831141-003 PC-3 | Ceiling Metal White - Bldg G | 0.1056 | 85 |
| 1831141-004 PC-4 | Flashing Metal White - Bldg G | 0.0618 | < 81 |
| 1831141-005 PC-5 | Window Case Metal Gray - Bldg G | 0.0383 | < 130 |
| 1831141-006 PC-6 | Wall Drywall White - Bldg F | 0.1009 | < 50 |
| 1831141-007 PC-7 | Wall Stucco White - Bldg F | 0.1011 | < 49 |
| 1831141-008 PC-8 | Ceiling Metal White - Bldg F | 0.1034 | < 48 |
| 1831141-009 PC-9 | Flashing Metal White - Bldg F | 0.0456 | < 110 |
| 1831141-010 PC-10 | Window Case Metal Gray - Bldg F | 0.0613 | < 82 |
| 1831141-011 PC-11 | Wall Drywall White - Bldg E | 0.1012 | < 49 |
| 1831141-012 PC-12 | Wall Stucco White - Bldg E | 0.1074 | < 47 |



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Report Number: 1831141

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS HVAC/Fire
Location: Alarm Project

Lead in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|----------------------------------|----------------------|-----------------------------------|
| 1831141-013 PC-13 | Ceiling Metal White - Bldg E | 0.1019 | < 49 |
| 1831141-014 PC-14 | Flashing Metal White - Bldg E | 0.0722 | < 69 |
| 1831141-015 PC-15 | Window Case Metal Gray - Bldg E | 0.0591 | < 85 |
| 1831141-016 PC-L1 | Wall Drywall White - Bldg L | 0.1073 | 58 |
| 1831141-017 PC-L2 | Window Case Metal White - Bldg L | 0.1025 | < 49 |
| 1831141-018 PC-L3 | Beam Metal White - Bldg L | 0.1007 | 2100 |
| 1831141-019 PC-L4 | Deck Metal White - Bldg L | 0.1021 | 2100 |
| 1831141-020 PC-L5 | Wall Stucco White - Bldg L | 0.1034 | 200 |
| 1831141-021 PC-L6 | Window Case Metal Green - Bldg L | 0.0796 | < 63 |
| 1831141-022 PC-L7 | Flashing Metal Green - Bldg L | 0.1025 | 49 |

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

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(Lab) Order No. 1831141

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|---------------------------------|---|-----------------------------------|---|
| Company | Alta Environmental | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input type="checkbox"/> | UPS <input type="checkbox"/> | Email <input checked="" type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | David Schack | 3 Day <input checked="" type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | 310/ 951-9482 | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: | | |
| Email | david.schack@altaenviron.com | | | |
| | therese.rizarri@altaenviron.com | | | |

| PROJECT INFORMATION | |
|--|-----------------------|
| Project Name: JAMS HVAC/Fire Alarm Project | PO Number: _____ |
| Project Number: <u>SM5D-18-7674</u> | Work Order No.: _____ |
| Location: _____ | Sampled By: <u>FR</u> |

| PLM | PCM | MOLD | LEAD (Pb) |
|--|--------------------------------------|--------------------------------------|---|
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input checked="" type="checkbox"/> STLC <input type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> |
| | | | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Avg | Volume (L) |
|-----------|------------------------|----------|--------------|------------|-----------|------------|
| | | | | Stop Time | Flow Rate | |
| PC-1 | wall Drywall white | Bldg G | 5-31-18 | | | |
| 2 | wall stucco white | | | | | |
| 3 | ceiling Metal white | | | | | |
| 4 | flooring Metal white | | | | | |
| 5 | window case Metal gray | | | | | |
| 6 | wall Drywall white | Bldg F | | | | |
| 7 | wall stucco white | Bldg F | | | | |
| 8 | ceiling Metal white | | | | | |
| 9 | flooring Metal white | | | | | |
| 10 | window case Metal gray | | | | | |

| | |
|-------------------------------------|---------------------------------|
| Relinquished By: <u>[Signature]</u> | Received By: <u>[Signature]</u> |
| Date/Time: <u>5-3-18</u> | Date/Time: <u>5/3/18 13:00</u> |

CHAIN OF CUSTODY

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SM5D-18-7674

Analysis:

TAT:

(Lab) Order No. 1831141

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|----------------------|----------|-----------------|-------------------------|------------------|---------------|
| PC-11 | wall Drywall white | Bldg E | 5-1-18 | | | |
| 12 | wall stucco white | | | | | |
| 13 | Ceiling Metal white | | | | | |
| 14 | floor Metal white | | | | | |
| 15 | windows Metal Gray | | | | | |
| 16 | | | | | | |
| PC-L1 | wall Drywall white | Bldg L | 5-01-18 | | | |
| L2 | windows Metal white | | | | | |
| L3 | Beam Metal white | | | | | |
| L4 | Deck Metal white | | | | | |
| L5 | wall stucco white | | | | | |
| L6 | windows Metal Green | | | | | |
| L7 | flooring Metal Green | | | | | |
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Relinquished By: [Signature] Received By: [Signature]

Date/Time: 5-3-18 Date/Time: 5/3/18 13:00

Lab Forms
Ver. 082411



1508 East 33rd Street
Signal Hill, CA 90755
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Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS - Bldg U
Location:

Report Number: 1831167

Date Received: 5/8/2018
Date Analyzed: 5/9/2018
Date Reported: 5/9/2018

Date Sampled: 5/7/2018, 5/4/2018
Sampled By: F. Ruvalcaba
Total Samples: 20

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg

Lead (Pb) in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|---------------------------------|----------------------|-----------------------------------|
| 1831167-001 PC-U1 | Wall Plaster White - Bldg U | 0.1009 | 100 |
| 1831167-002 PC-U2 | Wall Drywall White - Bldg U | 0.1014 | 49 |
| 1831167-003 PC-U3 | Wall Stucco White - Bldg U | 0.1010 | 320 |
| 1831167-004 PC-U4 | Flashing Metal Green - Bldg U | 0.1067 | 130,000 |
| 1831167-005 PC-U5 | Wall Stucco White - Bldg U | 0.1028 | < 49 |
| 1831167-006 PC-Q1 | Wall Drywall White - Bldg Q | 0.1007 | 55 |
| 1831167-007 PC-Q2 | Wall Plaster White - Bldg Q | 0.1023 | 460 |
| 1831167-008 PC-Q3 | Wall Stucco White - Bldg Q | 0.1031 | 69,000 |
| 1831167-009 PC-Q4 | Flashing Metal Green - Bldg Q | 0.1018 | 14,000 |
| 1831167-010 PC-Q5 | Window Case Wood White - Bldg Q | 0.1086 | 3000 |
| 1831167-011 PC-A1 | Wall Wood White - Bldg A | 0.1015 | 170 |
| 1831167-012 PC-A2 | Wall Plaster Yellow - Bldg A | 0.1034 | 440 |



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Signal Hill, CA 90755
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Fax (562) 206-2773

Report Number: 1831167

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS - Bldg U
Location:

Lead in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|----------------------------------|----------------------|-----------------------------------|
| 1831167-013 PC-A3 | Wall Plaster White - Bldg A | 0.1078 | 3100 |
| 1831167-014 PC-A4 | Wall Drywall White - Bldg A | 0.1074 | 54 |
| 1831167-015 PC-A5 | Wall Stucco White - Bldg A | 0.1032 | 240 |
| 1831167-016 PC-A6 | Window Case Metal White - Bldg A | 0.1023 | 1200 |
| 1831167-017 PC-V1 | Wall Drywall White - Bldg V | 0.1057 | 50 |
| 1831167-018 PC-V2 | Wall Plaster White - Bldg V | 0.0288 | 230 |
| 1831167-019 PC-V3 | Wall Stucco White - Bldg V | 0.1076 | 770 |
| 1831167-020 PC-V4 | Flashing Metal Green - Bldg V | 0.1053 | 96,000 |

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

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Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY

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Signal Hill, CA 90755
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562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 1831167

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|---------------------------|---|--|---|
| Company | Alta Environmental | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input checked="" type="checkbox"/> | UPS <input type="checkbox"/> | Email <input checked="" type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | BCS <i>BCS</i> | 3 Day <input type="checkbox"/> | Drop Off <input checked="" type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: | | |
| Email | BCS <i>BCS</i> | | | |

| PROJECT INFORMATION | | | |
|---|--------------------------------------|--------------------------------------|---|
| Project Name: JAVIS - Bldg U | | PO Number: | |
| Project Number: 5-18-7674 | | Work Order No.: | |
| Location: | | Sampled By: F. Peralta | |
| PLM | PCM | MOLD | LEAD (Pb) |
| PLM EPA 600/R-93/116 | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input checked="" type="checkbox"/> STLC <input type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> |
| | | | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Avg Flow Rate | Volume (L) |
|-----------|-------------------------|----------|--------------|------------|---------------|------------|
| PC-U1 | wall plaster white | Bldg U | 5-7-18 | | | |
| U2 | wall Drywall white | | | | | |
| U3 | wall stucco white | | | | | |
| U4 | Flushing Metal Green | | | | | |
| U5 | wall stucco white | | | | | |
| PC-Q1 | wall Drywall white | Bldg Q | 5-7-18 | | | |
| Q2 | wall plaster white | | | | | |
| Q3 | wall stucco white | | | | | |
| Q4 | Flushing Metal Green | | | | | |
| Q5 | Window Core wood white. | | | | | |

| | |
|-------------------------------------|---------------------------------|
| Relinquished By: <i>[Signature]</i> | Received By: <i>[Signature]</i> |
| Date/Time: 5-8-18 | Date/Time: 5/8/18 14:00 |

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
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Analysis:

TAT:

(Lab) Order No. 1831167

[illegible]

Received By:

Date/Time: 5/8/18 4:00

Lab Forms
Ver. 082411



1508 East 33rd Street
Signal Hill, CA 90755
Tel (562) 206-2770
Fax (562) 206-2773

Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: David Schack

Project Number: SMSD-18-7674
Project Name: JAMS/HVAC Fire
Location: Alarm Project

Report Number: 1831187

Date Received: 5/9/2018
Date Analyzed: 5/9/2018
Date Reported: 5/10/2018

Date Sampled: 5/8/2018
Sampled By: F. Ruvalcaba
Total Samples: 8

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg Pb

Lead (Pb) in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|---------------------------------|----------------------|-----------------------------------|
| 1831187-001 PC-R1 | Drywall (White) - Building R | 0.0658 | < 76 |
| 1831187-002 PC-R2 | Stucco (White) - Building R | 0.1091 | < 46 |
| 1831187-003 PC-R3 | Metal (Green) - Building R | 0.1006 | 1200 |
| 1831187-004 PC-N1 | Wall Drywall White - Bldg N | 0.1000 | < 50 |
| 1831187-005 PC-N2 | Wall Plaster White - Bldg N | 0.1037 | 620 |
| 1831187-006 PC-N3 | Wall Stucco White - Bldg N | 0.1025 | 2600 |
| 1831187-007 PC-N4 | Flashing Metal Green - Bldg N | 0.1018 | 33,000 |
| 1831187-008 PC-N5 | Window Case Wood White - Bldg N | 0.1085 | 8300 |

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY



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(PLM) (Pb)
(Lab) Order No. 1831186/1831187

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|---------------------------------|---|-----------------------------------|----------------------------------|
| Company | Alta Environmental | Same Day <input type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input checked="" type="checkbox"/> | UPS <input type="checkbox"/> | Email <input type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | David Schack | 3 Day <input type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | 310/ 951-9482 | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: * PC = Paint chip samples only | | |
| Email | david.schack@altaenviron.com | | | |
| | therese.rizarri@altaenviron.com | | | |

| PROJECT INFORMATION | |
|--|---------------------|
| Project Name: JAMS HVAC/Fire Alarm Project | PO Number: |
| Project Number: SMSD-18-7674 | Work Order No.: |
| Location: | Sampled By: F. Ruck |

| PLM | PCM | MOLD | LEAD (Pb) |
|--|--------------------------------------|--------------------------------------|---|
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input checked="" type="checkbox"/> STLC <input type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> |
| | | | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---|----------|--------------|------------|-----------|---------------|------------|
| R-1 | 1x1 random Peghole ceiling tile w/ Mastic | Bldg R | 05-08-18 | | | | |
| 2 | I | | | | | | |
| 3 | Grey Duct Section 1 | | | | | | |
| 4 | I | | | | | | |
| 5 | I | | | | | | |
| 6 | Black Tar Paper w/ fiber Glass Insulation | | | | | | |
| 7 | I | | | | | | |
| 8 | I | | | | | | |
| 9 | Barrier Paper | | | | | | |
| 10 | I | | | | | | |

| | |
|----------------------------------|--------------------------|
| Relinquished By: [Signature] | Received By: [Signature] |
| Date/Time: 5-9-18 / 5/9/18 09:16 | Date/Time: 5/9/18 09:16 |

Lab Forms
Ver. 082411

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com



Analysis:

TAT:

(Lab) Order No. 1831186/1831187

[illegible]

Relinquished By:

Received By:

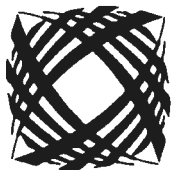
Date/Time:

Date/Time:

Lab Forms
Ver. 082411

Appendix E

Sample Location Drawings: Asbestos and Lead



ALTA
ENVIRONMENTAL

Sheet ____ of ____

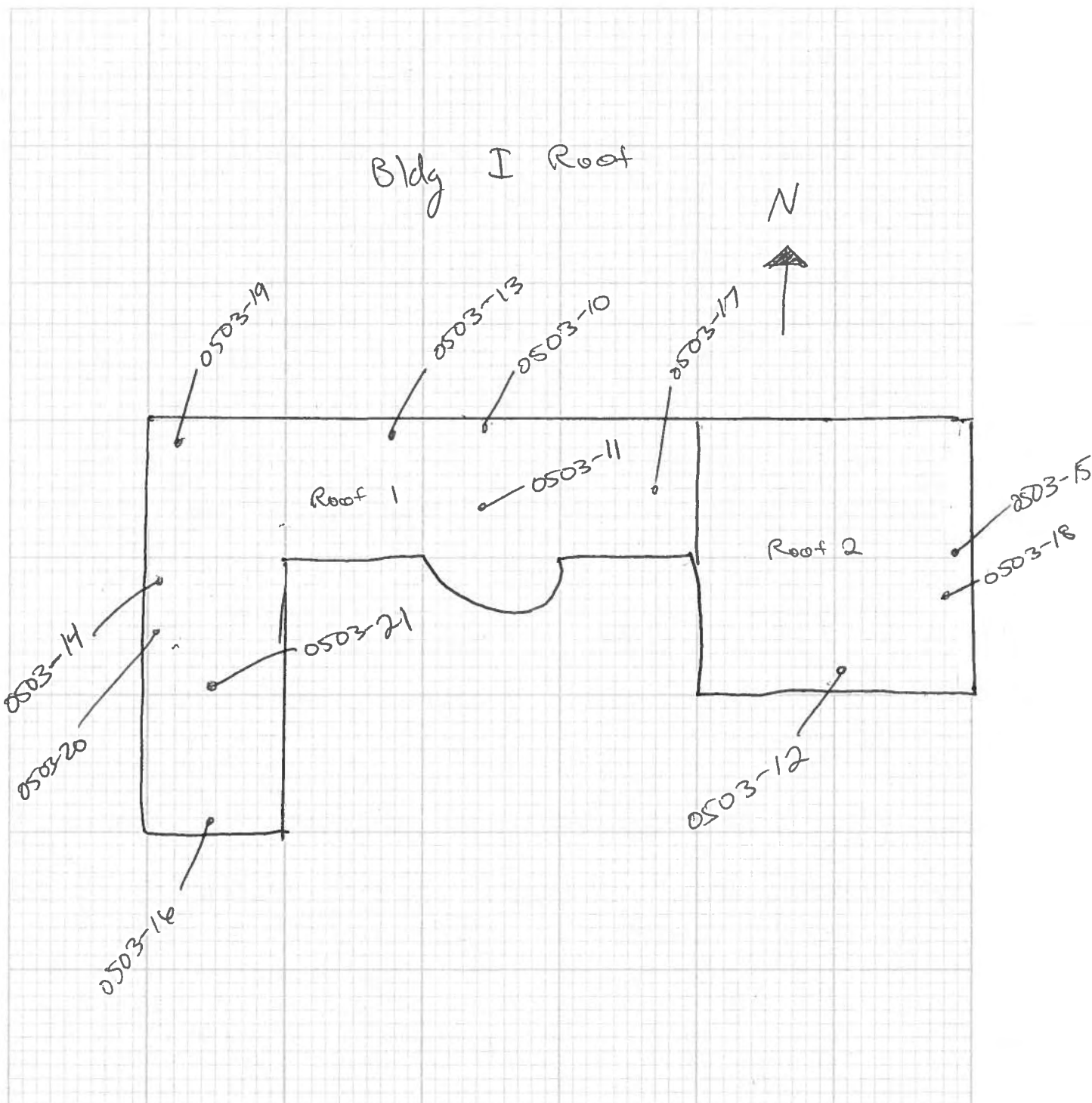
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Project No./Task No. _____

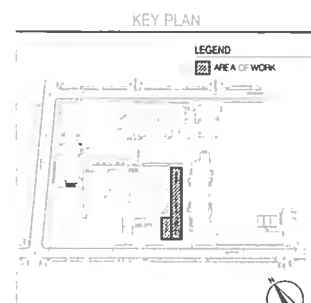
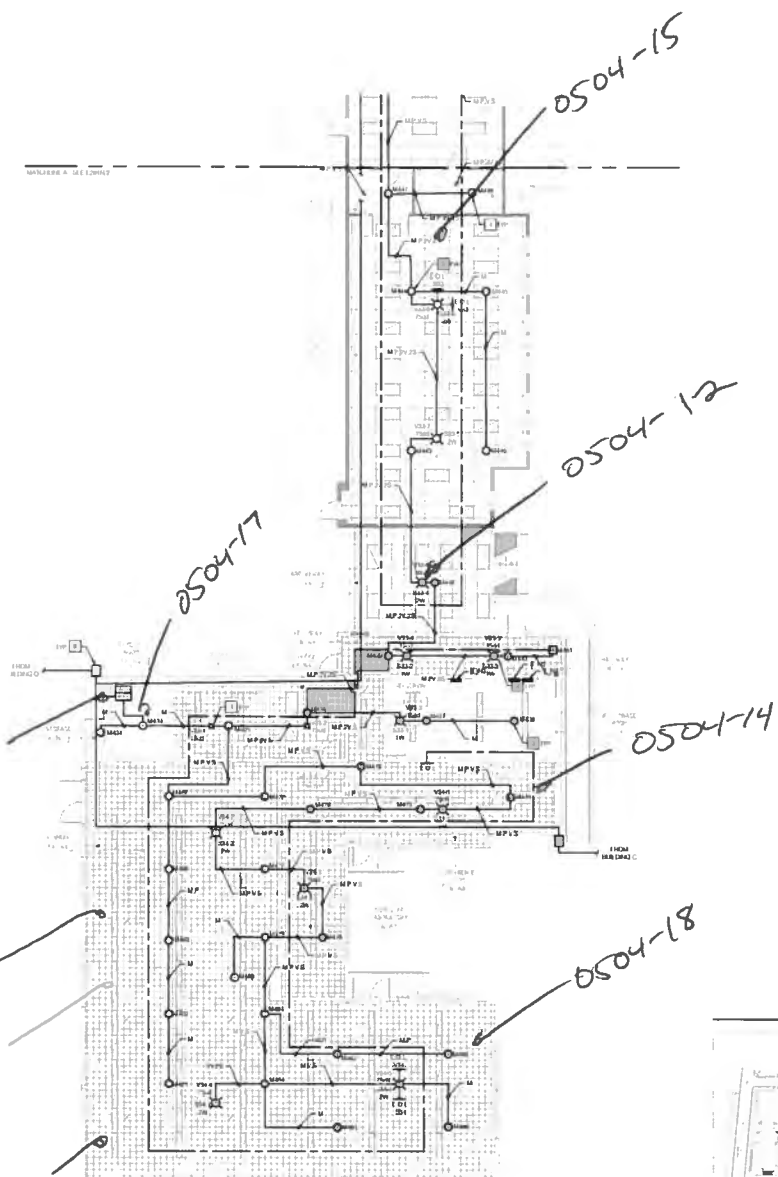
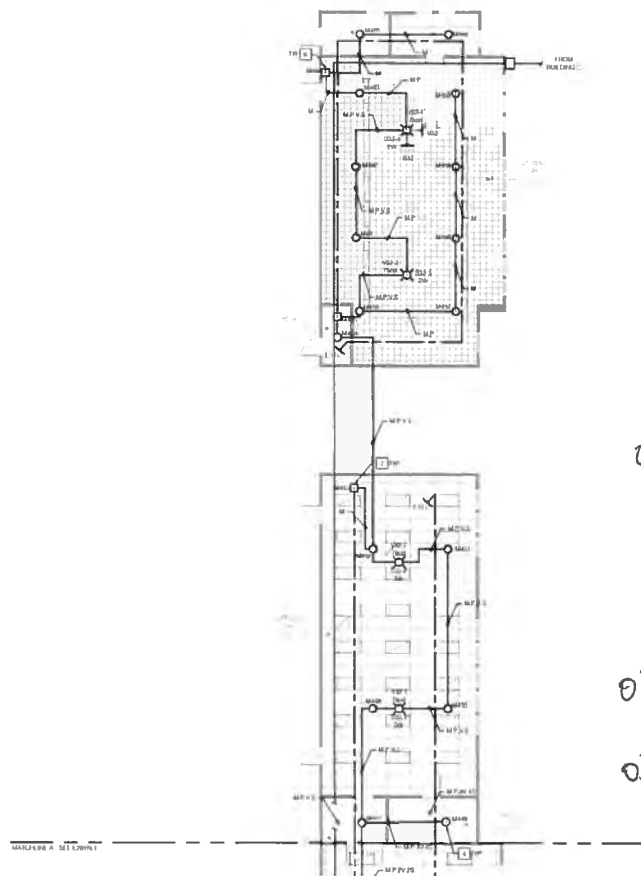
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Checked by _____ Date _____

Scale _____



0504-110



- [illegible]

SANTA MONICA MIDDLE SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 1251 HYPER STREET SANTA MONICA, CA 90406
 SANTA MONICA MIDDLE SCHOOL DISTRICT
 1251 HYPER STREET SANTA MONICA, CA 90406
 JANUARY | NMC ARCHITECTURE
 101-17019
 10-01
 12-26-2017
 BUILDING IS FIRE ALARM PLAN
 FA201N

SANTA MONICA-MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
2ND 14TH STREET SANTA MONICA, CA 90404

JUSANY
NAC | ARCHITECTURE

| | |
|------------|------------|
| ISBN: 961 | 101-17019 |
| Book Title | 19-01 |
| Category | MLJ |
| Cover Code | CM |
| Due Date | 12-26-2017 |

BUILDING A
FIRE ALARM PLAN


FA201N



(Continued from page 7)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. No. 03-1182
AC ____ FLS ____ SE ____
DATE ____
FILE No. T9-01

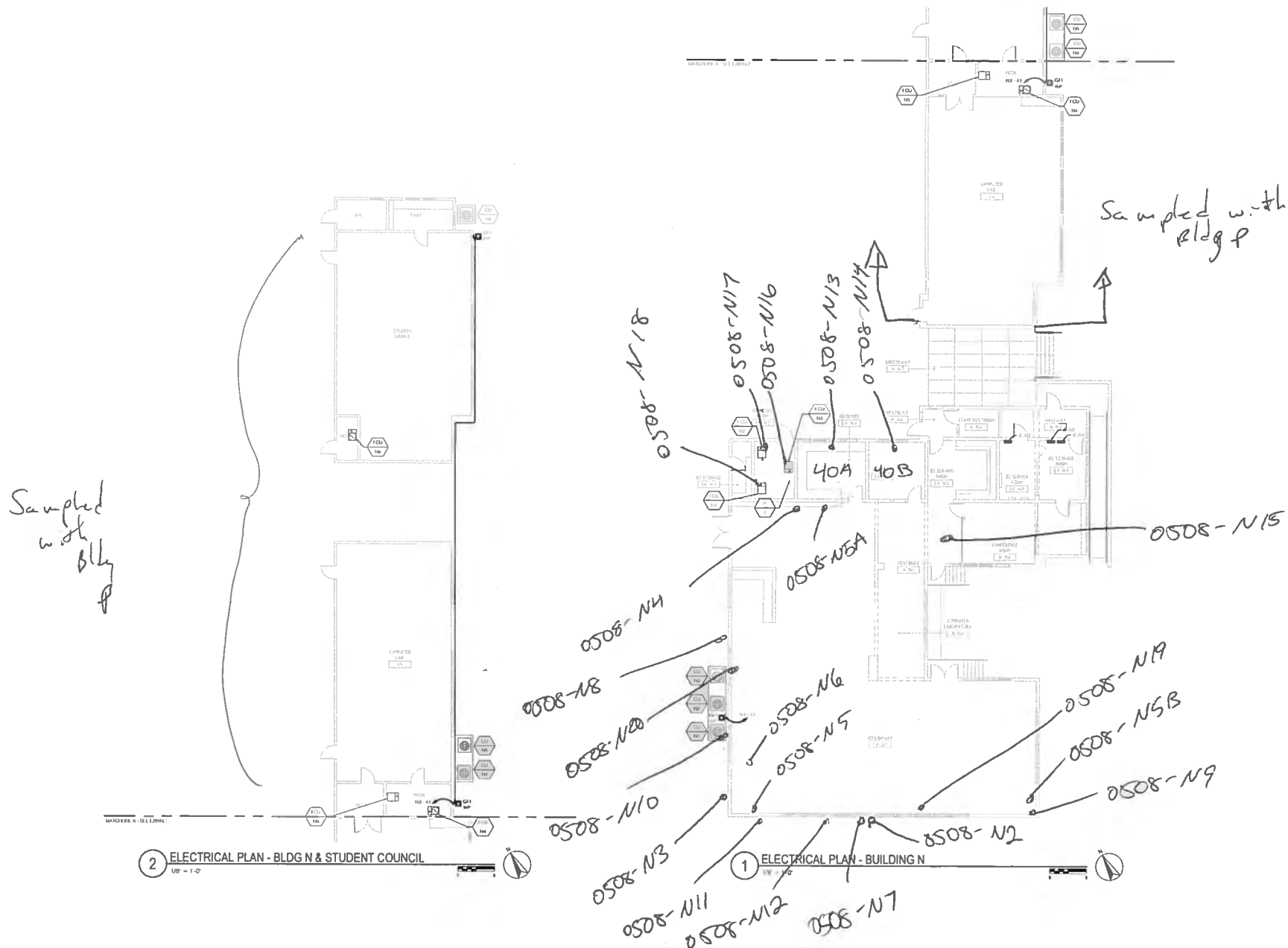
SANTA MONICA-MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE

 Santa Monica Malibu School District

NYC ARCHITECTURE

| | |
|-----------|------------|
| Phone No. | 181-17019 |
| Case File | 13-91 |
| Comments | MRJ |
| LAB (Lab) | CM |
| Date | 12-28-2017 |

E2011



2 ENLARGED ELECTRICAL CLOSET PLAN
1/8" = 1'-0"

GENERAL NOTES

- [illegible]

NOTES

- [illegible]

DSA SUBMITTAL



IDENTIFICATION STAMP
DIV. OF THE STATE
ARCHITECT
APP. No. 03-112558
AC _____ FL5 _____ SS _____
DATE _____
FILE No. 19-01

**SANTA MONICA/MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE**



NAC ARCHITECTURE

| | |
|-----------------|------------|
| Item No.: | 101-17019 |
| Date Recd.: | 12-01 |
| Quantity: | MFJ |
| Unit (if App.): | CM |
| Lot No.: | 12-28-2017 |

BUILDING G
FIRE ALARM PLAN
FA201G

FA201G

GENERAL NOTES

1. REFER TO MECHANICAL ELECTRICAL CONNECTION
SCHEDULE ON SHEET 10 FOR CONNECTIONS
AND FIELD PERFORMANCE.

DSA SUBMITTAL

p2s
P2S Engineering, Inc.
10000 Santa Monica Blvd., Suite 100
Santa Monica, CA 90404



IDENTIFICATION STAMP
DIV. OF THE STATE
ARCHITECT
APP. NO. 03-18008
AC - P.E.
DATE: 12/15/17
FILE NO. 19-01

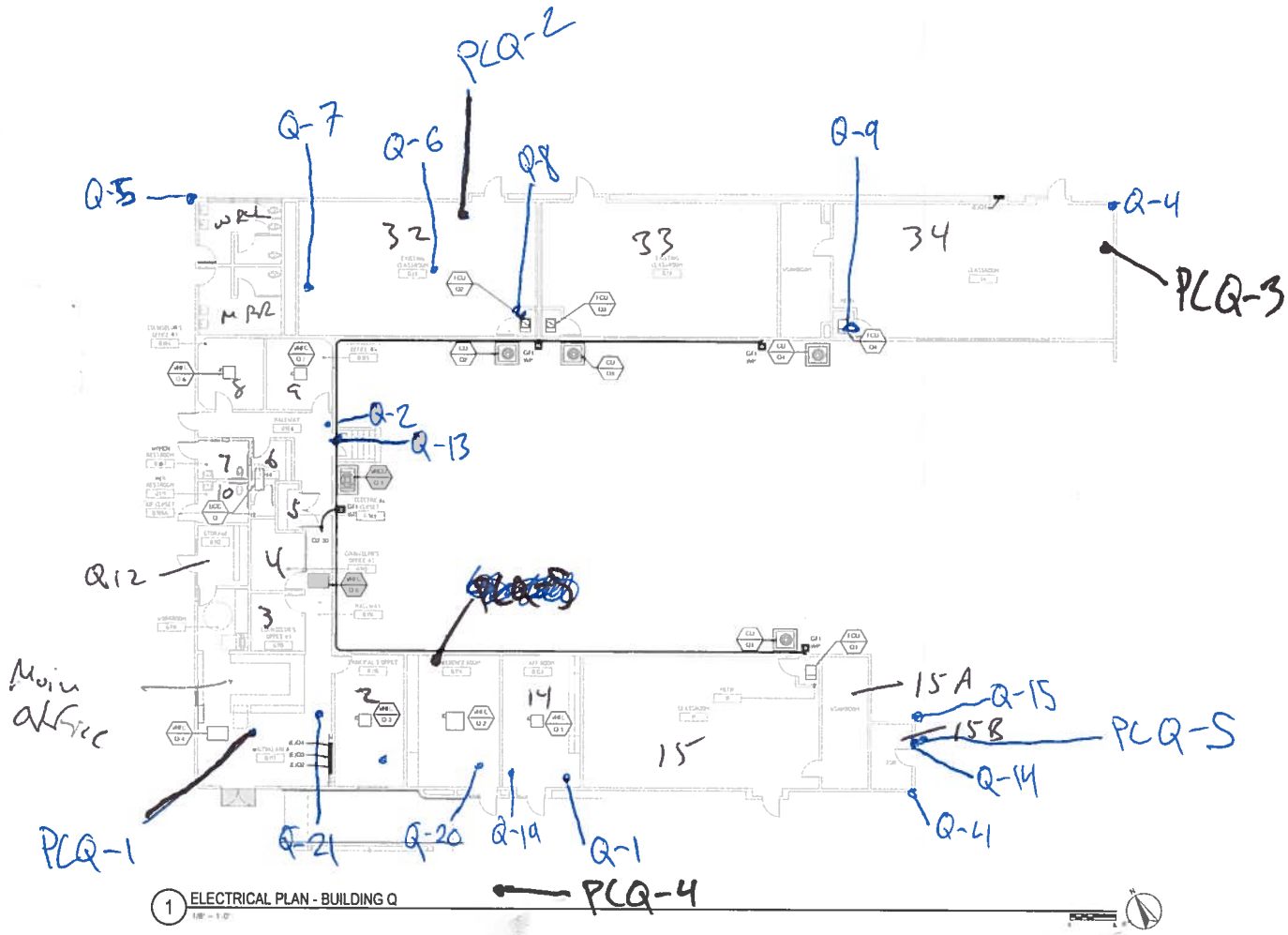
SANTA MONICA MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
200 WEST STREET SANTA MONICA, CA 90404



J. N. C. ARCHITECTURE
J. N. C. ARCHITECTURE
10000 Santa Monica Blvd., Suite 100
Santa Monica, CA 90404

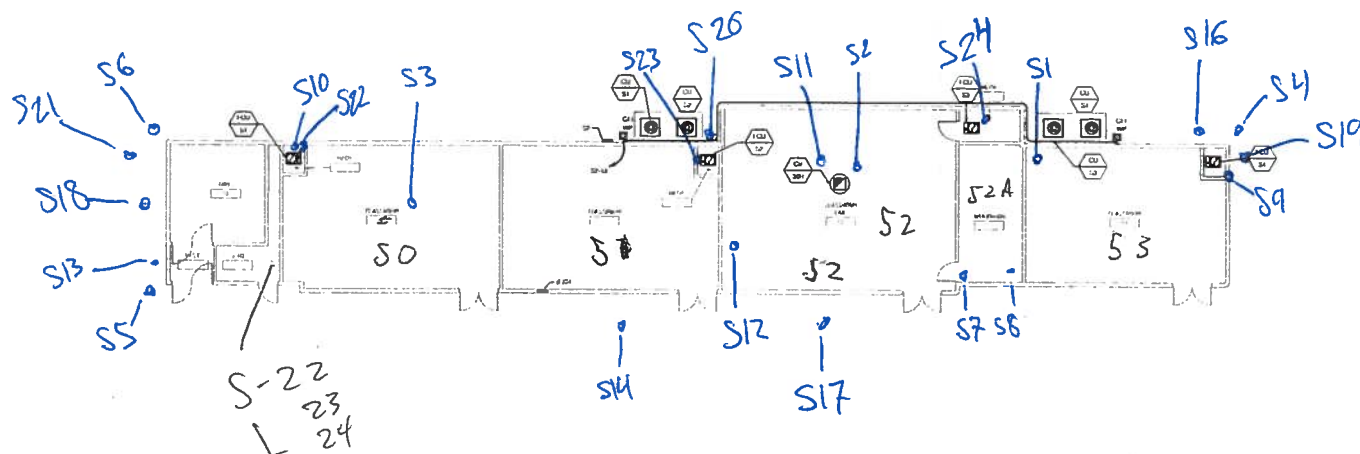
REV. NO. 101-12010
DATE 10-01
BY MU
CM
12-20-2017

E201Q
P2S Inc. 2017



1 ELECTRICAL PLAN - BUILDING Q
1/8" = 1'-0"

GENERAL NOTES
 1. SEE THE MECHANICAL AND ELECTRICAL SCHEDULES FOR
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2014
 3. THE ELECTRICAL CODE SHALL BE THE 2014 NATIONAL
 4. THE ELECTRICAL CODE SHALL BE THE 2014 NATIONAL



1 ELECTRICAL PLAN - BUILDING S
 1/8" = 1'-0"



DSA SUBMITTAL

p2s
 P2S Engineering, Inc.
 1715 S. 10th Street, Suite 100
 Phoenix, AZ 85006

IDENTIFICATION STAMP
 DIV. OF THE STATE
 ARCHITECT
 APP. NO. 85-118388
 AC. P.S. 101
 DATE 12-26-2017

SANTA MONICA VALLEY SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE

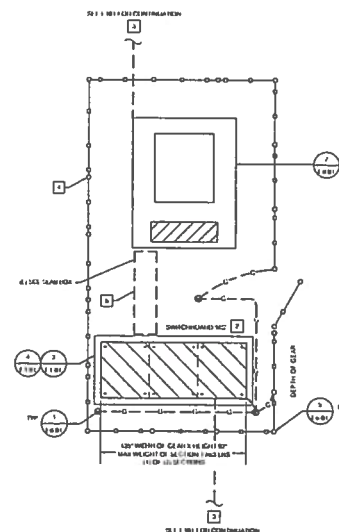
SANTA MONICA VALLEY
 SCHOOL DISTRICT
 1715 S. 10th Street, Suite 100
 Phoenix, AZ 85006

JULIAN NAC ARCHITECTURE
 101-17819
 12-26-2017

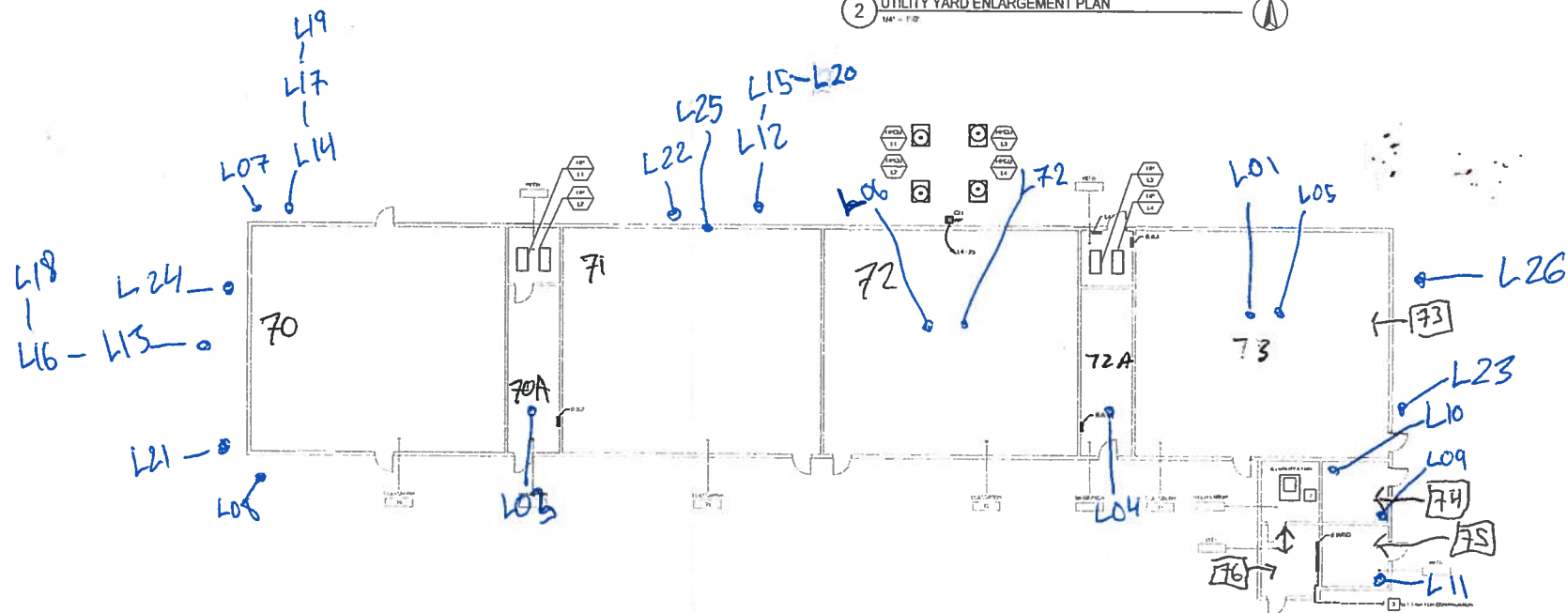
E201S

GENERAL NOTES

1. ALL NEW ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
2. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
3. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
4. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
5. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
6. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
7. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
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9. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.
10. ALL NEW ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL ORDINANCES.



2 UTILITY YARD ENLARGEMENT PLAN
1/4" = 1'-0"



1 ELECTRICAL PLAN - BUILDING L
1/8" = 1'-0"

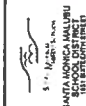


DSA SUBMITTAL



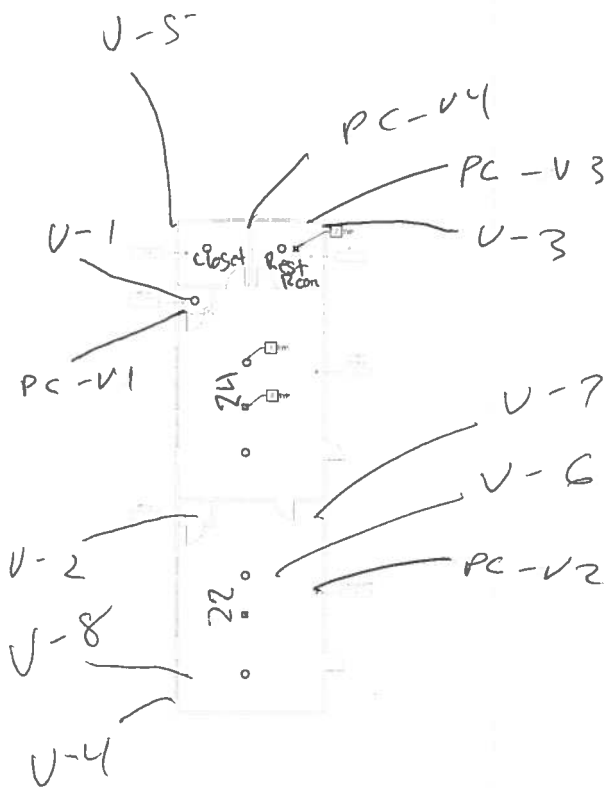
IDENTIFICATION STAMP
NAME OF THE ENGINEER
ARCHITECT
DATE

SANTA MONICA MIDDLE SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
1215 14TH STREET, SANTA MONICA, CA 90401

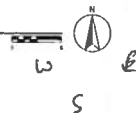


ARCHITECTURE
NAC

E201L
12-26-2017



1 FIRE ALARM DEMOLITION PLAN - BUILDING V



NOTES

1. DEMOLISH CT AND REPAIR W/ALARMING GROUND IN REPAIR OF VEE ALONG WITH EXISTING AND NEWAL GROUNDING BACK TO SOURCE
2. DEMOLISH CT AND REPAIR W/ALARMING GROUND IN REPAIR OF VEE ALONG WITH EXISTING AND NEWAL GROUNDING BACK TO SOURCE
3. DEMOLISH CT AND REPAIR W/ALARMING GROUND IN REPAIR OF VEE ALONG WITH EXISTING AND NEWAL GROUNDING BACK TO SOURCE

DSA SUBMITTAL



IDENTIFICATION STAMP
DIV. OF THE STATE
ARCHITECT
APP. NO. 65-118208
AC. 11.1.1.1
DATE 11.1.1.1
FILE NO. 19-91

SANTA MONICA MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
201 WEST STREET SANTA MONICA, CA 90401



J. D. B. ARCHITECT
181-17219
19-91
M/J
CM
12-26-2017

BUILDING V
FIRE ALARM
DEMOLITION PLAN
FAD201V

FAD201V
P2S Inc. 2021

KEY PLAN



1. THE FLOW TO MICRO SCHEDULES FURNISHES INFORMATION
2. CONSTRUCTION SHALL BE IN FULL ATTENTION SPACE IS
IN EXCESS OF THE FURNISHING AND ADDRESS THE DESIGN
PERMITTED CONDITIONS. PROVIDE THE ANTI-STATIC
DETERMINATION OF THE DESIGN CONDITIONS FOR A
SUFFICIENT FUEL CONSUMPTION SYSTEM
3. HIGH MATERIAL SURFACE MATERIALS OF FURNISHING SHALL
BE USED FOR THE FURNISHING OF THE WALLS AND CEILING
AND NOT ACRYLIC GLASS. PROVIDE THE MICRO DESIGN
SYSTEM FOR APPROVED EQUAL

[illegible][illegible]

**SANTA MONICA/MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE**

 SANTA MONICA MALIBU
SCHOOL DISTRICT
1081 BISTENTEN STREET
MALIBU, CALIF. 90263

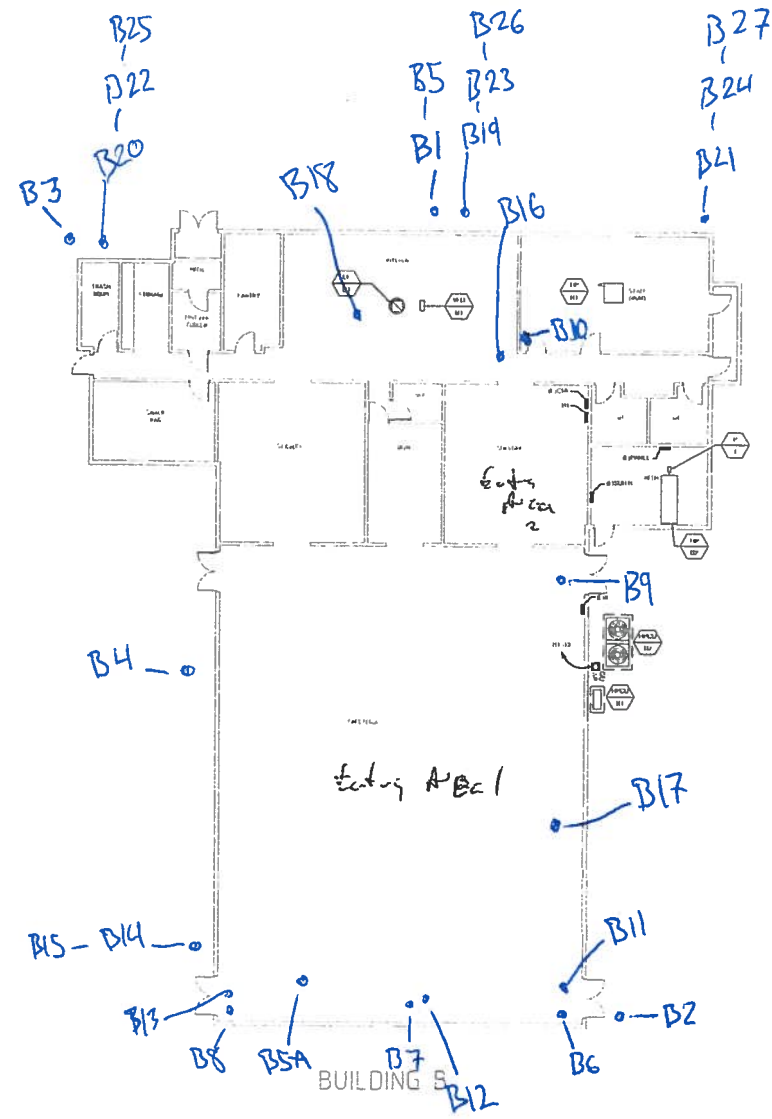
USAMAC | ARCHITECTURE

| | |
|-----------------|------------|
| Index: 44 | 161-17019 |
| Class: Pub | 10-01 |
| Component | INU |
| Contract: 140-0 | CM |
| Contract | 12-26-2017 |

BUILDING V
FIRE ALARM PLAN

FA201V

GENERAL NOTES
 1. REFER TO THE GENERAL NOTES FOR THE ELECTRICAL CODES
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE
 3. NATIONAL ELECTRICAL CODE (NEC) AND THE CALIFORNIA ELECTRICAL CODE (CEC)



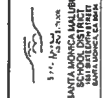
1 ELECTRICAL PLAN - BUILDING B

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE
 ARCHITECT
 APP. NO. 15-01
 AC. 15-01
 DATE 12-15-2017
 FILE NO. 15-01

SANTA MONICA MALLIBU SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 17111 171ST STREET, SANTA MONICA, CA 90405

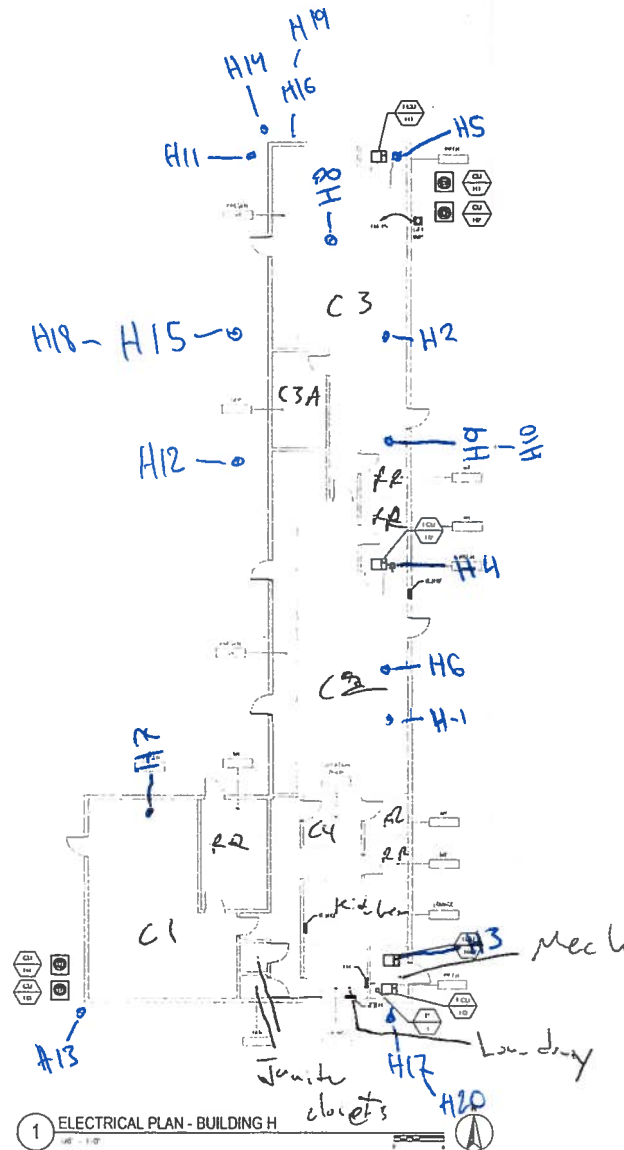


17111 171ST STREET, SANTA MONICA, CA 90405
 NAC ARCHITECTURE

15-01
 12-15-2017

E201B

GENERAL NOTES
 1. SEE MECHANICAL ELECTRICAL CODES
 2. SEE ELECTRICAL CODES
 3. SEE ELECTRICAL CODES



1 ELECTRICAL PLAN - BUILDING H

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE
 ARCHITECT
 APP. NO. 63-11888
 AC. FILE NO. 15-81
 DATE

SANTA MONICA MALIBU SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE



JUBANY
 NAC ARCHITECTURE

181-17099
 15-81
 12-26-2017

E201H



ALTA
ENVIRONMENTAL

Sheet 1 of 1

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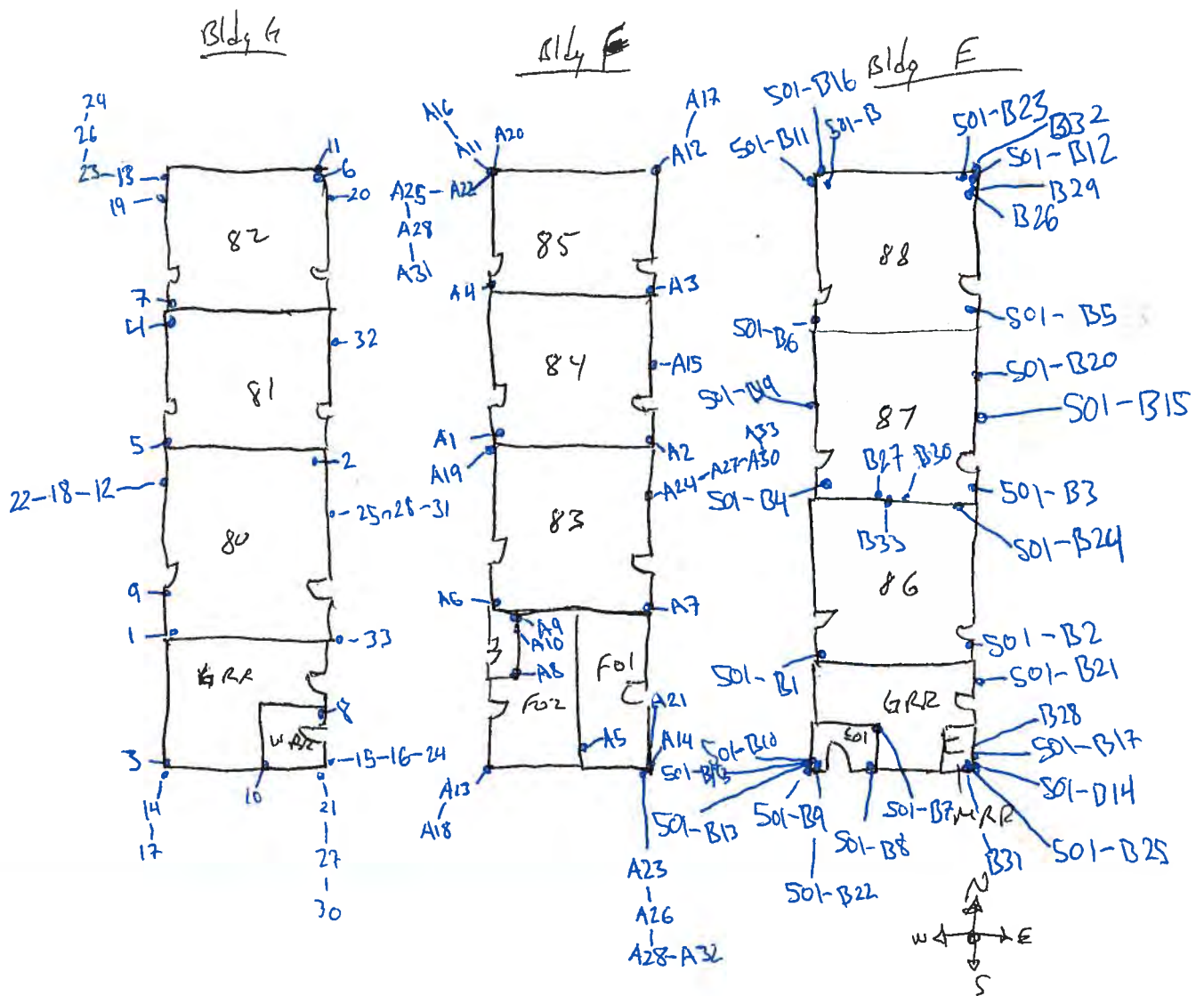
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Calculated by FL Date 5-01-18

Scale No Scale

Checked by _____ Date _____

James M.S.



GENERAL NOTES:
1. SEE FOR MECHANICAL ELECTRICAL CONNECTION
SCHEDULE, ON LINE EIT FOR CONNECTIONS AND
ELECTRICAL SYMBOLS

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p2s
P2S Engineering, Inc.
P2S Engineering, Inc.
P2S Engineering, Inc.
P2S Engineering, Inc.



IDENTIFICATION STAMP
DIV. OF THE STATE
ARCHITECT
APP. NO. 65-1988
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DATE
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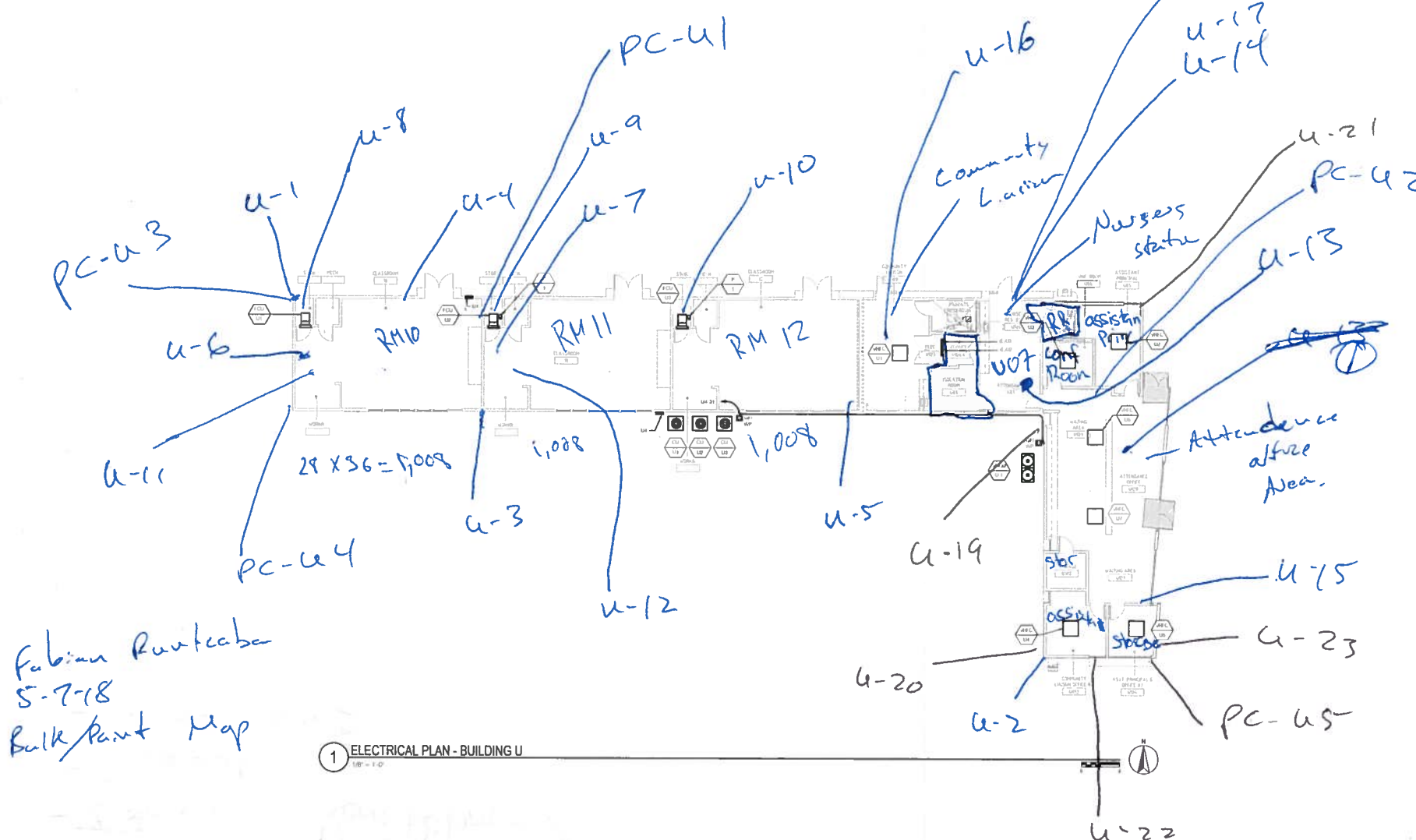
SANTA MONICA MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
JAN 17/17 STREET SANTA MONICA, CA 90404



JUANY NAC ARCHITECTURE
Santa Monica Malibu
SANTA MONICA MALIBU
SANTA MONICA MALIBU
SANTA MONICA MALIBU

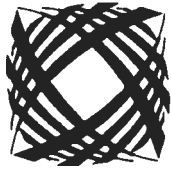
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PROJECT: 101-17010
SHEET: 10-10
BY: MU
CHECKED: CM
DATE: 12-28-2017

E201U
P2S Inc. 2017



Fabian Rautava
5-7-18
Bulk/Paint Map

1 ELECTRICAL PLAN - BUILDING U
1/8" = 1'-0"



ALTA
ENVIRONMENTAL

Sheet 1 of 1

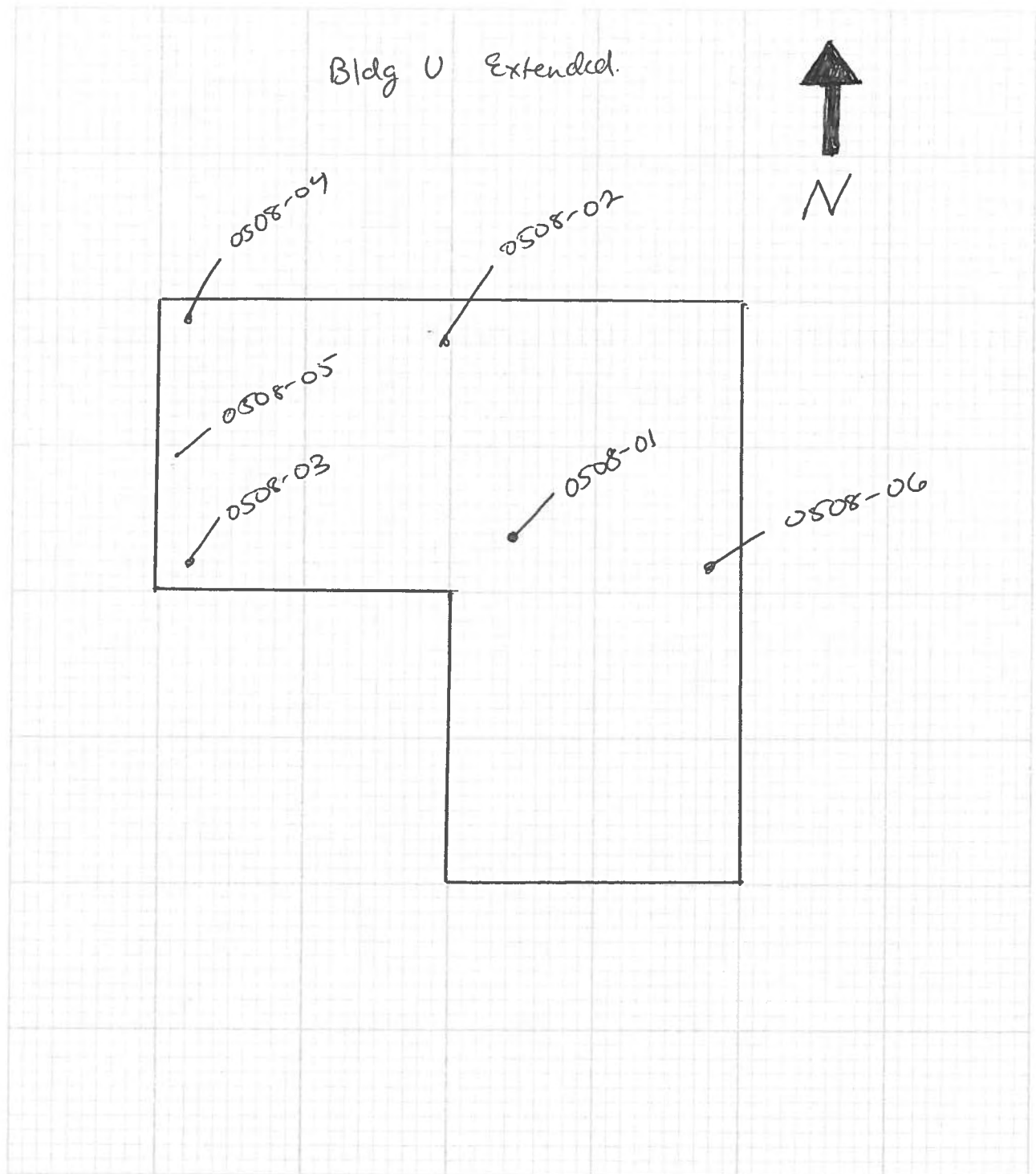
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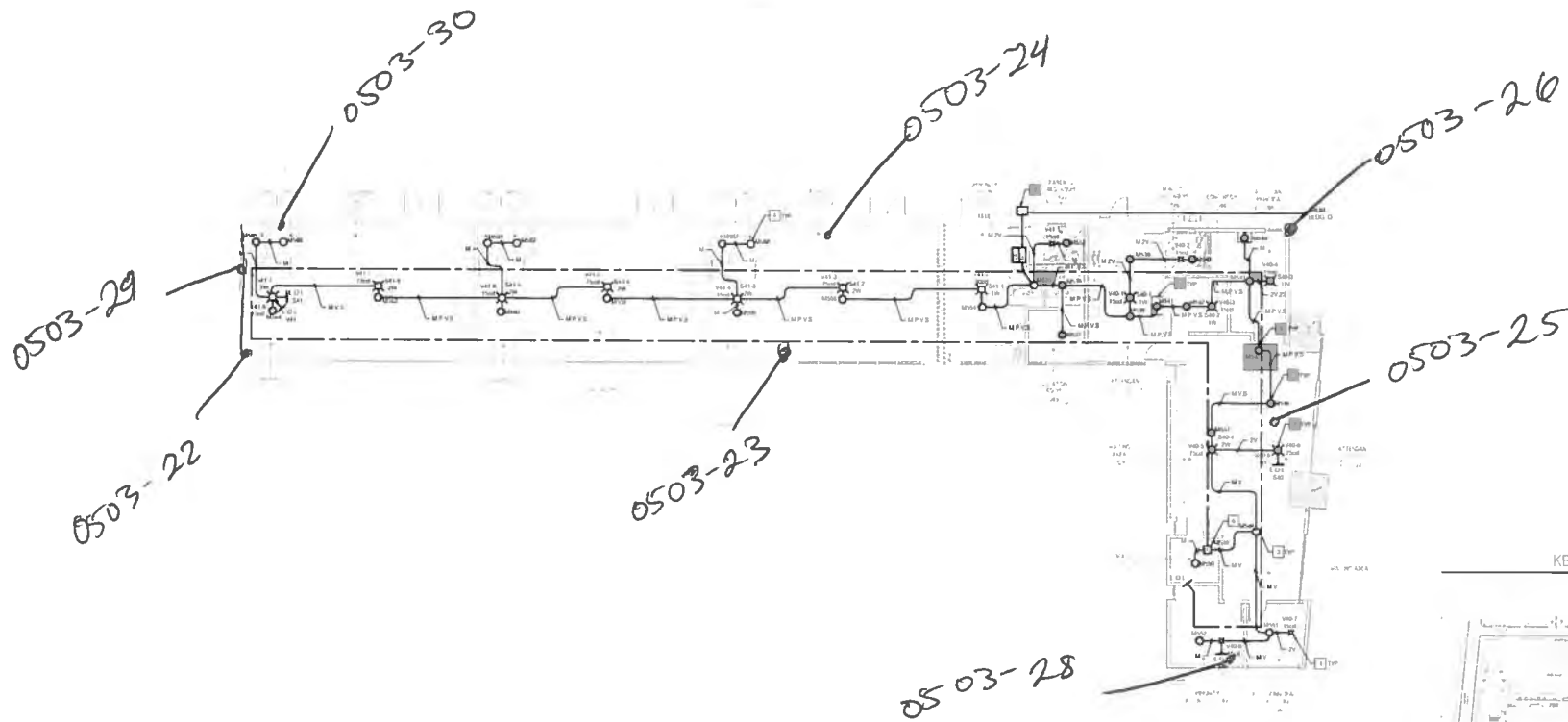
Calculated by JR Date 5/8/18

Scale _____

Checked by _____ Date _____



Roof



1 ELECTRICAL PLAN - BUILDING U

GENERAL NOTES

1. REFER TO SERVICE SCHEDULE FOR WIRING AND CABLEING.
2. CONSTRUCTION SHALL VERIFY ALL ATTACHED SPACES TO THE EXISTING BUILDING ARE MAINTAINED AND NOT BE USED FOR ANY OTHER PURPOSES. PROVIDE LINE AND CABLES TO THE EXISTING BUILDING. PROVIDE LINE AND CABLES TO THE EXISTING BUILDING. PROVIDE LINE AND CABLES TO THE EXISTING BUILDING.
3. REFER TO THE SERVICE SCHEDULE FOR WIRING AND CABLEING. PROVIDE LINE AND CABLES TO THE EXISTING BUILDING. PROVIDE LINE AND CABLES TO THE EXISTING BUILDING. PROVIDE LINE AND CABLES TO THE EXISTING BUILDING.

NOTES

1. PROVIDE EARTHING TO ALL ELECTRICAL EQUIPMENT.
2. PROVIDE EARTHING TO ALL ELECTRICAL EQUIPMENT.
3. PROVIDE EARTHING TO ALL ELECTRICAL EQUIPMENT.
4. PROVIDE EARTHING TO ALL ELECTRICAL EQUIPMENT.
5. PROVIDE EARTHING TO ALL ELECTRICAL EQUIPMENT.
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8. PROVIDE EARTHING TO ALL ELECTRICAL EQUIPMENT.
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DIV. OF THE STATE
ARCHITECT
APR. 10, 1988
AC. FLS. 88
DATE

SANTA MONICA MIDDLE SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE



ARCHITECTURE

181-17010
19-91
MU
CU
12-20-2017

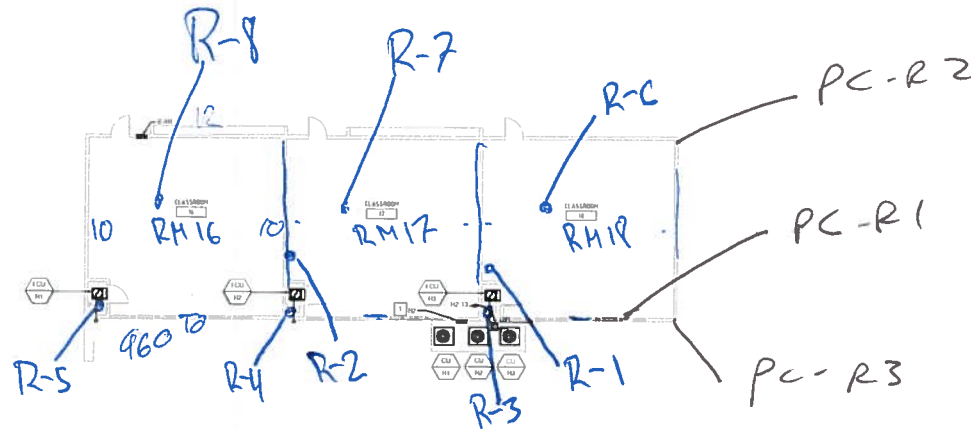
BUILDING U
FIRE ALARM PLAN

FA201U

10×40
 $\frac{66}{40}$
 $\frac{106}{106}$

20×20 42

32, 30



1 MECHANICAL PLAN - BUILDING R

GENERAL NOTES

1. SEE PLAN FOR MECHANICAL ELECTRICAL CODES (MERCURY)
 2. SEE PLAN FOR MECHANICAL ELECTRICAL CODES (MERCURY)
 3. SEE PLAN FOR MECHANICAL ELECTRICAL CODES (MERCURY)

ELECTRICAL KEY NOTES

1. ELECTRICAL SYMBOLS OF ELECTRICAL PRICES (MERCURY)
 2. ELECTRICAL SYMBOLS OF ELECTRICAL PRICES (MERCURY)
 3. ELECTRICAL SYMBOLS OF ELECTRICAL PRICES (MERCURY)

DSA SUBMITTAL

p2s
 P2S Engineering Inc.
 1000 10th Street, Suite 100
 San Francisco, CA 94103



IDENTIFICATION STAMP
 DIV. OF THE STATE
 ARCHITECT
 APP. NO. 111808
 AC. 11.18.08
 DATE

FILE NO. 10-01

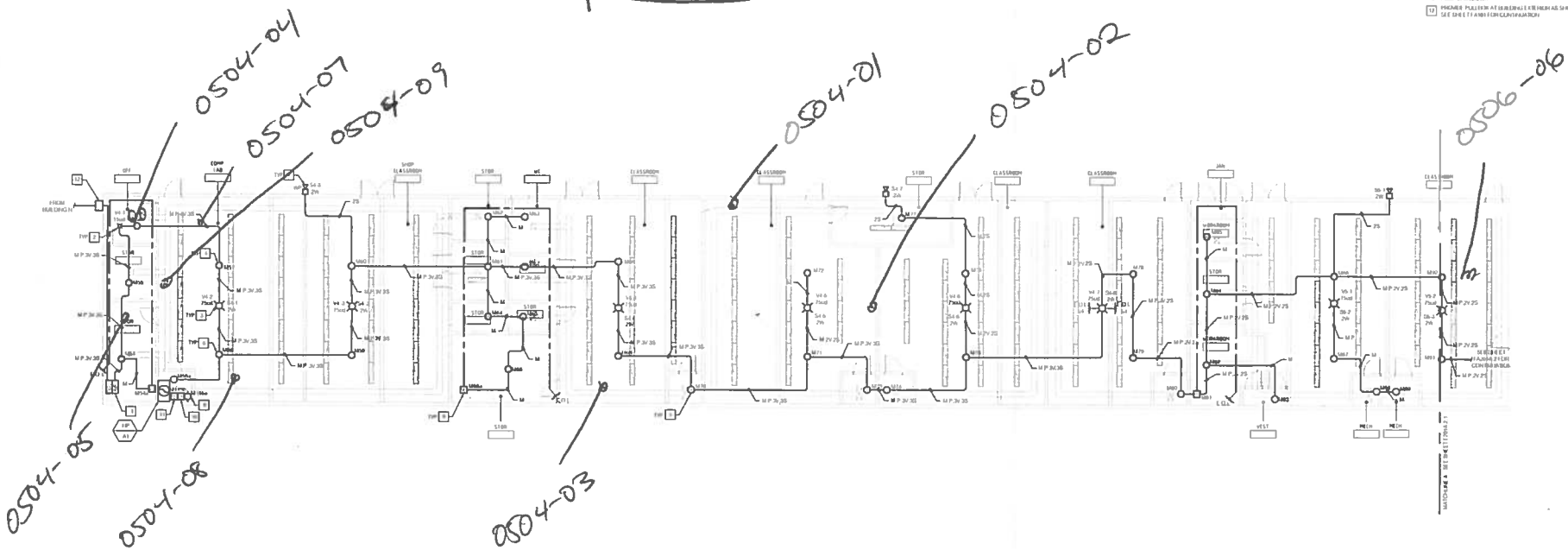
SANTA MONICA MIDDLE SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 1000 10th Street, Suite 100, San Francisco, CA 94103

Santa Monica Middle School
 Santa Monica Middle School
 Santa Monica Middle School

JUAN NAC ARCHITECTURE
 101-17019
 10-01
 10-01
 10-01

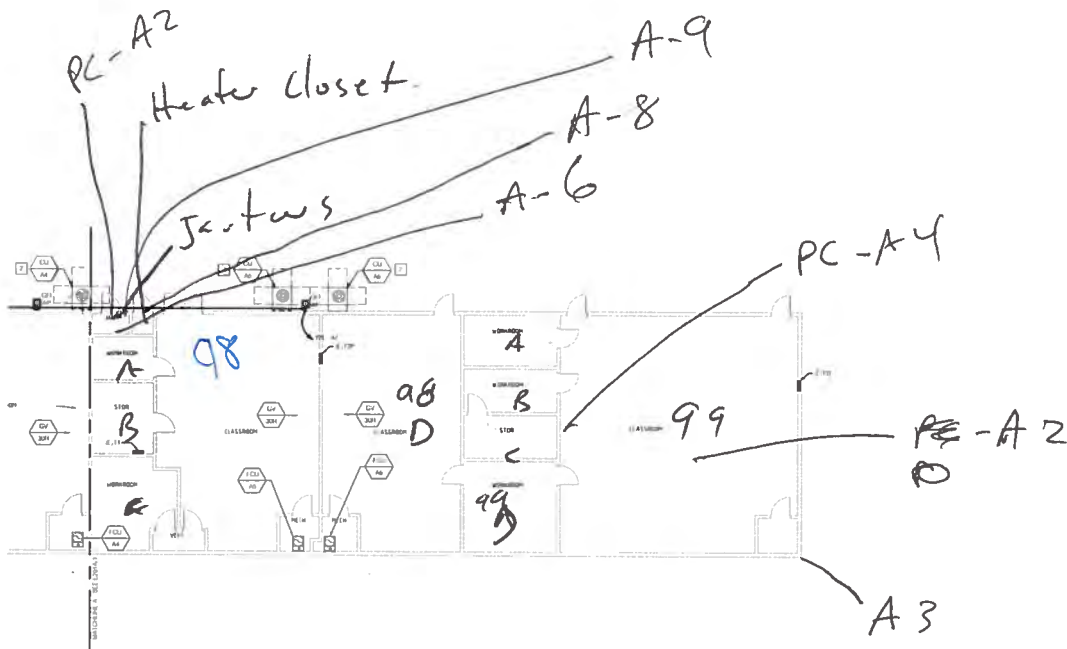
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E201R
 10-01

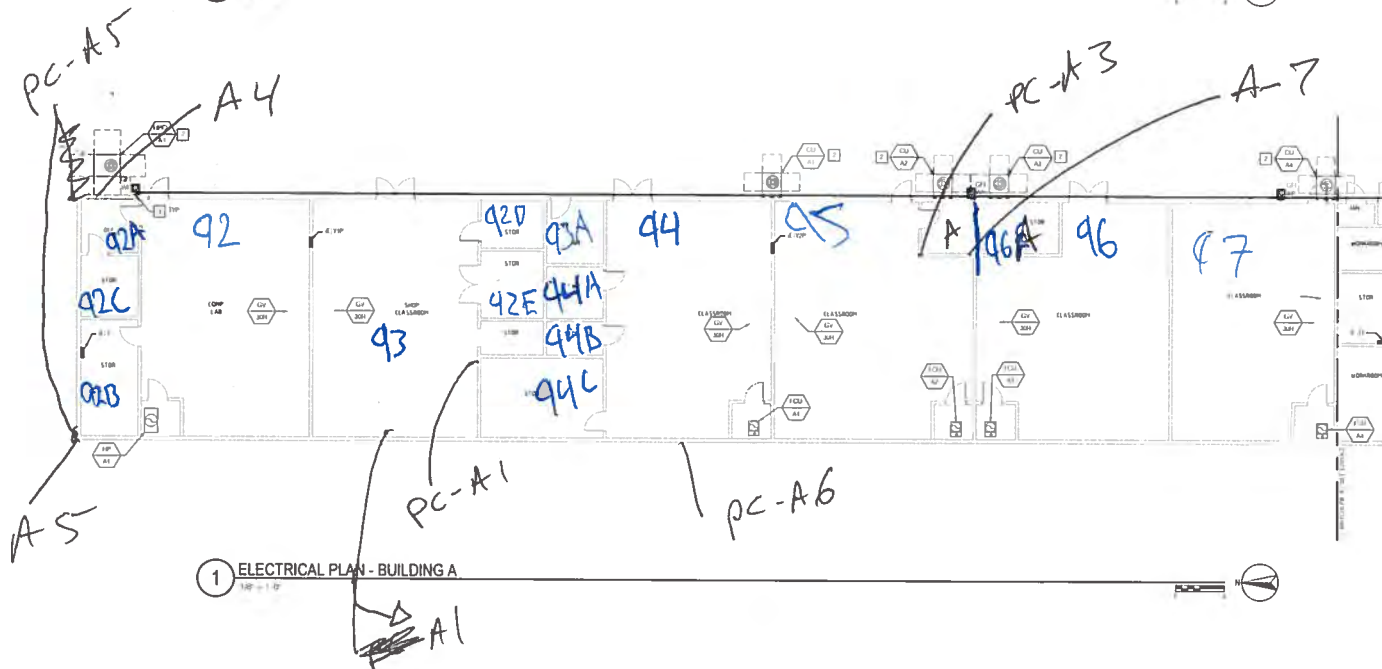


- 06

[illegible]



2 ELECTRICAL PLAN - BUILDING A



1 ELECTRICAL PLAN - BUILDING A

GENERAL NOTES

1. REFER TO THE ELECTRICAL CODE AND THE CITY OF LOS ANGELES ELECTRICAL CODE FOR THE LATEST REQUIREMENTS FOR THE ELECTRICAL SYSTEM.

NOTES

1. SECURITY IS REQUIRED FOR ALL ELECTRICAL WORK.
2. POWER PANELS FOR ALL ELECTRICAL WORK.

DSA SUBMITTAL

p2s
P2S Engineering, Inc.
10000 Wilshire Blvd., Suite 1000
Beverly Hills, CA 90210
Tel: 310.277.1111
Fax: 310.277.1112
www.p2s-engineering.com



PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. 10000
Exp. 12/31/2011

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. NO. 10000
AC. 10000
DATE 12/31/2011

SANTA MONICA MALIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
2011 10000 STREET SANTA MONICA, CA 90405

JUNYAN
ARCHITECTURE
SANTA MONICA MALIBU
SCHOOL DISTRICT
2011 10000 STREET
SANTA MONICA, CA 90405

JUNYAN
NAC
ARCHITECTURE
101.17010
10-01
10-01
12-20-2011

E201A
P2S Inc. 2011

Appendix F

Alta Environmental Employee Certifications

EPA ACCREDITED



OCCUTRAIN

Nº 39927

AHERA APPROVED

OCCUPATIONAL TRAINING INSTITUTE, INC.

BE IT KNOWN TO ALL THAT
Carbany Jared Becerril

HAS SUCCESSFULLY COMPLETED A 5 DAY COURSE AND, AFTER PASSING
THE REQUIRED EXAMINATION, IS AWARDED THIS CERTIFICATE

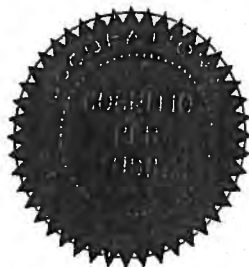
ON
June 23, 2017

FOR
ASBESTOS ABATEMENT
CONTRACTOR/ SUPERVISORS

COURSE DATES: June 19-23, 2017

AACS-2016-17
ACCREDITATION NO.

June 23, 2018
EXPIRATION DATE



EXAM DATE: June 23, 2017


Nubia Ayala-Director
AUTHORIZED SIGNATURE

Paul Eubanks
EXAM ADMINISTRATOR

DOSH APPROVAL #CA-017-03

For purposes of accreditation required under section 206 of the Toxic Substances Control Act (TSCA)
Occupational Training Institute, Inc. (OCCUTRAIN) 601 Atlantic Ave. Ste. E Long Beach, CA 90802 TEL: (562) 612-3100

EPA ACCREDITED



OCCUTRAIN

Nº 40068
AHERA APPROVED

OCCUPATIONAL TRAINING INSTITUTE, INC.

BE IT KNOWN TO ALL THAT
Carbany Jared Becerril

HAS SUCCESSFULLY COMPLETED A³ DAY COURSE AND, AFTER PASSING
THE REQUIRED EXAMINATION, IS AWARDED THIS CERTIFICATE

ON
July 19, 2017

FOR
INSPECTING BUILDINGS FOR ASBESTOS

COURSE DATES: July 17-19, 2017

EXAM DATE: July 19, 2017

IBFA-I-796-17

ACCREDITATION NO.

July 19, 2018

EXPIRATION DATE




Nubia Ayala-Director
AUTHORIZED SIGNATURE

Alfredo Amaro

EXAM ADMINISTRATOR

DOSH APPROVAL #CA-017-06

For purposes of accreditation required under section 206 of the Toxic Substances Control Act (TSCA)
Occupational Training Institute, Inc. (OCCUTRAIN), 621 Atlantic Ave, Suite #1, Long Beach, CA 90802 TEL: # 562-412-3109

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Inspector/Assessor 12/06/2018



Fabian Ruvalcaba

ID # 22130

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Fabian Ruvalcaba



Name

Certification No. **15-5533**

Expires on **11/17/18**

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

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Sampling Technician 10/28/2018



Jorge Robles

ID #: 30025

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Jorge Robles

Name

Certification No. 17-6028

Expires on 11/14/18



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



State of California Department of Public Health

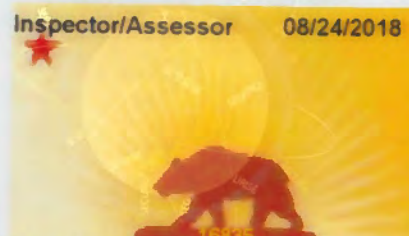
Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Inspector/Assessor

08/24/2018



James C. Byers

ID # 14805

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

James Charles Byers, Jr.



Name

Certification No. **106-4122**

Expires on **01/18/19**

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

State of California Department of Public Health

**Lead-Related
Construction
Certificate**

Certificate
Type

Expiration
Date

Inspector/Assessor

06/05/2018



David R. Schack

ID #: 1104

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

David R Schack



Name

Certification No. **92-0219**

Expires on **07/09/18**

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

Appendix G

**Previous Survey:
CTL Environmental 2008**



REPORTED: April 7, 2008

CTL PROJECT NO.: 108-0085

CLIENT: Santa Monica Malibu
Unified School District
1651 16th Street
Santa Monica, California 90404

ATTENTION: Mr. Wally Berriman

REF: Asbestos Survey
John Adams Middle School
2425 16th Street
Santa Monica, California 90405

INVESTIGATION

On February 21, 2008, February 22, 2008, February 25, 2008 and February 26, 2008, CTL Environmental Services (CTL) conducted an investigation for the presence of asbestos-containing materials (ACMs) at John Adams Middle School located at 2425 16th Street, California. The survey included the following:

- (a) An initial investigation to locate suspect ACMs
- (b) Physical assessment of suspect materials
- (c) The collection of bulk samples from suspect materials
- (d) Laboratory analysis of all collected samples

Santa Monica Unified School District located in Santa Monica, California, retained CTL for this investigation. Fabian Ruvalcaba, a Cal-OSHA Certified Site Surveillance Technician and EPA-accredited Building Inspector employed by CTL, conducted the sampling.

METHODOLOGY

The sampling was conducted using guidelines set forth in Federal Register *40 CFR Part 763*.

Based on the requirements of the United States Environmental Protection Agency (USEPA) as set forth in *40 CFR 763*, a homogeneous area is defined as “an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture”. Furthermore, the regulation requires that a minimum number of samples be collected from each identified homogeneous area. If one sample in a homogeneous area is found to contain asbestos, the entire homogeneous area is considered to be asbestos-containing.

It is possible that one sample out of a set of samples collected from a homogeneous area can be positive for asbestos and the remaining samples in the homogeneous area are negative. However, the entire area must be considered as asbestos-containing.

Caution is advised in interpreting results provided herein.

Bulk samples collected from the subject site were subsequently analyzed by Polarized Light Microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency (EPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AmeriSci Los Angeles, a NVLAP-accredited laboratory located in Carson, California.

RESULTS

The following materials were found to be asbestos-containing.

Building A (Rooms 92-100)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|--|-----------------------------------|---|--|
| Rough plaster | JAA-02-01 JAA-02-02 | Room 93A, janitor's closet, heater closet | 2% Chrysotile |
| Gypsum board with joint compound | JAA-03-01 through JAA-03-03 | Under 12"x12" random peghole ceiling tile: storage 2, room 93, 94, 95, 96, 97, 98, 98A, 99, 100, 94A, 94B, 94C, 93B | None detected - 3% Chrysotile |
| 9"x9" light green with dark green streaks floor tile with mastic | JAA-04-01 | Room 100A, 100B | 2% Chrysotile (tile) 8% Chrysotile (mastic) |
| 9" gray with black streaks floor tile with mastic | JAA-06-01 | Room 98C | 5% Chrysotile (tile) None detected (mastic) |
| Hard pipe fitting insulation | JAA-07-01 JAA-07-02 | Room 95, 100 | 20% Chrysotile |
| Stucco | 5518-5523 | Exterior walls | <1% Chrysotile |
| Blue carpet glue with black residual mastic | 5536 | Room 92, storage 2, room 100, 100C | 3% Chrysotile |
| Chalk boards* | N/A | All classrooms | Assumed |
| Window putty | JAD-01-01 | Exterior windows | Positive |
| Carpet and wood flooring, mastic* | N/A | Room storage 1, work room, all heater closets | Assumed |

NOTES:

*These materials shall be sampled prior to disturbance during construction

Roof was not inspected.

Building B (Cafeteria)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|---|--------------------------|--|--|
| 1'x1' random large and small peg hole ceiling tile with mastic | JAB-04-01A JAB-04-01B | Serving area, kitchen, eating area 2 | None detected (tile) 2% Chrysotile (mastic) |
| Cement asbestos access panels (2'x4')* | N/A | Hallway west and east ceiling | Assumed |
| Button board* | N/A | Under smooth and rough plaster walls, men's and women's restrooms, hallway east and west, eating area 1 and 2, serving area, staff dining room, kitchen, storage 2 | Assumed |
| Freezer insulation (encased in metal)* | N/A | Freezer | Assumed |

NOTES:

***The materials shall be sampled prior to disturbance during construction.**

Roof was not inspected.

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|--|--------------------------|------------------------------|---|
| Acoustical plaster ceiling | JAC-07-01 | Room 114 | 3% Chrysotile |
| 9"x9" tan with brown streaks floor tile with mastic | JAC-11-01 | Room 111 | 5% Chrysotile (tile) 10% Chrysotile (mastic) |
| 9"x9" brown and dark brown streaks floor tile with mastic | JAC-12-01 | Room 114, 113 | 5% Chrysotile (tile) 10% Chrysotile (mastic) |
| 9"x9" off white with green streak floor tile with mastic | JAC-13-01 | Room 106, 102, lounge | 2% Chrysotile (tile) 10% Chrysotile (mastic) |
| Chalkboard mastic* | N/A | Hallway A | Assumed |

NOTES:

***The material shall be sampled prior to disturbance during construction**

Roof was not inspected.

Building D (Room 90-91)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|--------------|---------------|-------------------|------------------|
| Window putty | JAD-01-01 | Exterior windows | 2% Chrysotile |
| Stucco | JAD-13-13-01 | Exterior walls | 2% Chrysotile |
| Chalkboards* | N/A | Room 90 and 91 | Assumed |

NOTES:

Wood walls predominant in room 90 and 91.

Room 90B was not accessible.

***The material shall be sampled prior to disturbance during construction**

Roof was not inspected.

Building E (Room 87-89)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|--------------|---------------|-------------------|------------------|
| Window putty | JAD-01-02 | Exterior windows | 2% Chrysotile |
| Stucco | JAB-13-01 | Exterior walls | 2% Chrysotile |
| Chalkboards* | N/A | Room 87, 88, 89 | Assumed |

NOTES:

***The material shall be sampled prior to disturbance during construction**

Roof was not inspected.

Building F (Room 84-86)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|--------------|---------------|-------------------|------------------|
| Stucco | JAD-13-01 | Exterior walls | 2% Chrysotile |
| Chalkboards* | N/A | Room 84, 85, 86 | Assumed |

NOTES:

Wood walls were predominant in rooms 84, 85, 86.

***The material shall be sampled prior to disturbance during construction**

Roof was not inspected.

Building G (Rooms 82-83)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|-----------------------------------|---------------|---------------------------|-------------------------------|
| Window Putty | JAD-01-03 | Exterior windows | 2% Chrysotile |
| Pipe insulation | JAD-07-01 | Room 82 along east wall | 25% Chrysotile 30% Amosite |
| Sink under coating | JAD-09-01 | Room 82 at sinks | 20% Chrysotile |
| Asbestos containing cement panel* | N/A | Room 10 at northwest desk | Assumed |
| Chalkboards* | N/A | Room 82, 83 | Assumed |
| Stucco | JAD-13-01 | Exterior walls | 2% Chrysotile |

NOTES:

Wood walls were predominant in rooms 82 and 83.

Room 83A was not accessible.

*The materials shall be sampled prior to disturbance during construction. Roof was not inspected

Building H (Room 80-81)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|--------------|---------------|-------------------|------------------|
| Window putty | JAD-01-01 | Exterior windows | 2% Chrysotile |
| Stucco | JAD-13-01 | Exterior walls | 2% Chrysotile |

Notes:

Roof was not inspected.

Building J (Room 26-27)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|----------------------------------|-----------------------------------|-------------------------------|------------------|
| Smooth plaster | JAJ-01-01 JAJ-01-02 | Staff restrooms and room 26 A | 2% Chrysotile |
| Gypsum board with joint compound | JAJ-02-01 through JAJ-02-03 | Room 26; 26B-5; 27 A-C | 5% Chrysotile |
| Stucco | JAJ-05-01 | Exterior walls | 2% Chrysotile |
| Blue carpet glue * | N/A | Room 26, 26D-26J | Assumed |
| 1'x1' fissured ceiling tile* | N/A | Room 26, 27 | Assumed |

NOTES:

*These materials should be sampled prior to disturbance during construction.

Roof was not inspected.

Building K (Auditorium)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|-----------------------------------|-----------------------------------|--|-----------------------------|
| Acoustical plaster (wall ceiling) | JAK-06-01 through JAK-06-03 | Room 25, auditorium, auditorium northwest exit, storage east | 2%-7% Chrysotile |
| Wood flooring* | N/A | Stage, hallway, janitor's closet 1, auditorium, mezzanine level | Assumed |
| Gray carpet glue* | N/A | Auditorium | Assumed |
| Blue carpet glue* | N/A | Room 25 | Assumed |

NOTES:

*These materials shall be sampled prior to disturbance during construction.

Roof was not inspected.

Building L (Room 70-73)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|-----------------|--------------------------|------------------------------|----------------------------------|
| Window putty | JAL-07-01 | Exterior windows | 3% Chrysotile |
| Stucco | JAL-06-01, 5714-5718 | Exterior walls | None detected- <1% Chrysotile |
| Chalk boards* | N/A | Room 70-73 | Assumed |

NOTES:

*The material shall be sampled prior to disturbance during construction.

Roof was not inspected.

Building N (Library)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|----------------------------|--------------------------|------------------------------|-----------------------------|
| Acoustical plaster ceiling | JAN-04-01 JAN-04-02 | Library | 2% Chrysotile |

NOTES:

Roof was not inspected.

Building P (Rooms 44-47 & 54-57)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|------------------------------|---------------|-------------------------|----------------------------------|
| Acoustical plaster (ceiling) | JAN-04-03 | Room 54-57, 47, 47A, 45 | 2% Chrysotile |
| Stucco | 5744-5750 | Exterior walls | None detected- <1% Chrysotile |
| Chalk boards* | N/A | Room 54-57, 47, 47A, 45 | Assumed |
| Blue carpet glue* | N/A | Room 54-57 | Assumed |
| 12" fissured ceiling tile* | N/A | Room 54-57, 47, 47A | Assumed |

NOTES:

The materials shall be sampled prior to disturbance during construction.

Roof was not inspected.

Building Q (Rooms 14-15, 32-34)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|------------------------------|---------------|--|------------------|
| Acoustical plaster (ceiling) | JAN-04-05 | Room 32-34, waiting room counselor's A, B, C, hallway A, administration office, lobby room, 34A& 34B, principal's office, 14, 15 | 2% Chrysotile |
| Blue carpet glue* | N/A | Room 32-34, waiting room, counselor A, B, C, principal's office | Assumed |
| 12" fissured ceiling tile* | N/A | Counselor B, hallway A, administration office, copy room, principal's office | Assumed |
| Transite chalkboards* | N/A | Rooms 32-34, 14-15 | Assumed |

NOTES:

***The materials shall be sampled prior to disturbance during construction.**

Building R (Rooms 16-18)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|-----------------------------------|-----------------------------|-------------------|------------------|
| Gypsum board with joint compound | JAR-03-01 through JAR-03-03 | Rooms 16, 17, 18 | 2% Chrysotile |
| 4" black cove base with adhesive* | N/A | Rooms 16, 17, 18 | Assumed |

NOTES:

***The material shall be sampled prior to disturbance during construction**

Roof was not inspected.

Building S (Rooms 50-53)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|------------------------------|---------------|---------------------|------------------|
| Acoustical plaster (ceiling) | JAN-04-04 | Rooms 50-53, 52 A&B | 2% Chrysotile |
| Blue carpet* | N/A | Rooms 50-53, 52A | Assumed |
| 12" fissured ceiling tile* | N/A | Rooms 50-53 | Assumed |

NOTES:

***The materials shall be sampled prior to disturbance during construction**

Building T (Rooms 21, 23, 30, 31)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|----------------------------------|------------------------|--|------------------|
| Gypsum board with joint compound | JAN-05-02 JAN-05-03 | Community liaison, assistant principal's office 2 | 2% Chrysotile |
| Acoustical plaster ceiling | JAN-04-04 | Rooms 21, 23, 30, 31, attendance office, assistant principal's office, 1, 2, community liaison | 2% Chrysotile |
| Chalkboards* | N/A | Rooms 21, 23, 30, 31 | Assumed |
| Blue carpet glue* | N/A | Community Liaison, staff lounge and rooms 21 & 23 | Assumed |
| 12" fissured ceiling tile* | N/A | Community Liaison, staff lounge and rooms 21 & 24 | Assumed |

NOTES:

***The materials shall be sampled prior to disturbance during construction.**

Roof was not inspected.

Building U (Rooms 10-13)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|----------------------------|---------------|----------------------|------------------|
| Acoustical plaster ceiling | JAN-04-04 | Rooms 10, 11, 12, 13 | 2% Chrysotile |
| Chalkboards* | N/A | Rooms 10, 11, 12, 13 | Assumed |
| Blue carpet glue* | N/A | Rooms 10, 11, 12, 13 | Assumed |

NOTES:

The materials shall be sampled prior to disturbance during construction.

Roof was not inspected.

Building V (Rooms 22-24)

| MATERIAL | SAMPLE NUMBER | MATERIAL LOCATION | ASBESTOS CONTENT |
|------------------------------|--------------------------|------------------------------|-----------------------------|
| Chalkboards* | N/A | Room 22, 24 | Assumed |
| Acoustical plaster (ceiling) | JAN-04-04 | Room 22, 24 | 2% Chrysotile |
| Blue carpet glue* | N/A | Rooms 22, 24 | Assumed |
| 12" fissured ceiling tile* | N/A | Rooms 22, 24 | Assumed |

NOTES:

***The materials shall be sampled prior to disturbance during construction
Roof was not inspected.**

The results for all other materials sampled were reported as "None Detected" based upon the limitations of the analytical method. Please refer to the attached Material Inventory for a complete listing of materials sampled, locations and material conditions.

If any materials are found to contain greater than one-tenth of one percent of asbestos by weight as determined by Polarized Light Microscopy (PLM) method of analysis, Cal-OSHA mandates that the material(s) be treated as an asbestos-containing construction material (ACCM) and are subject to regulation under *CCR Title 8, Section 1529*.

If any materials are found to contain more than one percent asbestos by weight as determined by Polarized Light Microscopy (PLM) method of analysis, U.S. EPA mandates that the material(s) be treated as asbestos-containing materials (ACM) and are subject to regulation under *40 CFR 61*.

All repair and/or removal work and subsequent disposal should be performed by a licensed asbestos abatement contractor prior to any disturbance of any materials determined to contain asbestos.

For the ACMs identified in this report, dry sawing, sanding, or drilling should be avoided. Additional suspect materials may be exposed during demolition and/or renovation activities; such materials should be sampled and analyzed prior to further disturbance.

CONCLUSIONS AND RECOMMENDATIONS

Any damaged asbestos materials should be removed, repaired, encapsulated, or enclosed. The EPA also recommends that all asbestos materials be removed prior to any renovation or demolition activities that may impact the material. The EPA recommends a pro-active, in-place management program be put in place whenever asbestos is discovered in a building. Asbestos materials that are not damaged may be managed in place with a good operations and maintenance program.

ASSUMPTIONS AND LIMITATIONS

This report has been prepared for the exclusive use of Santa Monica-Malibu Unified School District. In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the standard of practice measured on the date of work in the locale of the project site for similar type studies.

CTL has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions to the extent that they have not been contradicted by data obtained from other sources. Accordingly, CTL accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed. In addition, CTL will not accept liability for any loss, injury, claim, or damage arising directly or indirectly from any use or reliance on this report. CTL makes no warranty, expressed or implied.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals, and notifications should in all cases be addressed in a separate and independent bidding and contract document.

If you have any questions, please feel free to contact the undersigned at (310) 530-5006. We appreciate the opportunity to be of service to Santa Monica-Malibu School District.

Respectfully submitted by,
CTL Environmental Services

Reviewed by,
CTL Environmental Services

Fabian Ruvalcaba, CSST
Cal-OSHA Cert. #06-4088

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MT/ebj

TABLE OF CONTENTS

EXECUTIVE SUMMARY

| | |
|---------------------------------------|----|
| INVESTIGATION..... | 1 |
| METHODOLOGY | 1 |
| RESULTS | 2 |
| CONCLUSIONS AND RECOMMENDATIONS | 9 |
| ASSUMPTIONS AND LIMITATIONS | 10 |

TABLES/APPENDICES

A. Material Inventory

Summary of Bulk Sample Analysis
Sample Identification
Sample Description
Estimated Quantities

B. Laboratory Analysis Report

C. Sample Locations

D. CTL Employee Certifications

E. Cape Environmental Report, 1992

EXECUTIVE SUMMARY

APPENDIX A

MATERIAL INVENTORY:

**SUMMARY OF BULK SAMPLE ANALYSIS
SAMPLE IDENTIFICATION
SAMPLE DESCRIPTION
ESTIMATED QUANTITIES**

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 1 of 48

Building A (Rooms 92-100)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|-----------------------------------|--|---|---|---------------------|----------------|---------------|
| Smooth plaster | JAA-01-01 JAA-01-02 | None detected | Previously sampled (Cape Env. 1992) | Room 92, storage 1, work room, 96B, room 98D, 98C, 94B | 2,500 sq. ft. | No | No |
| Smooth plaster | 5524 | None detected | Room 96B, north wall center | Room 92, storage 1, walk room, 96b, room 98D, 98C, 94B | 2,500 sq. ft. | No | No |
| Smooth plaster | 5525 | None detected | Room 98C, southwest corner | Room 92, storage 1, work room, 96B, room 98D, 98C, 94B | 2,500 sq. ft. | No | No |
| Smooth plaster | 5526 | None detected | Room 92, storage 1, east wall center | Room 92, storage 1, work room, 96B, room 98D, 98C, 94B | 2,500 sq. ft. | No | No |
| Rough plaster | JAA-02-01 JAA-02-02 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Room 93A, janitor's closet, heater closet | 300 sq. ft. | No | No |
| Gypsum board with joint compound | JAA-03-01 through JAA-03-03 | None detected - 3% Chrysotile | Previously sampled (Cape Env. 1992) | Under 12"x12" random peghole ceiling tile : storage 2, room 93, 94, 95, 96, 97, 98, 98A, 99, 100, 94A, 94B, 94C, 93B | 8,000 sq. ft. | No | No |
| 9"x9" light green with dark green streaks floor tile with mastic | JAA-04-01 | 2% Chrysotile (tile) 8% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Room 100A, 100B | 200 sq. ft. | No | No |
| 12"x12" dark brown floor tile with mastic | JAA-05-01 through JAA-05-03 | None detected (tile and mastic) | Previously sampled (Cape Env. 1992) | Room 98, 98A, 98D (under 12"x12" gray speckled floor tile) | 1,000 sq. ft. | No | No |
| 9" gray with black streaks floor tile with mastic | JAA-06-01 | 5% Chrysotile (tile) None detected (mastic) | Previously sampled (Cape Env. 1992) | Room 98C | 100 sq. ft. | No | No |
| Hard pipe fitting insulation | JAA-07-01 JAA-07-02 | 20% Chrysotile | Previously sampled (Cape Env. 1992) | Room 95, 100 | 2 fitting | No | No |
| 1'x1' random peghole ceiling tile | JAA-08-01 A& B | None detected | Previously sampled (Cape Env. 1992) | Walls and ceilings : rooms 93, 94, 95, 96, 97, 98, 98A, 99, 100, 94A, 94B, 94C, 93B | 10,000 sq. ft. | No | No |
| Pipe insulation | JAA-11-01 JAA-11-02 | None detected | Previously sampled (Cape Env. 1992) | Room 95, 100 | 10 ln. ft. | No | No |
| Stucco | JAA-10-01 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 5,500 sq. ft. | No | No |
| Stucco | 5518 | <1% Chrysotile | Exterior, room 92 southwest corner | Exterior walls | 5,500 sq. ft. | No | No |

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 2 of 48

Building A (Rooms 92-100)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|--------------------------|-----------------------------|---|---|-------------------------|----------------|---------------|
| Stucco | 5519 | <1% Chrysotile | Exterior, south wall center | Exterior walls | 5,500 sq. ft. | No | No |
| Stucco | 5520 | <1% Chrysotile | Exterior, room 93 northwest corner | Exterior walls | 5,500 sq. ft. | No | No |
| Stucco | 5521 | <1% Chrysotile | Exterior, southeast corner | Exterior walls | 5,500 sq. ft. | No | No |
| Stucco | 5522 | <1% Chrysotile | Exterior, room 99 northwest corner | Exterior walls | 5,500 sq. ft. | No | No |
| Stucco | 5523 | <1% Chrysotile | Exterior, between room 99 and 100, north center | Exterior walls | 5,500 sq. ft. | No | No |
| Button board | 5527 | None detected | Room 92, storage 1, east wall center | Room 92, storage 1, work room, 96B, room 98D, 98C, 94B (under smooth wall plaster) | 2,500 sq. ft. | No | No |
| Joint compound | 5528 | None detected | Room 92, storage 3, northwest corner | Heater closet and dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99, 100 | 4,500 sq. ft. | No | No |
| Joint compound | 5529 | None detected | Room 95, southwest corner | Heater closet and dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99, 100 | 4,500 sq. ft. | No | No |
| Joint compound | 5530 | None detected | Room 99, heater closet, northwest corner | Heater closet and dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99, 100 | 4,500 sq. ft. | No | No |
| Joint compound | 5531 | None detected | Room 97, southeast corner | Heater closet and dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99, 100 | 4,500 sq. ft. | No | No |
| Joint compound | 5532 | None detected | Room 96, southwest corner | Heater closet and dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99, 100 | 4,500 sq. ft. | No | No |
| Drywall | 5533 | None detected | Room 92, storage 3, northwest | Heater closet and dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99, 100 | 4,500 sq. ft. | No | No |
| Composite drywall with joint compound | 5534 | None detected | Room 98, heater closet, northeast | Heater closet and dividing walls in rooms 92, 93, 94, 95, 96, 97, 98, 99, 100 | 4,500 sq. ft. | No | No |
| 12"x12" gray speckled floor tile with adhesive with black residual mastic | 5535 | None detected | Room 97, southeast corner | Room 92, 93, 94, 95, 96, 96B, 97, 98, 98D, 98A, 94, 100, 100C, 94A, 94B, 94C, 93B, 93C, 93D | 8,000 sq. ft. | No | No |

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 3 of 48

Building A (Rooms 92-100)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|----------------------|-------------------------|--------------------------------------|--|---------------------|----------------|---------------|
| Blue carpet glue with black residual mastic | 5536 | 3% Chrysotile | Room 97, northeast corner | Room 92, storage 2, room 100, 100C | 2,500 sq. ft. | No | No |
| Gray carpet glue | 5537 | None detected | Room 95, north center | Room 95 | 1,000 sq. ft. | No | No |
| 2" gray cove base with adhesive | 5538 | None detected | Room 96, southeast corner | Room 93, 96, 97, 96B, 98, 98A, 99, 93B, 93C, 93D | 300 ln. ft. | No | No |
| 4" black cove base with adhesive | 5539 | None detected | Room 95, southeast corner | Room 95 | 120 ln. ft. | No | No |
| 6" gray cove base with adhesive | 5540 | None detected | Room 96, southeast corner | Room 93, 96, 97, 96B, 98, 98A, 99, 93B, 93C, 93D | 300 ln. ft. | No | No |
| Gray duct sealant | 5541 | None detected | Room 97, heater closet, south center | At all heater closets on HVAC units | 20 sq. ft. | No | No |
| Chalk boards | N/A | Assumed | No sample collected | All classrooms | 400 sq. ft. | No | No |
| Window putty | JAD-01-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 200 ln. ft. | No | No |
| Carpet and wood flooring, mastic | N/A | Assumed | No sample collected | Room storage 1, work room, all heater closets | 400 sq. ft. | No | No |

NOTES:

***The materials shall be sampled prior to disturbance during construction.**
Roof was not inspected.

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 107-0008
PROJECT NAME: John Adams Middle School

Page 4 of 48

Building B (Cafeteria)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------|--|--|---|---------------|---------|--------|
| 2'x4' random pinhole and groove ceiling tile | JAB-02-01 through JAB-02-03 | None detected | Previously sampled (Cape Env. 1992) | Eating area 1 (ceiling, staff dinning room) | 2,000 sq. ft. | No | No |
| 1'x1' random large and small peghole ceiling tile with mastic | JAB-04-01A JAB-04-01B | None detected (tile) 2% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Serving area, kitchen, eating area 2 | 1,200 sq. ft. | Yes | No |
| Rough plaster ceiling | JAB-05-01 through JAB-05-03 | None detected | Previously sampled (Cape Env. 1992) | Men and women's restroom, hallway west | 500 sq. ft. | No | No |
| Smooth plaster | JAB-06-01 JAB-06-02 | None detected | Previously sampled (Cape Env. 1992) | Eating area 1, 2, serving area, staff dining, kitchen, storage 2, hallway east and west | 4,500 sq. ft. | No | No |
| Smooth plaster | 5548 | None detected | Kitchen, north wall center | Eating area 1, 2, serving area, staff dining, kitchen, storage 2, hallway east and west | 4,500 sq. ft. | No | No |
| Smooth plaster | 5549 | None detected | Hallway, at entry to snack bar | Eating area 1, 2, serving area, staff dining, kitchen, storage 2, hallway east and west | 4,500 sq. ft. | No | No |
| Smooth plaster | 5550 | None detected | Serving area, north wall center | Eating area 1, 2, serving area, staff dining, kitchen, storage 2, hallway east and west | 4,500 sq. ft. | No | No |
| Stucco | 5542 | None detected | Exterior, eating area, southeast corner | Exterior walls | 7,200 sq. ft. | No | No |
| Stucco | 5543 | None detected | Exterior, women's restroom, northwest corner | Exterior walls | 7,200 sq. ft. | No | No |
| Stucco | 5544 | None detected | Exterior, storage 2 northeast corner | Exterior walls | 7,200 sq. ft. | No | No |
| Stucco | 5545 | None detected | Exterior, eating area by northeast entry | Exterior walls | 7,200 sq. ft. | No | No |
| Stucco | 5546 | None detected | Exterior, eating area by northwest entry | Exterior walls | 7,200 sq. ft. | No | No |
| Stucco | 5547 | None detected | Exterior, kitchen north center wall | Exterior walls | 7,200 sq. ft. | No | No |
| Joint compound | 5551 | None detected | Eating area, southwest corner | Eating area 1, kitchen | 3,500 sq. ft. | No | No |
| Joint compound | 5552 | None detected | Eating area, at northwest entry | Eating area 1, kitchen | 3,500 sq. ft. | No | No |
| Joint compound | 5553 | None detected | Kitchen, northwest corner on column | Eating area 1, kitchen | 3,500 sq. ft. | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 107-0008
PROJECT NAME: John Adams Middle School

Page 5 of 48

Building B (Cafeteria)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|--------------------------|---|---|--|---------------|---------|--------|
| Joint compound | 5554 | None detected | Eating area, at southeast entry | Eating area 1, kitchen | 3,500 sq. ft. | No | No |
| Joint compound | 5555 | None detected | Eating area, northeast corner | Eating area 1, kitchen | 3,500 sq. ft. | No | No |
| Drywall | 5556 | None detected | Eating area, 15' south of northeast entry | Eating area 1, kitchen | 3,500 sq. ft. | No | No |
| Composite drywall with joint compound | 5557 | None detected | Eating area, 15' south of northeast entry | Eating area 1, kitchen | 3,500 sq. ft. | No | No |
| 12"x12" gray speckled floor tile with adhesive | 5558 | None detected | Eating area, north center | Eating area 1, staff dining, hallway west | 2,800 sq. ft. | No | No |
| 4" gray cove base with adhesive | 5559 | None detected | Eating area, at southeast entry | Eating area 1, staff dining, hallway west | 200 ln. ft. | No | No |
| Blue flooring composite | 5560 | None detected | Eating area 2, floor center | Eating area 2, serving area, kitchen | 2,000 sq. ft. | No | No |
| Window putty | 5561 | None detected | Exterior, eating room northwest corner | Eating area 1, perimeter window frames | 200 ln. ft. | No | No |
| Cementitious wall panel | 5562 | None detected | Eating area, east wall center | Eating area 1, east wall on drywall | 150 sq. ft. | No | No |
| Cement asbestos access panels (2'x4')* | N/A | Assumed | Not sampled to avoid damage | Hallway west and east ceiling | 2 panels | No | No |
| Button board* | N/A | Assumed | Not sampled to avoid damage | Under smooth and rough plaster walls, men's and women's restrooms, hallway east and west, eating area 1 and 2, serving area, staff dining room, kitchen, storage 2 | 5,000 sq. ft. | No | No |
| Freezer insulation *(encased in metal) | N/A | Assumed | Not sampled to avoid damage | Freezer | 200 sq. ft. | No | No |
| 9"x9" red floor tile with mastic | JAB-01-01 | 3% Chrysotile (tile) 2% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |
| 1'x1' large and small peghole ceiling tile with mastic | JAB-03-01A JAB-03-01B | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |
| Hot water tank insulation | JAB-10-01 | 3% Chrysotile 25% Amosite 20% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |
| Hard pipe insulation | JAB-11-01 | 20% Chrysotile 30% Amosite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |
| Hard pipe insulation fitting | JAB-12-01 | 3% Chrysotile 20% Amosite 25% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |

***MATERIAL INVENTORY
ASBESTOS***

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 107-0008
PROJECT NAME: John Adams Middle School

Page 6 of 48

Building B (Cafeteria)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-------------------------|--------------------------|-----------------------------|--|--|---------------------|----------------|---------------|
| Duct insulation | JAB-13-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |
| Soft pipe insulation | JAB-14-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |
| Boiler flue insulation | JAB-15-01 | 60% Chrysotile | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |
| Furnace flue insulation | JAB-16-01 | 60% Chrysotile | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | No | No |

NOTES:

***The materials should be sampled prior to disturbance during construction**

Roof was not inspected.



CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------|-----------------------------------|-----------------------------|--|---|-------------------------|----------------|---------------|
| Smooth plaster | JAC-01-01 through JAC-01-03 | None detected | Previously sampled (Cape Env. 1992) | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 6,500 sq. ft. | No | No |
| Smooth plaster | 5570 | None detected | Room 104, northeast corner | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------|--------------------------|-----------------------------|-------------------------------------|--|-------------------------|----------------|---------------|
| Smooth plaster | 5571 | None detected | Room 106, northwest corner | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |
| Smooth plaster | 5572 | None detected | Girls locker room, northwest corner | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------------|---------------------------------|-------------------------------------|--|-------------------------|----------------|---------------|
| Smooth plaster | 5573 | None detected | Boys shower, west wall center | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |
| 1'x1' random peghole ceiling tile with mastic | JAC-02-01 A JAC-02-01 B | None detected | Previously sampled (Cape Env. 1992) | Not observed as previously stated | NA sq. ft. | No | No |
| 1'x1' peghole rows ceiling tile with mastic | JAC-03-01 A JAC-03-01 B | None detected | Previously sampled (Cape Env. 1992) | Not observed as previously stated | NA sq. ft. | No | No |
| Rough plaster | JAC-04-01 through JAC-04-03 | None detected | Previously sampled (Cape Env. 1992) | Room 114, 113, 111, hallway D, boys locker room, mech room, 118, 101 | 4,000 sq. ft. | No | No |
| Rough plaster | 5574 | None detected | Room 114, south wall center | Room 114, 113, 111, hallway D, boys locker room, mech room, 118, 101 | 4,000 sq. ft. | No | No |
| Rough plaster | 5575 | None detected | Boys locker, northwest corner | Room 114, 113, 111, hallway D, boys locker room, mech room, 118, 101 | 4,000 sq. ft. | No | No |
| 1'x1' grooved ceiling tile with mastic | JAC-05-01 A JAC-05-01 B | None detected (tile and mastic) | Previously sampled (Cape Env. 1992) | Room 102, 114, 113 | 500 sq. ft. | No | No |
| Acoustical plaster ceiling | JAC-07-01 | 3% Chrysotile | Previously sampled (Cape Env. 1992) | Room 114 | 120 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|--------------------------|---|--|--|-------------------------|----------------|---------------|
| 9"x9" tan with brown streaks floor tile with mastic | JAC-11-01 | 5% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Room 111 | 220 sq. ft. | No | No |
| 9"x9" brown and dark brown streaks floor tile with mastic | JAC-12-01 | 5% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Room 114, 113 | 150 sq. ft. | No | No |
| 9"x9" off white with green streak floor tile with mastic | JAC-13-01 | 2% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Room 106, 102, lounge | 650 sq. ft. | No | No |
| Stucco | 5563 | None detected | Exterior, basketball court, east center | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5564 | None detected | Exterior, west center by entry to hallway B | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5565 | None detected | Exterior, girls locker room, north center | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5566 | None detected | Exterior, boys locker room, southeast corner | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5567 | None detected | Exterior, room 118, southwest corner | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5568 | None detected | Exterior, room 106, northwest | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5569 | None detected | Exterior, by hallway C, west entry | Exterior walls | 12,000 sq. ft. | No | No |
| Texture coating | 5576 | None detected | Boys locker, north center | Boys locker (on rough plaster walls and ceiling) | 1,000 sq. ft. | No | No |
| Texture coating | 5577 | None detected | Boys locker, southwest corner | Boys locker (on rough plaster walls and ceiling) | 1,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|--------------------------|-----------------------------|--|--|-------------------------|----------------|---------------|
| Texture coating | 5578 | None detected | Boys locker, east wall center | Boys locker (on rough plaster walls and ceiling) | 1,000 sq. ft. | No | No |
| Joint compound | 5579 | None detected | Room 116, northeast corner | Room 116 | 250 sq. ft. | No | No |
| Joint compound | 5580 | None detected | Room 116, northwest corner | Room 116 | 250 sq. ft. | No | No |
| Joint compound | 5581 | None detected | Room 116, southwest corner | Room 116 | 250 sq. ft. | No | No |
| Drywall | 5582 | None detected | Room 116, west wall center | Room 116 | 250 sq. ft. | No | No |
| Composite drywall with joint compound | 5583 | None detected | Room 116, southwest corner | Room 116 | 250 sq. ft. | No | No |
| 12" gray speckled floor tile with mastic | 5584 | None detected | Lounge, northwest corner | Room 102, lounge, 114, 113, equipment room, 116 | 500 sq. ft. | No | No |
| 2" gray cove base with adhesive | 5585 | None detected | Room 102, by restroom | Room 102, lounge, 114, 113, boys equipment room, 116 | 200 ln. ft. | No | No |
| 4" green cove base with adhesive | 5586 | None detected | Room 106, west wall center | Room 106 | 20 ln. ft. | No | No |
| 4" pink cove base with adhesive | 5587 | None detected | Girls locker, equipment area, northeast | Girls equipment room | 80 ln. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|----------------------------|--|--|---|--------------|---------|--------|
| Window putty | 5588 | None detected | Exterior girls locker area, north center entry | Exterior window frames at north center entry to girls locker area | 10 ln. ft. | No | No |
| Cementitious bench panels | 5589 | None detected | Girls locker area, shower for handicap, bench | Girls locker area, handicap shower bench | 5 sq. ft. | No | No |
| Chalkboard mastic* | N/A | Assumed | Not sampled to avoid damage | Hallway A | 10 sq. ft. | No | No |
| 1'x1' random pinhole ceiling tile with mastic | JAC-08-01 A JAC-08-01 B | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Tank insulation | JAC-09-01 | 20% Chrysotile 30% Amosite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Pipe fitting insulation | JAC-10-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Tank insulation | JAC-14-01 | 20% Chrysotile 2% Amosite 25% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Tank insulation | JAC-14-02 | 25% Chrysotile <1% Amosite 25% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Hard pipe insulation | JAC-15-01 | 35% Chrysotile 15% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction.

Roof was not inspected.



CTL Environmental Services

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 7 of 42

Building D (Room 90-91)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|----------------------|-------------------------|--|---|---------------------|----------------|---------------|
| Window putty | JAD-01-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 200 ln. ft. | No | No |
| Smooth plaster | JAD-06-04 | None detected | Previously sampled (Cape Env. 1992) | Room 90B | 200 sq. ft. | No | No |
| Smooth plaster | 5595 | None detected | Room 90B, north center | Room 90B | 200 sq. ft. | No | No |
| Smooth plaster | 5596 | None detected | Room 90B, southeast corner | Room 90B | 200 sq. ft. | No | No |
| Joint compound | 5590 | None detected | Room 91, southwest heater closet, northeast corner | Room 90 and 91, at entry way and heater closets | 500 sq. ft. | No | No |
| Joint compound | 5591 | None detected | Room 90, at southeast entry | Room 90 and 91, at entry way and heater closets | 500 sq. ft. | No | No |
| Joint compound | 5592 | None detected | Room 90, southwest corner | Room 90 and 91, at entry way and heater closets | 500 sq. ft. | No | No |
| Drywall | 5593 | None detected | Room 91, heater closet, north wall center | Room 90 and 91, at entry way and heater closets | 500 sq. ft. | No | No |
| Composite drywall with joint compound | 5594 | None detected | Room 90, heater closet, northeast corner | Room 90 and 91, at entry way and heater closets | 500 sq. ft. | No | No |
| Button board | 5597 | None detected | Room 90B, southwest corner | Room 90B, under plaster | 200 sq. ft. | No | No |
| 12"x12" random peghole ceiling tile | 5598 | None detected | Room 91, by southeast entry | Room 90 and 91 walls and ceiling | 2200 sq. ft. | No | No |
| 12"x12" gray speckled floor tile with adhesive | 5599 | None detected | Room 91, west center | Room 90 and 91 | 1800 sq. ft. | No | No |
| 6" gray cove base with adhesive | 5600 | None detected | Room 90, northwest corner | Room 90 and 91 | 240 ln. ft. | No | No |
| Stucco | JAD-13-13-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior walls | 200 sq. ft. | No | No |
| 4" gray cove base with adhesive | Same as #5614 | None detected | Building F | Room 90 and 91 | 80 ln. ft. | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Room 90 and 91 | 40 sq. ft. | No | No |

NOTES:

Wood walls predominant in room 90 and 91.

Room 90B was not accessible.

***The material shall be sampled prior to disturbance during construction**

Roof was not inspected.

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 8 of 42

Building E (Room 87-89)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|----------------------|-------------------------|---|---|---------------------|----------------|---------------|
| Window putty | JAD-01-02 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 300 ln. ft. | No | No |
| 1'x1' peghole rows ceiling tile | JAD-03-01 | None detected | Previously sampled (Cape Env. 1992) | Room 87, 88, 89, wall and ceiling | 3200 sq. ft. | No | No |
| Smooth plaster | JAD-06-03 | None detected | Previously sampled (Cape Env. 1992) | At restroom walls and ceiling | 600 sq. ft. | No | No |
| Smooth plaster | 5606 | None detected | Restroom, southeast corner | Restroom walls and ceilings | 600 sq. ft. | No | No |
| Smooth plaster | 5607 | None detected | Restroom, southwest corner | Restroom walls and ceilings | 600 sq. ft. | No | No |
| Joint compound | 5601 | None detected | Room 87, southwest heater closet, northwest | Room 87, 88, 89, at heater closet and by entry ways | 950 sq. ft. | No | No |
| Joint compound | 5602 | None detected | Room 89, southwest corner | Room 87, 88, 89, at heater closet and by entry ways | 950 sq. ft. | No | No |
| Joint compound | 5603 | None detected | Room 88, southeast by entry | Room 87, 88, 89, at heater closet and by entry ways | 950 sq. ft. | No | No |
| Drywall | 5604 | None detected | Room 89, heater closet east center | Room 87, 88, 89, at heater closet and by entry ways | 950 sq. ft. | No | No |
| Composite drywall with joint compound | 5605 | None detected | Room 87, southwest heater closet, northwest | Room 87, 88, 89, at heater closet and by entry ways | 950 sq. ft. | No | No |
| 12"x12" gray speckled floor tile with adhesive | 5608 | None detected | Room 89, north center | Room 87, 88, 89 | 2700 sq. ft. | No | No |
| 6" gray cove base with adhesive | 5609 | None detected | Room 89, west center | Room 87, 88, 89 | 300 ln. ft. | No | No |
| Stucco | JAD-13-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior walls | 3500 sq. ft. | No | No |
| 4" gray cove base with adhesive | 5619 | None detected | Building F | Room 87, 88, 89 | 100 ln. ft. | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Room 87, 88, 89 | 40 sq. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction.
Roof was not inspected.

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 9 of 42

Building F (Room 84-86)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|--------------------------|--|---|---|-------------------------|----------------|---------------|
| Smooth plaster | JAD-06-01 | None detected | Previously sampled (Cape Env. 1992) | Restroom walls and ceiling | 600 sq. ft. | No | No |
| Smooth plaster | 5615 | None detected | Restroom, northeast corner | Restroom walls and ceiling | 600 sq. ft. | No | No |
| Smooth plaster | 5616 | None detected | Restroom, southeast corner | Restroom walls and ceiling | 600 sq. ft. | No | No |
| Stucco | JAD-13-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior walls | 3,500 sq. ft. | No | No |
| Joint compound | 5610 | None detected | Room 84, southeast by entry | Room 84, 85, 86, at heater closets and by entry way | 950 sq. ft. | No | No |
| Joint compound | 5611 | None detected | Room 85, heater closet northeast corner | Room 84, 85, 86, at heater closets and by entry way | 950 sq. ft. | No | No |
| Joint compound | 5612 | None detected | Room 86, heater closet northeast corner | Room 84, 85, 86, at heater closets and by entry way | 950 sq. ft. | No | No |
| Drywall | 5613 | None detected | Room 84, heater closet east wall center | Room 84, 85, 86, at heater closets and by entry way | 950 sq. ft. | No | No |
| Composite drywall with joint compound | 5614 | None detected | Room 84, heater closet northeast corner | Room 84, 85, 86, at heater closets and by entry way | 950 sq. ft. | No | No |
| 12"x12" random peghole ceiling tile | 5617 | None detected | Room 86, northeast corner | Room 84, 85, 86 walls and ceilings | 3200 sq. ft. | Yes | No |
| 12"x12" gray speckled floor tile with adhesive | 5618 | None detected | Room 86, northwest corner | Room 84, 85, 86 | 2,700 sq. ft. | No | No |
| 4" gray cove base with adhesive | 5619 | None detected | Room 85, southeast corner | Room 84, 85, 86 | 150 ln. ft. | No | No |
| 6" gray cove base with adhesive | 5620 | None detected | Room 84, northeast corner | Room 84, 85, 86 | 300 ln. ft. | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Room 84, 85, 86 | 40 sq. ft. | No | No |
| 9" beige with brown streaks floor tile with mastic | JAD-02-01 | 5% Chrysotile (tile) None detected (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 10 of 42

Building F (Room 84-86)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------------|--|--|--|-------------------------|----------------|---------------|
| Sink under coating | JAD-09-02 JAD-09-03 | 10% Chrysotile | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| 12"x12" brown floor tile with mastic | JAD-12-01 through JAD-12-03 | 2% Chrysotile (tile) 5% Chystotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |

NOTES:

Wood walls were predominant in rooms 84, 85, 86.

*The material shall be sampled prior to disturbance during construction.

Roof was not inspected.

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building G (Rooms 82-83)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|----------------------|-------------------------------|-------------------------------------|---|---------------------|----------------|---------------|
| Window Putty | JAD-01-03 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 300 ln. ft. | No | No |
| Smooth plaster | JAD-06-02 | None detected | Previously sampled (Cape Env. 1992) | Room 81 | 300 sq. ft. | No | No |
| Pipe insulation | JAD-07-01 | 25% Chrysotile 30% Amosite | Previously sampled (Cape Env. 1992) | Room 82 along east wall | 40 ln. ft. | No | No |
| Pipe fitting insulation | JAD-08-01 | None detected | Previously sampled (Cape Env. 1992) | Room 82 along east wall | 6 fittings | No | No |
| Sink under coating | JAD-09-01 | 20% Chrysotile | Previously sampled (Cape Env. 1992) | Room 82 at sinks | 10 sq. ft. | No | No |
| Joint compound | 5621 | None detected | Room 82, southeast at entry | Room 82, heater closets and at entry ways | 600 sq. ft. | No | No |
| Joint compound | 5622 | None detected | Room 82, southeast entry north | Room 82, heater closets and at entry ways | 600 sq. ft. | No | No |
| Joint compound | 5623 | None detected | Room 83, by southeast center | Room 82, heater closets and at entry ways | 600 sq. ft. | No | No |
| Drywall | 5624 | None detected | Room 83, southeast by entry | Room 82, heater closets and at entry ways | 600 sq. ft. | No | No |
| Composite drywall with joint compound | 5625 | None detected | Room 83, southeast by entry | Room 82, heater closets and at entry ways | 600 sq. ft. | No | No |
| Smooth plaster | 5626 | None detected | Room 81, northeast corner | Room 81 | 300 sq. ft. | No | No |
| Smooth plaster | 5627 | None detected | Room 81, southeast corner | Room 81 | 300 sq. ft. | No | No |
| 12"x12" straight peghole ceiling tile | 5628 | None detected | Room 82, northeast corner | Room 82, 83, 83A | 2,500 sq. ft. | No | No |
| 12"x12" gray speckled floor tile with adhesive | 5629 | None detected | Room 83, northeast corner | Room 82, 83, 83A | 3,000 sq. ft. | No | No |
| 2" gray cove base with adhesive | 5630 | None detected | Room 83A, southeast corner | Room 82, 83, 83A | 120 ln. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building G (Rooms 82-83)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------------------------|-----------------------------|--|-------------------------------------|---|---------------|---------|--------|
| 6" gray cove base with adhesive | 5631 | None detected | Room 82, northwest corner | Room 82, 83, 83A | 100 ln. ft. | No | No |
| Asbestos containing cement panel* | N/A | Assumed | N/A | Room 10 at northwest desk | 10 sq. ft. | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Room 82, 83 | 40 sq. ft. | No | No |
| Stucco | JAD-13-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior walls | 3,500 sq. ft. | No | No |
| 4" gray cove base with adhesive | Same as #5619 | None detected | Building F | Room 82, 83, 83A | 150 ln. ft. | No | No |
| 9" beige floor tile with mastic | JAD-04-01 | 5% Chrysotile (tile) 2% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| 12" tan floor tile with mastic | JAD-05-01 through JAD-05-03 | 2% Chrysotile (tile) 5% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Boiler flue insulation | JAD-10-01 | 60% Chrysotile | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |

NOTES:

Wood walls were predominant in rooms 82 and 83.

Room 83A was not accessible.

***The material shall be sampled prior to disturbance during construction. inspected.**



CTL Environmental Services

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building H (Room 80-81)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|--------------------------|-----------------------------|-------------------------------------|--|---------------------|----------------|---------------|
| Gypsum board with joint compound | JAD-14-01 | None detected | Previously sampled (Cape Env. 1992) | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| Joint compound | 5632 | None detected | Room C4, restroom, northeast corner | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| Joint compound | 5633 | None detected | Room C3, northwest corner | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| Joint compound | 5634 | None detected | Room C8, southwest corner | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| Joint compound | 5635 | None detected | Room C2, east wall center | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| Joint compound | 5636 | None detected | Room C5, north wall center | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| Joint compound | 5637 | None detected | Room C1, northwest by entry | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| Joint compound | 5638 | None detected | Room C7, south center | C1, C1 restroom, C8, C8A, C7, C5, C4, C5 restroom, C4 restroom, C2, C3 restroom, C3A, C3 | 5,200 sq. ft. | No | No |
| 12"12" gray speckled floor tile with adhesive with black mastic | 5639 | None detected | Room C3, north center | C1, C8, C8A, C7, C5, C4, C2, C3A, C3 | 3,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building H (Room 80-81)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---------------------------------|---------------|------------------|-------------------------------------|--|---------------|---------|--------|
| 2'x4' fissured ceiling panel | 5640 | None detected | Room C1, south center | C1, C2, C3A | 800 sq. ft. | No | No |
| Black sink insulation | 5641 | None detected | Room C5, southeast at sink | C7, C6 (on sink under coating) | 4 sq. ft. | No | No |
| Window putty | JAD-01-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 300 ln. ft. | No | No |
| Stucco | JAD-13-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior walls | 3,800 sq. ft. | No | No |
| 6" gray cove base with adhesive | Same as #5631 | None detected | Building G | Rooms C1, C8, C8A, C7, C5, C4, C2, C3, C3A | 300 ln. ft. | No | No |

Notes:

Roof was not inspected.



CTL Environmental Services

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 15 of 42

Building J (Room 26-27)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|--------------------------------|---|-------------------------------------|---|---------------------|----------------|---------------|
| Smooth plaster | JAJ-01-01 JAJ-01-02 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Staff restrooms and room 26 A | 400 sq. ft. | No | No |
| Gypsum board with joint compound | JAJ-02-01 through JAJ-02-03 | 5% Chrysotile | Previously sampled (Cape Env. 1992) | Room 26; 26B-5; 27 A-C | 3,200 sq. ft. | No | No |
| 12"x12" off white with brown spots floor tile with mastic | JAJ-04-01 through JAJ-04-03 | 2% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | N/A | N/A |
| Stucco | JAJ-05-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Exterior walls | 3,000 sq. ft. | No | No |
| Duct tape on HVAC | JAJ-06-01 through JAJ-04-03 | None detected | Previously sampled (Cape Env. 1992) | HVAC unit ducting | 20 sq. ft. | No | No |
| 6" grey cove base with adhesive | Same as #5631 | None detected | Building G | Room 26, 26D-J, 27, 27B, 27C | 300 ln. ft. | No | No |
| 12"x12" grey speckled floor tile with adhesive | Same as #5629 | None detected | Building G | Room 27, 27B, 27C | 900 sq. ft. | No | No |
| 1'x1' randon peghole ceiling with mastic | JAJ-03-01 A&B | None detected | Previously sampled (Cape Env. 1992) | Room 26, 26B-5 - 27A-C | 1,500 sq. ft. | No | No |
| 1'x1' randon peghole ceiling with mastic | JAJ-03-01 A&B | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | 1,500 sq. ft. | No | No |
| Blue carpet glue* | N/A | Assumed | Not sampled, material not disturbed | Room 26, 26D-26J | 900 sq. ft. | No | No |
| 1'x1' fissured ceiling tile* | N/A | Assumed | Not sampled, material not disturbed | Room 26, 27 | 500 sq. ft. | No | No |

NOTES:

*These materials should be sampled prior to disturbance during construction
Roof was not inspected.

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 16 of 42

Building K (Auditorium)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------------|-------------------------|---|---|---------------------|----------------|---------------|
| 1'x1' peghole rows ceiling tile with mastic | JAK-03-01 A&B | None detected | Previously sampled (Cape Env. 1992) | Room 25 | 900 sq. ft. | Yes | No |
| Acoustical plaster (wall ceiling) | JAK-06-01 through JAK-06-03 | 2%-7% Chrysotile | Previously sampled (Cape Env. 1992) | Room 25, auditorium, auditorium northwest exit, storage east | 2,500 sq. ft. | No | No |
| Stucco | JAK-08-01 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 6,500 sq. ft. | No | No |
| Stucco | 5724 | None detected | Exterior- by room 25 southwest corner | Exterior walls | 6,500 sq. ft. | No | No |
| Stucco | 5725 | None detected | Exterior- auditorium northwest corner | Exterior walls | 6,500 sq. ft. | No | No |
| Stucco | 5726 | None detected | Exterior- auditorium southwest corner | Exterior walls | 6,500 sq. ft. | No | No |
| Stucco | 5727 | None detected | Exterior- restroom 2 east wall center | Exterior walls | 6,500 sq. ft. | No | No |
| Stucco | 5728 | None detected | Exterior- janitor's closet 2-south center | Exterior walls | 6,500 sq. ft. | No | No |
| Stucco | 5729 | None detected | Exterior- by room 25 northeast corner | Exterior walls | 6,500 sq. ft. | No | No |
| Rough plaster | JAK-04-01 JAK-04-02 | None detected | Previously sampled (Cape Env. 1992) | Hallway, janitor's closet 1, men's restroom, women's restroom, storage, janitor's closet 3, ticket booth, stage east & west, mezzanine, auditorium's exits. | 3,500 sq. ft. | No | No |
| Rough plaster | 5730 | None detected | Hallway north wall center | Hallway, janitor's closet, men's restroom, women's restroom, storage, janitor's closet 3, ticket booth, storage east & west, mezzanine, auditorium's exits. | 3,500 sq. ft. | No | No |
| Rough plaster | 5731 | None detected | Stage area- west, northwest corner | Hallway, janitor's closet, men's restroom, women's restroom, storage, janitor's closet 3, ticket booth, storage east & west, mezzanine, auditorium's exits. | 3,500 ln. ft. | No | No |

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 17 of 42

Building K (Auditorium)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|------------------------|-------------------------|--|---|---------------------|----------------|---------------|
| Rough plaster | 5732 | None detected | Stage area-east northeast corner | Hallway, janitor's closet, men's restroom, women's restroom, storage, janitor's closet 3, ticket booth, storage east & west, mezzanine, auditorium's exits. | 3,500 ln. ft. | No | No |
| Smooth plaster | JAK-05-01 JAK-05-02 | None detected | Previously sampled (Cape Env. 1993) | Room 25, restrooms 1 & 2, auditorium, lobby, men's restroom & women's restroom | 3,000 sq. ft. | N/A | N/A |
| Smooth plaster | 5733 | None detected | Room 25, 5' East of Northwest corner | Room 25, restrooms 1 & 2, auditorium, lobby, men's restroom & women's restroom | 3,000 sq. ft. | No | No |
| Smooth plaster | 5734 | None detected | Auditorium-west wall center | Room 25, restrooms 1 & 2, auditorium, lobby, men's restroom & women's restroom | 3,000 sq. ft. | No | No |
| Smooth plaster | 5735 | None detected | Auditorium- east wall center | Room 25, restrooms 1 & 2, auditorium, lobby, men's restroom & women's restroom | 3,000 sq. ft. | No | No |
| Joint compound | 5736 | None detected | Stage area- east wall, north wall west | Stage area east and west | 300 sq. ft. | No | No |
| Joint compound | 5737 | None detected | Stage area- east, north wall center | Stage area east and west | 300 sq. ft. | No | No |
| Joint compound | 5738 | None detected | Stage area- east, north wall east | Stage area east and west | 300 sq. ft. | No | No |
| Drywall | 5739 | None detected | Stage area- east- north wall - center | Stage area east and west | 300 sq. ft. | No | No |
| Composite drywall with joint compound | 5740 | None detected | Stage area- east-north wall-center | Stage area east and west | 300 sq. ft. | No | No |
| 12"x12" randon peghole ceiling tile | 5741 | None detected | Auditorium- south wall center | Auditorium south wall | 150 sq. ft. | No | No |
| White vibration reducer (cloth type) | 5742 | None detected | Mezzanine- HVAC unit | Mezzanine level HVAC units | 10 sq. ft. | No | No |
| Window putty | 5743 | 2% Chrysotile | Exterior stage area east, east center window | Exterior window frames at stage area, east | 10 sq. ft. | No | No |
| 12"x12" grey speckled floor tile with adhesive | Same as #5629 | None detected | Building G | Room 25, lobby, storage, janitor's closet 3, ticket booth | 1,000 sq. ft. | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 18 of 42

Building K (Auditorium)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------|-----------------------------|-------------------------------------|---|-------------------------|----------------|---------------|
| 2" grey cove base with adhesive | 5630 | None detected | Building G | Auditorium at northeast & northwest | 50 ln. ft. | No | No |
| Grey marble pattern linoleum with mastic | JAK-01-01 through JAK-01-03 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | N/A | N/A |
| 1'x2' acoustical ceiling tile with mastic | JAK-07-01 A&B | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA | N/A | N/A |
| Wood flooring* | N/A | Assumed | Not sampled, material not disturbed | Stage, hallway, janitor's closet 1, auditorium, mezzanine level | 2,000 sq. ft. | No | No |
| Gray carpet glue* | N/A | Assumed | Not sampled, material not disturbed | Auditorium | 2,000 sq. ft. | No | No |
| Blue carpet glue* | N/A | Assumed | Not sampled, material not disturbed | Room 25 | 900 sq. ft. | No | No |

NOTES:

*These materials shall be sampled prior to disturbance during construction.

Roof was not inspected.

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 19 of 42

Building L (Room 70-73)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|-----------------------------|-------------------------|-------------------------------------|--------------------------|---------------------|----------------|---------------|
| Window putty | JAL-07-01 | 3% chrysotile | Previously sampled (Cape Env. 1992) | Exterior windows | 100 ln. ft. | No | No |
| Duct tape on HVAC | JAL-08-01 through JAL-08-03 | None detected | Previously sampled (Cape Env. 1992) | Rooms 70B and 72B | 20 sq. ft. | No | No |
| Joint compound | 5705 | None detected | Room 73 northwest corner | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Joint compound | 5706 | None detected | Room 70 south wall center | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Joint compound | 5707 | None detected | Room 70 southwest corner | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Joint compound | 5708 | None detected | Room 71 south wall center | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Joint compound | 5709 | None detected | Room 73 south wall center | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Joint compound | 5710 | None detected | Room 72 south wall center | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Joint compound | 5711 | None detected | Room 72 south east corner | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Drywall | 5712 | None detected | Room 70 east wall center | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Composite-drywall with joint compound | 5713 | None detected | Room 73 south wall center | Rooms 70-73, 70B, 72B | 7,000 sq. ft. | No | No |
| Stucco | JAL-06-01 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 3,000 sq. ft. | N/A | N/A |
| Stucco | 5714 | <1% Chrysotile | Exterior by room 72 north | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5715 | <1% Chrysotile | Exterior northwest corner | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5716 | <1% Chrysotile | Exterior southeast corner | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5717 | None detected | Exterior-by room 70B | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5718 | None detected | Room 75 southwest corner | Exterior walls | 3,000 sq. ft. | No | No |
| Barrier paper | 5719 | None detected | Room 75 southwest corner | Exterior walls | 3,000 sq. ft. | No | No |
| 2'x4' fissured ceiling panel | 5720 | None detected | Room 70 center | Room 70, 71, 72, 73 | 3,600 sq. ft. | Yes | No |
| 12"x12"grey with streaks floor tile with adhesive with black residual mastic | 5721 | None detected | Room 73 northwest corner | Room 70, 71, 72, 73 | 3,600 sq. ft. | No | No |
| White duct sealant | 5722 | None detected | Room 72B, center | Room 70B, 72B | 20 sq. ft. | No | No |
| Black counter top | 5723 | None detected | Room 70 northwest corner | Room 70-73 counter tops | 200 sq. ft. | No | No |
| 2" gray cove base with adhesive | Same as #5630 | None detected | Building G | Room 70-73 | 250 ln. ft. | No | No |
| 6" gray cove with adhesive | Same as #5631 | None detected | Building G | Room 70-73 | 250 ln. ft. | No | No |
| Chalk boards* | N/A | Assumed | Not sampled to avoid damagd | Room 70-73 | 100 sq. ft. | No | No |

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 20 of 42

Building L (Room 70-73)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------------|---|-------------------------------------|---|-------------------------|----------------|---------------|
| 12"x12" tan with white and brown spots floor tile with mastic | JAL-01-01 through JAL-01-03 | 2% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A sq. ft. | N/A | N/A |
| Smooth plaster (walls) | JAL-02-01 JAL-02-02 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A sq. ft. | N/A | N/A |
| Tectum board | JAL-03-01 through JAL 03-03 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A sq. ft. | N/A | N/A |
| Gypsum board (walls and ceiling) | JAL-04-01 through JAL04-03 | 3% chrysotile | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A sq. ft. | N/A | N/A |
| 1'x1' ceiling tile | JAL-05-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A sq. ft. | N/A | N/A |

NOTES:

***This material shall be sampled prior to disturbance during construction**
Roof was not inspected.

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 21 of 42

Building N (Library)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------------|--|--|---|---------------------|----------------|---------------|
| Acoustical plaster ceiling | JAN-04-01 JAN-04-02 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Library | 1,800 sq. ft. | No | No |
| 1'x1' peghole row ceiling tile with mastic | JAN-06-01A JAN-06-01B | None detected (tile & mastic) | Previously sampled (Cape Env. 1992) | Library | 1,800 sq. ft. | Yes | No |
| Stucco | JAN-12-01 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 300 sq. ft. | No | No |
| Stucco | 5853 | None detected | Exterior- northwest center | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5854 | None detected | Exterior-southwest corner | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5855 | None detected | Exterior southeast corner | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5856 | None detected | Exterior- east wall center | Exterior walls | 3,000 sq. ft. | No | No |
| Joint compound | 5857 | None detected | Library east center | Library, east section | 400 sq. ft. | No | No |
| Joint compound | 5858 | None detected | Library east, northeast | Library, east section | 400 sq. ft. | No | No |
| Joint compound | 5859 | None detected | Library, southeast section, northwest corner | Library, east section | 400 sq. ft. | No | No |
| Drywall | 5860 | None detected | Library, southeast section, northwest corner | Library, east section | 400 sq. ft. | No | No |
| Composite- drywall with joint compound | 5861 | None detected | Library, southeast section, northwest corner | Library, east section | 400 sq. ft. | No | No |
| Brown flooring composite under carpet | 5862 | None detected | Library, by northeast entry | Library under carpet | 1,200 sq. ft. | No | No |
| White sink insulation | 5863 | None detected | Lounge, west wall center sink | Teacher's lounge, under sink | 4 sq. ft. | No | No |
| Smooth plaster | JAN-01-01 JAN-01-02 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | No | No |
| 1'x1' ceiling tile with mastic (random peghole) | JAN-02-01 A&B | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Rough plaster | JAN-03-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | No | No |
| Gypsum board with joint compound | JAN-05-01 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| 9"x9" grey with streaks floor tile with mastic | JAN-07-01 through JAN-09-01 | 5% Chrysotile (tile) 3%-10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Pipe fitting insulation | JAN-11-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 22 of 42

Building N (Library)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------|---|-------------------------------------|---|--------------|---------|--------|
| 9"x9" green with brown spots floor tile with mastic | JAN-13-01 | 5% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Beige marble pattern linoleum with mastic | JAN14-01 through JAN-14-03 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| 12"x12" brown floor tile with mastic | JAN-16-01 through JAN-16-03 | 2% Chrysotile (tile) 2% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| 9"x9" marble pattern floor tile with mastic | JAN-17-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |

NOTES:

Roof was not inspected.

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building P (Rooms 44-47 & 54-57)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|------------------------------|----------------------|-------------------------|-------------------------------------|---|---------------------|----------------|---------------|
| Rough plaster | JAN-03-02 | None detected | Previously sampled (Cape Env. 1992) | Room 54-57, 45, 46B | 4,500 sq. ft. | No | No |
| Acoustical plaster (ceiling) | JAN-04-03 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Room 54-57, 47, 47A, 45 | 5,000 sq. ft. | No | No |
| Stucco | 5744 | None detected | Exterior- room 54 northwest | Exterior walls | 9,000 sq. ft. | No | No |
| Stucco | 5745 | None detected | Exterior-room 56 south center | Exterior walls | 9,000 sq. ft. | No | No |
| Stucco | 5746 | <1% Chrysotile | Exterior- room 57 northeast | Exterior walls | 9,000 sq. ft. | No | No |
| Stucco | 5747 | <1% Chrysotile | Exterior- 47A northeast | Exterior walls | 9,000 sq. ft. | No | No |
| Stucco | 5748 | <1% Chrysotile | Exterior-47B southeast | Exterior walls | 9,000 sq. ft. | No | No |
| Stucco | 5749 | <1% Chrysotile | Exterior- room 44 west center | Exterior walls | 9,000 sq. ft. | No | No |
| Stucco | 5750 | <1% Chrysotile | Exterior-room 45 northeast | Exterior walls | 9,000 sq. ft. | No | No |
| Joint compound | 5751 | None detected | Room 56, southwest corner | Heater closets & A entry ways, rooms 54, 55, 56, 57, men's restroom ceiling, 47B, 47, 47A, 45, 44 | 2,750 sq. ft. | No | No |
| Joint compound | 5752 | None detected | Room 57, northwest corner | Heater closets & A entry ways, rooms 54, 55, 56, 57, men's restroom ceiling, 47B, 47, 47A, 45, 45 | 2,750 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building P (Rooms 44-47 & 54-57)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|--------------------------|-----------------------------|--|---|-------------------------|----------------|---------------|
| Joint compound | 5753 | None detected | Room 47B, northeast corner | Heater closets & A entry ways, rooms 54, 55, 56, 57, men's restroom ceiling, 47B, 47, 47A, 45, 46 | 2,750 sq. ft. | No | No |
| Joint compound | 5754 | None detected | Room 47, northeast corner | Heater closets & A entry ways, rooms 54, 55, 56, 57, men's restroom ceiling, 47B, 47, 47A, 45, 47 | 2,750 sq. ft. | No | No |
| Joint compound | 5755 | None detected | Room 45, south wall center | Heater closets & A entry ways, rooms 54, 55, 56, 57, men's restroom ceiling, 47B, 47, 47A, 45, 48 | 2,750 sq. ft. | No | No |
| Drywall | 5756 | None detected | Room 55, heater closet, northwest corner | Heater closets & A entry ways, rooms 54, 55, 56, 57, men's restroom ceiling, 47B, 47, 47A, 45, 49 | 2,750 sq. ft. | No | No |
| Composite drywall with joint composite | 5757 | None detected | Room 55, northwest corner | Heater closets & A entry ways, rooms 54, 55, 56, 57, men's restroom ceiling, 47B, 47, 47A, 45, 50 | 2,750 sq. ft. | No | No |
| Rough plaster | 5758 | None detected | Room 55, northeast corner | Room 54-57, 45, 46B | 4,000 sq. ft. | No | No |
| Rough plaster | 5759 | None detected | Room 57 northeast corner | Room 54-57, 45, 46B | 4,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building P (Rooms 44-47 & 54-57)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|--------------------------|-----------------------------|------------------------------|--|-------------------------|----------------|---------------|
| Rough plaster | 5760 | None detected | Room 46B, southwest corner | Room 54-57, 45, 46B | 4,000 sq. ft. | No | No |
| Rough plaster | 5761 | None detected | Room 56, southwest corner | Room 54-57, 45, 46B | 4,000 sq. ft. | No | No |
| Smooth plaster | 5762 | None detected | Room 47A, southwest corner | Storage 1, room 48, 47, 47A, 44 | 2,000 sq. ft. | No | No |
| Smooth plaster | 5763 | None detected | Storage 1, south wall center | Storage 1, room 48, 47, 47A, 45 | 2,000 sq. ft. | No | No |
| Smooth plaster | 5764 | None detected | Room 44, north wall center | Storage 1, room 48, 47, 47A, 46 | 2,000 sq. ft. | No | No |
| Smooth plaster | 5765 | None detected | Room 44, south wall center | Storage 1, room 48, 47, 47A, 47 | 2,000 sq. ft. | No | No |
| Smooth plaster | 5766 | None detected | Room 47, southeast corner | Storage 1, room 48, 47, 47A, 48 | 2,000 sq. ft. | No | No |
| 2'x4' fissured ceiling panel | 5767 | None detected | Room 44, southeast corner | Room 44, 45 | 1,500 sq. ft. | Yes | No |
| 1'x1' randon peghole ceiling tile with glue | 5768 | None detected | Room 47B, south center | Room 47B, 44 | 900 sq. ft. | Yes | No |
| Brown sheet flooring composite | 5769 | None detected | Room 47B center | Room 47B, | 50 sq. ft. | No | No |
| Duct sealant | 5770 | None detected | Room 47B center | Room 47B | 10 sq. ft. | No | No |
| Window putty | 5771 | None detected | Room 47, southeast corner | Exterior windows | 50 ln. ft | No | No |
| 12"x12" grey speckled floor tile with adhesive | Same as #5629 | None detected | Building G | Room 54-57, room 47, room 47A, 45, 46B, 44 | 3,500 sq. ft. | No | No |
| 2" grey covebase with adhesive | Same as #5630 | None detected | Building G | Room 45 | 30 ln. ft | No | No |
| 4" grey covebase with adhesive | Same as #5619 | None detected | Building F | Room 54-57, 46B, 44 | 200 ln. ft | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building P (Rooms 44-47 & 54-57)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---------------------------------|------------------------|------------------|-------------------------------------|---|--------------|---------|--------|
| 6" grey cove base with adhesive | Same as #5631 | None detected | Building G | Room 47 | 60 ln. ft | No | No |
| Chalk boards* | N/A | Assumed | Not sampled to avoid damage | Room 54-57, 47, 47A, 45 | 120 sq. ft. | No | No |
| Dark green linoleum with mastic | JAN-18-01 JAN-18-02 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Blue carpet glue* | N/A | Assumed | Not sampled to avoid damage | Rooms 54-57 | 2500 sq. ft. | No | No |
| 12" fissured ceiling tile* | N/A | Assumed | Not sampled to avoid damage | Rooms 54-57, 47, 47A | 4000 sq. ft. | Yes | No |

NOTES:

*The materials shall be sampled prior to disturbance during construction

Roof was not inspected.



CTL Environmental Services

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 27 of 42

Building Q (Rooms 14-15, 32-34)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|-----------------------------|--|--------------------------------------|--|---------------------|----------------|---------------|
| Rough plaster | JAN-03-05 | None detected | Previously sampled (Cape Env. 1992) | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34 A & B, principal's office, 14, 15, 15A & 15B | 11,000 sq. ft | No | No |
| Acoustical plaster (ceiling) | JAN-04-05 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Room 32-34, waiting room counselor's A, B, C, hallway A, administration office, lobby room, 34A& 34B, principal's office, 14, 15 | 7,500 sq. ft | No | No |
| Stucco | JAN-12-02 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 6,000 sq. ft | No | No |
| 2'x4' Random pinhole/ fissured ceiling tile | JAN-19-01 through JAN-19-03 | None detected | Previously sampled (Cape Env. 1992) | Rooms 33-34, 34A, 34B, waiting room, counselor's A, B, C, | 3,600 sq. ft | Yes | No |
| 12" brown with white streaks floor tile with mastic | JAN-21-01 through JAN-21-03 | 2% Chrysotile (tile) None detected (mastic) | Previously sampled (Cape Env. 1992) | Not observed | N/A | N/A | N/A |
| 12" brown with dark brown streaks floor tile with mastic | JAN-22-01 through JAN-22-03 | 2% Chrysotile (tile) None detected (mastic) | Previously sampled (Cape Env. 1992) | Not observed | N/A | N/A | N/A |
| 1'x1' random pinhole/ ceiling tile with mastic | JAN-20-01 A&B | None detected (tile & mastic) | Previously sampled (Cape Env. 1992) | Room 32, mechanical room 2 | 1,200 sq. ft | Yes | No |
| Stucco | 5814 | None detected | Exterior- room 14, south center | Exterior walls | 6,000 sq. ft | No | No |
| Stucco | 5815 | None detected | Exterior- room 15B, southeast corner | Exterior walls | 6,000 sq. ft | No | No |
| Stucco | 5816 | None detected | Exterior- room 32, south center | Exterior walls | 6,000 sq. ft | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 28 of 42

Building Q (Rooms 14-15, 32-34)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------|--------------------------|-----------------------------|---|---|-------------------------|----------------|---------------|
| Stucco | 5817 | None detected | Exterior- administration office, east center | Exterior walls | 6,000 sq. ft | No | No |
| Stucco | 5818 | None detected | Exterior- room 34, northwest | Exterior walls | 6,000 sq. ft | No | No |
| Stucco | 5819 | None detected | Exterior- counselor's office, center southwest | Exterior walls | 6,000 sq. ft | No | No |
| Rough plaster | 5820 | None detected | Room 33 southwest corner | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34 A & B, principal's office, 14, 15, 15A & 15B | 11,000 sq. ft | No | No |
| Rough plaster | 5821 | None detected | Room 34B, northeast corner | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34 A & B, principal's office, 14, 15, 15A & 15B | 11,000 sq. ft | No | No |
| Rough plaster | 5822 | None detected | Administration office, southwest corner | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34 A & B, principal's office, 14, 15, 15A & 15B | 11,000 sq. ft | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 29 of 42

Building Q (Rooms 14-15, 32-34)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------|--------------------------|-----------------------------|--|--|-------------------------|----------------|---------------|
| Rough plaster | 5823 | None detected | Restroom 1, northeast corner | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34 A & B, principal's office, 14, 15, 15A & 15B | 11,000 sq. ft | No | No |
| Rough plaster | 5824 | None detected | Counselor's office B, southwest corner | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34 A & B, principal's office, 14, 15, 15A & 15B | 11,000 sq. ft | No | No |
| Rough plaster | 5825 | None detected | Vault, south wall center | Rooms 32-34, staff men's and women's restrooms, waiting room, counselors A,B,C, restrooms 1 & 2, administration office, copy room, mechanical room 2, vault, 34 A & B, principal's office, 14, 15, 15A & 15B | 11,000 sq. ft | No | No |
| Joint compound | 5826 | None detected | Room 15, southwest corner | Mechanical room 1, waiting room, counselor's A, B, C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 4,500 sq. ft | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 30 of 42

Building Q (Rooms 14-15, 32-34)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------|--------------------------|-----------------------------|--------------------------------------|--|-------------------------|----------------|---------------|
| Joint compound | 5827 | None detected | Room 33, southeast corner | Mechanical room 1, waiting room, counselor's A, B, C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 4,500 sq. ft | No | No |
| Joint compound | 5828 | None detected | Room 34, northwest corner | Mechanical room 1, waiting room, counselor's A, B, C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 4,500 sq. ft | No | No |
| Joint compound | 5829 | None detected | Counselor's office B, west corner | Mechanical room 1, waiting room, counselor's A, B, C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 4,500 sq. ft | No | No |
| Joint compound | 5830 | None detected | Room 14, southwest corner | Mechanical room 1, waiting room, counselor's A, B, C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 4,500 sq. ft | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 31 of 42

Building Q (Rooms 14-15, 32-34)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|--------------------------|-----------------------------|--|--|-------------------------|----------------|---------------|
| Drywall | 5831 | None detected | Mechanical room 1, west wall center | Mechanical room 1, waiting room, counselor's A, B, C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 4,500 sq. ft | No | No |
| Composite drywall with joint composite | 5832 | None detected | Mechanical room 1, northwest corner | Mechanical room 1, waiting room, counselor's A, B, C, hallway A, administration office, copy room, mechanical room 2, 34 A&B, principal's office, room 14, 15, 15A | 4,500 sq. ft | No | No |
| Floor tile with mastic (under 12"x12" grey speckled floor tile) | 5833 | None detected | Counselor B- at southeast entry | Counselor B, hallway A, administration office, copy room, principal's office | 800 sq. ft | No | No |
| White sink insulation | 5834 | None detected | Room 34B, northwest corner | Copy room, room 34 A&B | 6 sq. ft | No | No |
| Grey duct sealant | 5835 | None detected | Mechanical room 2, center | Mechanical room 1 & 2 | 10 sq. ft | No | No |
| Blue carpet glue* | N/A | Assumed | New material non- destructive sampling | Room 32-34, waiting room, counselor A, B, C, principal's office | 3,500 sq. ft | No | No |
| 12" fissured ceiling tile* | N/A | Assumed | New material non- destructive sampling | Counselor B, hallway A, administration office, copy room, principal's office | 900 sq. ft | Yes | No |
| 12"x12" grey speckled floor tile with adhesive | Same as #5629 | None detected | Building G | Room 32-34, hallway A, administration office, copy room, 14, 15 | 5,500 sq. ft | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 32 of 42

Building Q (Rooms 14-15, 32-34)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--------------------------------|---------------|------------------|------------------------------|---|--------------|---------|--------|
| 4" grey covebase with adhesive | Same as #5619 | None detected | Building F | Room 32-34, waiting room, counselor A, B, C, hallway A, administration office, copy room, principal's office, 15A, 14, 15 | 500 ln. ft. | No | No |
| 2" grey covebase with adhesive | Same as #5630 | None detected | Building G | Room 15 | 50 ln. ft. | No | No |
| Transite chalkboards* | N/A | Assumed | Not sampled, material intact | Rooms 32-34, 14-15 | 100 sq. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction



MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 33 of 42

Building R (Rooms 16-18)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|-----------------------------|--|-------------------------------------|---|---------------------|----------------|---------------|
| Gypsum board with joint compound | JAR-03-01 through JAR-03-03 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Rooms 16, 17, 18 | 4,000 sq. ft. | No | No |
| 1'x1' randon peghole ceiling tile with mastic | JAR-04-01 A&B | None detected (tile & mastic) | Previously sampled (Cape Env. 1992) | Rooms 16, 17, 18 | 2,000 sq. ft. | Yes | No |
| Stucco | JAR-05-01 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 2,200 sq. ft. | No | No |
| Stucco | 5701 | None detected | Exterior- room 16, southeast | Exterior walls | 2,200 sq. ft. | No | No |
| Stucco | 5702 | None detected | Exterior- room 17, north center | Exterior walls | 2,200 sq. ft. | No | No |
| Stucco | 5703 | None detected | Exterior- room 17, south center | Exterior walls | 2,200 sq. ft. | No | No |
| Stucco | 5704 | None detected | Exterior- room 18, northwest | Exterior walls | 2,200 sq. ft. | No | No |
| 12"x12" grey speckled floor tile with adhesive | Same as #5629 | None detected | Building G | Rooms 16, 17, 18 | 2,700 sq. ft. | No | No |
| 9" beige floor tile with mastic | JAR-01-01 | 5% Chrysotile (tile) 3% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A | N/A | N/A |
| 9" grey floor tile with mastic | JAR-02-01 | 5% Chrysotile (tile) 5% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A | N/A | N/A |
| 4" black cove base with adhesive* | N/A | Assumed | Not sampled, material intact | Rooms 16, 17, 18 | 900 ln. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction.

Roof was not inspected.



CTL Environmental Services

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 34 of 42

Building S (Rooms 50-53)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|----------------------|-------------------------|--|---------------------------------------|---------------------|----------------|---------------|
| Rough plaster | JAN-03-03 | None detected | Previously sampled (Cape Env. 1992) | Room 52, 53 | 2,300 sq. ft. | No | No |
| Acoustical plaster (ceiling) | JAN-04-04 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Rooms 50-53, 52 A&B | 3,600 sq. ft. | No | No |
| Stucco | 5866 | None detected | Exterior room 50, north center | Exterior wall | 3,000 sq. ft. | No | No |
| Stucco | 5867 | None detected | Exterior room 51, south center | Exterior wall | 3,000 sq. ft. | No | No |
| Stucco | 5868 | None detected | Exterior room 52, northeast | Exterior wall | 3,000 sq. ft. | No | No |
| Stucco | 5869 | None detected | Exterior room 53, southeast | Exterior wall | 3,000 sq. ft. | No | No |
| Stucco | 5870 | None detected | Exterior room, 53, northeast | Exterior wall | 3,000 sq. ft. | No | No |
| Joint compound | 5871 | None detected | Room 52, southwest corner | Rooms 50-53, 52 A&B, women's restroom | 2,200 sq. ft. | No | No |
| Joint compound | 5872 | None detected | Room 50, southwest corner | Rooms 50-53, 52 A&B, women's restroom | 2,600 sq. ft. | No | No |
| Joint compound | 5873 | None detected | Room 52, southwest corner | Rooms 50-53, 52 A&B, women's restroom | 2,600 sq. ft. | No | No |
| Joint compound | 5874 | None detected | Room 53, southwest corner | Rooms 50-53, 52 A&B, women's restroom | 2,600 sq. ft. | No | No |
| Joint compound | 5875 | None detected | Room 51, southwest corner | Rooms 50-53, 52 A&B, women's restroom | 2,600 sq. ft. | No | No |
| Drywall | 5876 | None detected | Room 53, heater closet, northwest corner | Rooms 50-53, 52 A&B, women's restroom | 2,600 sq. ft. | No | No |
| Composite drywall with joint composite | 5877 | None detected | Room 53, heater closet, northwest corner | Rooms 50-53, 52 A&B, women's restroom | 2,600 sq. ft. | No | No |
| Rough plaster | 5878 | None detected | Room 52, northeast corner | Room 52, 53 | 2,300 sq. ft. | No | No |
| Rough plaster | 5879 | None detected | Room 53, south wall center | Room 52, 54 | 2,300 sq. ft. | No | No |
| Rough plaster | 5880 | None detected | Room 50, southeast corner | Room 52, 55 | 2,300 sq. ft. | No | No |
| Rough plaster | 5881 | None detected | Room 51, northwest corner | Room 52, 56 | 2,300 sq. ft. | No | No |
| Smooth plaster | 5882 | None detected | Room 50B, northwest | Room 50B, vestibule, 52B | 500 sq. ft. | No | No |
| Smooth plaster | 5883 | None detected | Vestibule, southeast | Room 50B, vestibule, 52B | 500 sq. ft. | No | No |
| Smooth plaster | 5884 | None detected | Room 52B, northwest | Room 50B, vestibule, 52B | 500 sq. ft. | No | No |
| Black sink insulation | 5885 | None detected | Room 52, south center | Room 52 | 2 sq. ft. | No | No |
| Grey duct sealant | 5886 | None detected | Room 52B, center | Room 52B | 5 sq. ft. | No | No |
| Window putty | 5887 | None detected | Room 52A, south wall center window | Room 52A, exterior window | 5 ln. ft. | No | No |
| White sink insulation | 5888 | None detected | Room 50, southeast corner | Room 50, 52A | 4 sq. ft. | No | No |

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 35 of 42

Building S (Rooms 50-53)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|-----------------------------|-------------------------------|--|---|---------------------|----------------|---------------|
| 2'x4' fissured ceiling panels | 5889 | None detected | Room 52A, north end corner | Room 52A | 100 sq. ft. | No | No |
| Blue carpet* | N/A | Assumed | New material, non-destructive sampling | Rooms 50-53, 52A | 500 sq. ft. | No | No |
| 12"x12" grey speckled floor tile with adhesive | Same as #5629 | None detected | Building G | Rooms 50-53 | 3,500 sq. ft. | No | No |
| 4" grey covebase with adhesive | Same as #5619 | None detected | Building F | Rooms 50-53, 52A | 500 sq. ft. | No | No |
| Dark green linoleum with mastic | JAN-18-03 | None detected (tile & mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A | N/A | N/A |
| Marble pattern linoleum | JAN-23-01 through JAN-23-03 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A | N/A | N/A |
| 12" fissured ceiling tile* | N/A | Assumed | Not sampled to avoid damage | Rooms 50-53 | 3,500 sq. ft. | Yes | No |

NOTES:

*The material shall be sampled prior to disturbance during construction
Roof was not inspected.



CTL Environmental Services

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 36 of 42

Building T (Rooms 21, 23, 30, 31)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|----------------------------------|--------------------------|-----------------------------|-------------------------------------|---|-------------------------|----------------|---------------|
| Gypsum board with joint compound | JAN-05-02 JAN-05-03 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Community liaison, assistant principal's office 2 | 300 sq. ft. | No | No |
| Stucco | 5772 | None detected | Exterior, room 19 southwest | Exterior walls | 4,500 sq. ft. | No | No |
| Stucco | 5773 | None detected | Exterior, room 20 east center | Exterior walls | 4,500 sq. ft. | No | No |
| Stucco | 5774 | None detected | Exterior, staff lounge, northwest | Exterior walls | 4,500 sq. ft. | No | No |
| Stucco | 5775 | None detected | Exterior, room 31 northeast | Exterior walls | 4,500 sq. ft. | No | No |
| Stucco | 5776 | None detected | Exterior, storage 2 north center | Exterior walls | 4,500 sq. ft. | No | No |
| Joint compound | 5777 | None detected | Room 31, north wall center | Rooms 21, 23, 30, 31, storage1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Joint compound | 5778 | None detected | Room 30, northwest corner | Rooms 21, 23, 30, 31, storage1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Joint compound | 5779 | None detected | Nurse's office, south wall center | Rooms 21, 23, 30, 31, storage1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Joint compound | 5780 | None detected | Storage, east center | Rooms 21, 23, 30, 31, storage1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Joint compound | 5781 | None detected | Room 23, southeast corner | Rooms 21, 23, 30, 31, storage1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Joint compound | 5782 | None detected | Room 21, southwest corner | Rooms 21, 23, 30, 31, storage1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 37 of 42

Building T (Rooms 21, 23, 30, 31)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--------------------------------------|--------------------------|-----------------------------|--|---|-------------------------|----------------|---------------|
| Joint compound | 5783 | None detected | Staff lounge, southeast corner | Rooms 21, 23, 30, 31, storage 1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Drywall | 5784 | None detected | Room 31A, west wall center | Rooms 21, 23, 30, 31, storage 1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Composite drywall/ joint compound | 5785 | None detected | Room 31A, southeast corner | Rooms 21, 23, 30, 31, storage 1&2, room 9, nurse's office, attendance office, staff lounge | 6,000 sq. ft. | No | No |
| Sand plaster | 5786 | None detected | Nurse's office, northwest corner | Room 23, storage 1&2, 21, 9, nurse's office, attendance office, community liaison, room 20 | 3,500 sq. ft. | No | No |
| Sand plaster | 5787 | None detected | Storage 1, southeast corner | Room 23, storage 1&2, 21, 9, nurse's office, attendance office, community liaison, room 20 | 3,500 sq. ft. | No | No |
| Sand plaster | 5788 | None detected | Room 23 northeast corner | Room 23, storage 1&2, 21, 9, nurse's office, attendance office, community liaison, room 20 | 6,000 sq. ft. | No | No |
| Sand plaster | 5789 | None detected | Attendance office, southwest corner | Room 23, storage 1&2, 21, 9, nurse's office, attendance office, community liaison, room 20 | 6,000 sq. ft. | No | No |

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 38 of 42

Building T (Rooms 21, 23, 30, 31)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|----------------------|-------------------------|-------------------------------------|--|---------------------|----------------|---------------|
| Sand plaster | 5790 | None detected | Attendance office, northwest corner | Room 23, storage 1&2, 21, 9, nurse's office, attendance office, community liaison, room 20 | 3,500 sq. ft. | No | No |
| 12"x12" random pinhole ceiling tile | 5791 | None detected | Community liaison, center | Community liaison, attendance office | 300 sq. ft. | No | No |
| 2'x4' fissured ceiling panel | 5792 | None detected | Room 31, west center | Rooms 30-31, 9, nurse's office, attendance office, community liaison | 2,000 sq. ft. | No | No |
| Floor tile with mastic (sub flooring) | 5793 | None detected | Staff lounge, southwest corner | Staff lounge, room 21-23, attendance office, nurse's office (under floor tile & carpet) | 3,200 sq. ft. | No | No |
| 9"x9" brown floor tile with mastic | 5794 | None detected | Room 31A center (patch) | Room 31A center (patch) | 8 sq. ft. | No | No |
| Green sheet vinyl flooring | 5795 | None detected | Room 31A Center | Room 31A | 50 sq. ft. | No | No |
| White sink insulation | 5796 | None detected | Room 9, northeast | Room 9 | 2 sq. ft. | No | No |
| Black sink insulation | 5797 | None detected | Room 31, west wall center | Rooms 30-31 | 4 sq. ft. | No | No |
| Grey duct sealant | 5798 | None detected | Room 31A, center | Room 31A | 10 sq. ft. | No | No |
| Acoustical plaster ceiling | JAN-04-04 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Rooms 21, 23, 30, 31, attendance office, assistant principal's office, 1, 2, community liaison | 7,000 sq. ft. | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Rooms 21, 23, 30, 31 | 100 sq. ft. | No | No |
| 12"x12"grey speckled floor tile with mastic | Same as #5629 | None detected | Building G | Rooms 21, 23, 30, 31, storage1&2, room 9, nurse's office, attendance office, staff lounge | 4,000 sq. ft. | No | No |
| 6" grey covebase with adhesive | Same as #5631 | None detected | Building G | Community liaison | 10 ln. ft. | No | No |

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 39 of 42

Building T (Rooms 21, 23, 30, 31)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------------------------|-----------------------------|-------------------------------|-------------------------------------|--|---------------------|----------------|---------------|
| 4" Grey covebase with adhesive | Same as #5619 | None detected | Building F | Rooms 21, 23, 30, 31, attendance office, storage 1&2, room 9, nurse's office, staff lounge | 300 ln. ft. | No | No |
| Smooth plaster | JAN-01-03 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Wood pattern linoleum with mastic | JAN-10-01 through JAN-10-03 | None detected (tile & mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Brown linoleum with mastic | JAN-24-01 JAN-24-02 | None detected (tile & mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Grey with specks linoleum | JAN-25-01 JAN-25-02 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| 2'x4' ceiling tile | JAN-26-01 through JAN-26-03 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A N/A | N/A | N/A |
| Blue carpet glue* | N/A | Assumed | Not sampled to avoid damage | Community Liaison, staff lounge and rooms 21 & 23 | 2,000 sq. ft. | No | No |
| 12" fissured ceiling tile* | N/A | Assumed | Not sampled to avoid damage | Room 21 | 900 sq. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction.
Roof was not inspected.



CTL Environmental Services

MATERIAL INVENTORY

ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 40 of 42

Building U (Rooms 10-13)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---------------------------------------|----------------------|-------------------------|-------------------------------------|--------------------------|---------------------|----------------|---------------|
| Stucco | 5836 | None detected | Exterior, room 10, southwest | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5837 | None detected | Exterior, room 11, northeast | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5838 | None detected | Exterior room 12, north center | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5839 | None detected | Exterior, room 13 southwest | Exterior walls | 3,000 sq. ft. | No | No |
| Stucco | 5840 | None detected | Exterior, room 13 northeast | Exterior walls | 3,000 sq. ft. | No | No |
| Sand plaster | 5841 | None detected | Room 10, northeast corner | Rooms 10, 11, 12, 13 | 5,500 sq. ft. | No | No |
| Sand plaster | 5842 | None detected | Room 13, south wall center | Rooms 10, 11, 12, 13 | 5,500 sq. ft. | No | No |
| Sand plaster | 5843 | None detected | Room 12, north wall center | Rooms 10, 11, 12, 13 | 5,500 sq. ft. | No | No |
| Sand plaster | 5844 | None detected | Room 11, northwest corner | Rooms 10, 11, 12, 13 | 5,500 sq. ft. | No | No |
| Sand plaster | 5845 | None detected | Room 11, south wall center | Rooms 10, 11, 12, 13 | 5,500 sq. ft. | No | No |
| Joint compound | 5846 | None detected | Room 10, northwest | Rooms 10, 11, 12, 13 | 900 sq. ft. | No | No |
| Joint compound | 5847 | None detected | Room 11, northeast | Rooms 10, 11, 12, 13 | 900 sq. ft. | No | No |
| Joint compound | 5848 | None detected | Room 13, northwest | Rooms 10, 11, 12, 13 | 900 sq. ft. | No | No |
| Drywall | 5849 | None detected | Room 13, northwest | Rooms 10, 11, 12, 13 | 900 sq. ft. | No | No |
| Composite drywall with joint compound | 5850 | None detected | Room 13, northwest | Rooms 10, 11, 12, 13 | 900 sq. ft. | No | No |
| White sink insulation | 5851 | None detected | Room 10, southeast | Rooms 10, 11, 12, 13 | 10 sq. ft. | No | No |
| 2'x4' fissured ceiling panel | 5852 | None detected | Room 10, east center | Rooms 10, 11, 12, 13 | 3,600 sq. ft. | Yes | No |
| Acoustical plaster ceiling | JAN-04-04 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Rooms 10, 11, 12, 13 | 3,600 sq. ft. | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Rooms 10, 11, 12, 13 | 100 sq. ft. | No | No |
| 12"x12" grey floor tile with adhesive | Same as #5629 | None detected | Building G | Rooms 10, 11, 12, 13 | 600 sq. ft. | No | No |
| 4" grey covebase with adhesive | Same as #5619 | None detected | Building F | Rooms 10, 11, 12, 13 | 480 ln. ft. | No | No |
| Blue carpet glue* | N/A | Assumed | Not sampled to avoid damage | Rooms 10, 11, 12, 13 | 3,000 sq. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction
Roof was not inspected.



CTL Environmental Services

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 41 of 42

Building V (Rooms 22-24)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---------------------------------------|----------------------|-------------------------|-------------------------------------|---|---------------------|----------------|---------------|
| Stucco | JAN-12-03 | None detected | Previously sampled (Cape Env. 1992) | Exterior walls | 2,000 sq. ft. | No | No |
| Stucco | 5799 | None detected | Exterior room 22, southwest | Exterior walls | 2,000 sq. ft. | No | No |
| Stucco | 5800 | None detected | Exterior room 22, southeast | Exterior walls | 2,000 sq. ft. | No | No |
| Stucco | 5801 | None detected | Exterior room 24, northwest | Exterior walls | 2,000 sq. ft. | No | No |
| Stucco | 5802 | None detected | Exterior room 24, southeast | Exterior walls | 2,000 sq. ft. | No | No |
| Sand plaster | 5803 | None detected | Storage room northeast corner | Room 22, 24, storage room, restroom | 2,200 sq. ft. | No | No |
| Sand plaster | 5804 | None detected | Room 24, east wall center | Room 22, 24, storage room, restroom | 2,200 sq. ft. | No | No |
| Sand plaster | 5805 | None detected | Room 24, southwest | Room 22, 24, storage room, restroom | 2,200 sq. ft. | No | No |
| Sand plaster | 5806 | None detected | Room 22, east wall center | Room 22, 24, storage room, restroom | 2,200 sq. ft. | No | No |
| Sand plaster | 5807 | None detected | Room 22, southwest | Room 22, 24, storage room, restroom | 2,200 sq. ft. | No | No |
| Joint compound | 5808 | None detected | Room 22, southwest corner | Room 22, 24, storage room | 300 sq. ft. | No | No |
| Joint compound | 5809 | None detected | Room 24, northeast corner | Room 22, 24, storage room | 300 sq. ft. | No | No |
| Joint compound | 5810 | None detected | Room 24, southwest corner | Room 22, 24, storage room | 300 sq. ft. | No | No |
| Drywall | 5811 | None detected | Room 22, southwest | Room 22, 24, storage room | 300 sq. ft. | No | No |
| Composite drywall with joint compound | 5812 | None detected | Room 24, southwest | Room 22, 24, storage room | 300 sq. ft. | No | No |
| Duct sealant | 5813 | None detected | Room 24, heater closet center | Room 22, 24, heater closet on HVAC unit ducts | 5 sq. ft. | No | No |
| Chalkboards* | N/A | Assumed | Not sampled to avoid damage | Room 22, 24 | 40 sq. ft. | No | No |

MATERIAL INVENTORY
ASBESTOS

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Page 42 of 42

Building V (Rooms 22-24)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|-----------------------------|--|-------------------------------------|---|---------------|---------|--------|
| Acoustical plaster (ceiling) | JAN-04-04 | 2% Chrysotile | Previously sampled (Cape Env. 1992) | Room 22, 24 | 1,800 sq. ft. | No | No |
| 12"x12" grey speckled floor tile with adhesive | Same as #5629 | None detected | Building G | Room 22, 24, storage room | 1,800 sq. ft. | No | No |
| 4" grey covebase with adhesive | Same as #5619 | None detected | Building F | Room 22, 24, storage room | 60 ln. ft. | No | No |
| 2'x4' ceiling tile | JAN-27-01 through JAN-27-03 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A | N/A | N/A |
| 9" beige floor tile with mastic | JAN-28-01 | 5% Chrysotile (tile) None detected- 5% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | N/A | N/A | N/A |
| Blue carpet glue* | N/A | Assumed | Not sampled to avoid damage | Room 24 | 500 sq. ft. | No | No |
| 12" fissured ceiling tile* | N/A | Assumed | Not sampled to avoid damage | Room 24 | 500 sq. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction
Roof was not inspected.



CTL Environmental Services

APPENDIX B

LABORATORY ANALYSIS REPORT

APPENDIX C
SAMPLE LOCATIONS

APPENDIX D

CTL EMPLOYEE CERTIFICATIONS

APPENDIX E
PREVIOUS REPORT CAPE ENVIRONMENTAL (1992)

**ASBESTOS SURVEY
PROJECT RECORD**

**John Adams Middle School
2425 16th Street
Santa Monica, California 90405**

Prepared for:

**Santa Monica- Malibu
Unified School District
1651 16th Street
Santa Monica, California 90404**

Prepared by:

CTL Environmental Services
24404 South Vermont Avenue, Suite 307
Harbor City, California 90710
(310) 530-5006

April 7, 2008
CTL Project No. 108-0085

Appendix H

**Survey for Asbestos and Lead in Paint – Gymnasium Building
Alta Environmental 2018**



SURVEY FOR ASBESTOS AND LEAD IN PAINT

Gymnasium Building
John Adams Middle School
2425 16th Street
Santa Monica, CA 90405

Prepared for:

Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

Project No.: SMSD-18-7431
Date: January 30, 2018

Alta Environmental

3777 Long Beach Boulevard Annex Building
Long Beach CA 90807 United States of America
T 562 495 5777 F 562 495 5877
Toll-free (US only) 800 777-0605 altaenviron.com

EXECUTIVE SUMMARY

On January 18, 2018, Alta Environmental conducted a survey for the presence of asbestos-containing materials (ACM) and lead in paint (LBP) in the Gymnasium Building at John Adams Middle School located at 2425 16th Street in Santa Monica, California. Our Cal/OSHA and California Department of Public Health (CDPH) Certified Professionals conducted the following activities:

- Review of existing survey records; CTL Environmental Services 2008, and Cape Environmental 1992;
- Initial investigation to locate suspect asbestos-containing materials (ACM), and lead-based paints impacted but upcoming HVAC work;
- Physical assessment of suspect ACM, painted surfaces;
- Collection of bulk samples from suspect ACM, painted surfaces;
- Direct readings of lead painted surfaces with an x-ray fluorescence spectrum analyzer; and
- Laboratory analysis of samples collected.

Asbestos-containing materials (ACMs) were detected in building areas affected by the project. Removal may be subject to regulation under USEPA 40 CFR 61, *locally enforced by South Coast Air Quality Management District (SCAQMD) and Cal/OSHA regulation (Title 8 CCR Section 1529).*

Lead-based paints (LBPs) was detected on building areas affected by the project. Impacts to LBP when disturbed for construction purposes are subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc. Impacts to LBP may also be subject to California Department of Public Health requirements if results of worker exposure monitoring exceed the Cal/OSHA permissible exposure limit.

Lead-containing paints (LCP) were detected in building areas affected by the project. When disturbed for construction purposes, impacts may be subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc.

Refer to section 5 in this report for a summary of findings

CONTENTS

| | | |
|------------|--|----------|
| 1 | INTRODUCTION | 1 |
| 2 | PROJECT BACKGROUND | 1 |
| 3 | SCOPE OF WORK | 1 |
| 4 | METHODOLOGY | 2 |
| 4.1 | Asbestos | 2 |
| 4.2 | Lead | 2 |
| 5 | RESULTS | 3 |
| 5.1 | Asbestos | 3 |
| 5.2 | Lead | 4 |
| 6 | CONCLUSIONS AND RECOMMENDATIONS | 7 |
| 6.1 | Asbestos-containing materials | 7 |
| 6.2 | Lead-based paints | 7 |
| 6.3 | Lead-containing Paints | 8 |
| 7 | ASSUMPTIONS AND LIMITATIONS | 8 |
| 8 | SIGNATORY | 9 |

Appendices

Appendix A: Field Bulk Sample List: Asbestos

Appendix B: Laboratory Analytical Data

Appendix C: Sample Location Map: Asbestos

Appendix D: Field Bulk Sample List: Lead

Appendix E: Laboratory Analytical Data: Lead

Appendix F: Sample Location Map: Lead

Appendix G: XRF Lead Inspection, Instrument Calibration, and DHS 8552

Appendix H: Alta Environmental Employee Certifications

Appendix I: Previous Survey Completed by CTL and Cape Environmental

REPORTED: January 30, 2018

PROJECT NO.: SMSD-18-7431

CLIENT: Santa Monica-Malibu Unified School District
1651 Sixteenth Street
Santa Monica, California 90404

ATTENTION: Mr. Chris Emmett

REF: Asbestos and Lead Survey
Gymnasium Building
John Adams Middle School
2425 16th Street
Santa Monica, CA 90405

1 INTRODUCTION

On January 18, 2018, Alta Environmental conducted a survey for the presence of asbestos-containing materials (ACM) and lead in paint (LBP) in the Gymnasium Building at John Adams Middle School located at 2425 16th Street in Santa Monica, California.

2 PROJECT BACKGROUND

Santa Monica-Malibu Unified School District retained Alta Environmental for the survey. The survey was completed by Fabian Ruvalcaba and Jorge Robles, both Cal/OSHA Certified Asbestos and Lead Professionals.

3 SCOPE OF WORK

Alta utilized previous surveys of the Site during this investigation. Where a material was found to have not been adequately sampled, additional samples were collected to fulfill regulatory requirements. The limited survey included the following:

- Review of existing survey records; CTL Environmental Services 2008, and Cape Environmental 1992;
- Initial investigation to locate suspect asbestos-containing materials (ACM), and lead-based paints impacted but upcoming HVAC work;
- Physical assessment of suspect ACM, painted surfaces;
- Collection of bulk samples from suspect ACM, painted surfaces;
- Direct readings of lead painted surfaces with an x-ray fluorescence spectrum analyzer; and
- Laboratory analysis of samples collected.

4 METHODOLOGY

4.1 Asbestos

Bulk samples of representative observed construction materials were collected. The sampling was conducted using guidelines set forth in *Federal Register 40 CFR Part 763*. Alta Environmental conducted an initial walkthrough of the Site to develop a listing and sampling scheme of suspect materials. Samples were placed in sealable sample containers and assigned a unique sample identification number.

Bulk samples collected from the Site were subsequently analyzed by polarized light microscopy (PLM) for asbestos content in accordance with the United States Environmental Protection Agency's (USEPA) *Determination of Asbestos in Bulk Building Materials: EPA/600/R-93/116, July 1993*, at AQ Environmental Laboratories located in Signal Hill, California, a laboratory accredited by the National Voluntary Laboratory Accreditation Program.

Based on the requirements of the USEPA as set forth in *40 CFR 763*, a homogeneous material is defined as "an area of surfacing material, thermal system insulation material or miscellaneous material that is uniform in color and texture." Furthermore, the regulation requires that a minimum number of samples be collected from each identified homogeneous material. If one sample in a homogeneous material is found to contain asbestos, the entire homogeneous material is considered to be asbestos-containing.

Caution is advised in interpreting results provided herein.

4.2 Lead

Ceramic coated surfaces were tested using a portable XRF spectrum analyzer of representative painted surfaces. The XRF used was the LPA-1, manufactured by Radiation Monitoring Devices (RMD) of Watertown, Massachusetts. XRF readings were taken by using the device "Quick" mode option. No time setting is required with this option since the device automatically adjusts its reading time to the different paint substrates for precision. The duration of each test result was determined by the substrate density in combination with the age of the radioactive source of the device and the actual reading relative to the abatement level (threshold) chosen. The testing includes a unique combination of room equivalent, building component type, and substrate.

An XRF Performance Characteristic Sheet (PCS) developed jointly by the U.S. Department of Housing and Urban Development (HUD) and the USEPA for the RMD LPA-1 was used. The PCS provides information necessary to conduct an inspection of LBP using a specific XRF device. Based on the PCS, no inconclusive readings in the "Quick" mode were encountered for LBP on brick, concrete, drywall, metal, plaster or wood substrates.

Field calibration checks were performed prior, during and after each XRF lead inspection to determine that the device was functioning within acceptable limits (tolerance) determined by the manufacturer. Three readings of a red 1.04 mg/cm² Standard Reference Material (SRM) paint film, developed by the National Institute of Standard and Technology (NIST), were taken in the "Time Corrected" mode option during each calibration check. Each set of readings was averaged and compared to the PCS calibration check limit for the device.

Please refer to Appendix F for documentation of the quality-control calibration checks.

Paint chip samples were collected of painted surfaces to determine the weight percent concentration in the painted surfaces that were analyzed by XRF and reported below the USEPA, HUD or Los Angeles County action levels. Paint chip samples were collected for construction safety as defined by *Title 8 CCR Section 1532.1*. Paint chip sample analysis was conducted by EPA Method SW846/7420 at AQ Environmental Laboratory, located in Signal Hill, California, a laboratory accredited by the Environmental Laboratory Accreditation Program

5 RESULTS

5.1 Asbestos

Asbestos-containing materials (ACM) are those materials found to contain greater than one percent asbestos by weight as determined by the PLM method of analysis. These materials are subject to regulation under USEPA 40 CFR 61, *local South Coast Air Quality Management District (SCAQMD)*. These materials are also subject to Cal/OSHA regulation (*Title 8 CCR Section 1529*) when disturbed for construction purposes.

Summary of ACMs:

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|---|------------|--|---|-----------|
| Acoustical plaster ceiling | JAC-07-01 | Rooms 102, 106, 113, 114 lounge storage room (under ceiling tiles) | 3% chrysotile | 2,000 SF |
| 9"x9" tan with brown streaks floor tile with mastic | JAC-11-01 | Rooms 111, 108, 109, 109A, lounge storage (under new tile) | 5% chrysotile-tile 10% chrysotile-mastic | 1,300 SF |
| 9"x9" brown and dark brown streaks floor tile with mastic | JAC-12-01 | Rooms 114, 113 (under new tile) | 5% chrysotile-tile 10% chrysotile-mastic | 300 SF |

| Material | Sample No. | Material Location | Asbestos Content | Est. Qty. |
|---|-------------------|---|---|------------------|
| 9"x9" off-white with green streaks floor tile with mastic | JAC-13-01 | Rooms 106, 102, lounge (under new tile) | 2% chrysotile-tile 10% chrysotile-mastic | 1,300 SF |
| Thermal System Insulation (TSI) debris | 118-19 | Attic space all except at basketball court area | 60% chrysotile | 7,500 SF |
| 8" oval transite pipe | Not sampled | Room 196 (attic space thru roof) | Assumed | 1 pipe |
| Chalkboard/posting board mastic | Not sampled | Hallway A | Assumed | 10 SF |
| Paper or mastic under hard wood floor | Not sampled | Gymnasium floor | Assumed | 6,000 SF |

The results for all other materials sampled were reported as "none detected," based on the limitations of the analytical method. Please refer to Appendix A for a complete listing of materials sampled, locations, and material conditions.

5.2 Lead

Lead-based paint, according to, the State of California, HUD and the USEPA is defined as paint or other surface coating with lead content equal to or greater than 1.0 mg/cm² of surface area by XRF testing or 5,000 parts per million (ppm) by paint chip analysis. However, a more stringent level has been established by the Los Angeles County Department of Health Services, which defines "dangerous level of lead-bearing substances" as paint or other surface coating with lead content greater than 0.7 mg/cm² (*Los Angeles County Code, Title 11, Chapter 11.28, Section 11.28.010 C*).

Summary of LBP:

| Sample # | Sampling method | Component | Material Location | Paint Color & Condition | Substrate | Lead (mg/cm ² /PPM) |
|---------------------------|-----------------|---------------|--|-------------------------|-----------|---|
| 004 | XRF | Wall | Boys locker room | Brown/intact | Ceramic | >9.9 |
| 005 | XRF | Wall trim | Boys locker room | Brown/intact | Ceramic | >9.9 |
| 006 | XRF | Baseboard | Boys locker room | Brown/intact | Ceramic | >9.9 |
| 008 | XRF | Wall | Boys locker room | White/intact | Ceramic | 6.5 |
| 009 | XRF | Wall | Storage room B (in boy's locker room) | Brown/intact | Ceramic | >9.9 |
| 010 | XRF | Wall | Storage room B (in boy's locker room) | Yellow/intact | Ceramic | >9.9 |
| 012 | XRF | Wall | Boys restroom, girl's restroom, hallway, room 102 restroom, room 113 restroom | Grey/intact | Ceramic | 6.1 |
| PC-4 PC-5 | Paint chip | Door casings | Interior all door casings | White | Wood | 34,000 ppm 36,000 ppm |
| PC-13 | Paint chip | Door | Mechanical room, boys restrooms, girls restroom, hallway B, C, room 111 | Green | Metal | 54,000 |
| PC-15, PC-16, PC-17 | Paint chip | Window casing | Interior/exterior, original windows, also frames remains around new replacement aluminium window | White | Wood | 13,000 ppm 26,000 ppm, 17,000 ppm |

| | | | | | | |
|-------|------------|-----------|---------------|-------|------|--------|
| PC-29 | Paint chip | Hatch | Hallway B | White | Wood | 47,000 |
| PC-38 | Paint chip | Door | Exteriors all | Green | Wood | 14,000 |
| PC-39 | Paint chip | Door case | Exteriors all | Green | Wood | 17,000 |
| PC-42 | Paint chip | Fascia | Exterior | Green | Wood | 13,000 |

Lead-containing paints according to Cal/OSHA *Title 8 CCR, Section 1532.1(d)* are defined as paints reported with any detectable levels of lead by paint chip analysis. When disturbed for construction purposes, these surfaces are subject to Cal/OSHA exposure assessment requirements. Amongst other things, this regulation requires initial employee exposure monitoring to evaluate worker exposure during work tasks that disturbs paint with any detectable level of lead. If airborne lead levels are above the established Cal/OSHA action limit or permissible exposure limit, additional monitoring and respiratory protection are required.

Summary of LCP

- Wall-plaster-white, Interior throughout walls and ceilings. (Loose and flaky paint at boy's shower/locker; hallways B, C),
- Gate-metal-white, boys shower and storage A,
- Door-wood-white, Boys shower, room 113 restroom, 114, 109A, 109, basketball court
- Door-wood-green, Interior throughout, predominant doors,
- Door casing-wood-white/orange, basketball court,
- Support bracket-metal-white, basketball court on deck,
- Baseboard-metal-white, basketball court on deck,
- Attic hatch casing-metal-white, Hallway B,
- Pipe-metal-white, interior all,
- Divider-metal-pink, girl's locker room
- Wall-stucco-white-exterior walls,
- Door and door casing-metal-green, all exteriors,
- Gutter-metal-green, exterior,
- Downspout-metal-green & white, exteriors

Component results are summarized in Appendix E Lead-containing material inventory.

6 CONCLUSIONS AND RECOMMENDATIONS

This survey was conducted to identify accessible asbestos-containing materials and lead-based paints/components and was limited to the areas of the Gymnasium building. No other areas were included in the scope of work.

Alta recommends that during construction or demolition, of the building, if suspect ACMs or lead materials are discovered, that the materials be assumed to contain asbestos and lead. The suspect ACM and lead materials should be properly characterized by a Cal-OSHA certified professional prior to disturbance or removal.

6.1 Asbestos-containing materials

Asbestos-containing materials have been identified at the Site. Refer to Section 5 in this report for a summary of ACMs.

Removal of ACMs should be conducted by a licensed asbestos abatement contractor utilizing isolation control methods and dispose of properly. Workers handling ACM shall be asbestos trained and shall wear the appropriate personal protective equipment. Removal shall be conducted in accordance with South Coast Air Quality Management District (SCAQMD) Procedures 1 and or 3 as necessary.

Damaged asbestos materials should be removed, repaired, encapsulated or enclosed. The USEPA (locally enforced by South Coast Air Quality Management District (SCAQMD) requires that all asbestos materials be removed prior to any renovation or demolition activities that may impact the material. The USEPA recommends that a proactive, in-place management program be put in place whenever asbestos is discovered in a building. Asbestos materials that are not damaged may be managed in place with a good operations and maintenance (O&M) program.

Material quantities included in this report are of observed material and provided as a best estimate for information only and shall not be used as a reliable quantity by any contractor for preparing removal bids. The contractor shall be solely responsible for assessing the type, extent, and quantity of material to be removed in each area of the project in preparing each project bid.

6.2 Lead-based paints

Lead-based paints have been identified in the Site. Refer to Section 5 in this report for a summary of LBP.

Impacts to LBP when disturbed for construction purposes are subject to Cal/OSHA worker protection requirements such as but not limited to initial employee exposure monitoring, worker protection etc. Impacts to LBP may also be subject to California Department of Public Health requirements if results of worker exposure monitoring exceed the Cal/OSHA permissible exposure limit.

An O&M program is also recommended for the identified LBP in good condition. An O&M program or interim control is a set of measures designed to temporarily reduce human exposure or possible exposure to LBP hazards. Such measures may include specialized cleaning, repairs, maintenance, painting, temporary containment and management and resident education programs. Visual monitoring conducted by owners and/or reevaluations by risk assessors are integral elements of an interim control. An initial evaluation of potential LBP hazard by a certified risk assessor is recommended for a successful implementation of the interim controls.

Abatement (e.g., stabilization) is recommended for damaged LBP, or if the condition of the materials noted as being in good condition should change. According to Federal regulations and guidelines, LBP abatement is the permanent (defined as designed to last at least 20 years or, in case of encapsulation, a 20-year product warranty) elimination of LBP hazards through replacement, enclosure, encapsulation, paint removal and cleaning to remove lead-contaminated dust.

Work activities impacting LBP pose a potential exposure risk for workers and/or building occupants. Workers trained in proper safety and respiratory techniques should perform renovation activities that may impact the LBP described in this report.

6.3 Lead-containing Paints

Lead-containing paints have been identified at the Site. Refer to Section 5 in this report for a summary of LCP.

Workers who disturb surfaces with lead-containing paint are subject to regulation under *Title 8 CCR, Section 1532.1 (d)*. These requirements include awareness training, monitoring to determine worker exposure. This regulation requires initial and on-going (if necessary) employee exposure monitoring to evaluate lead work exposure that disturbs paint with any detectable level of lead. Alta Environmental suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of any project that disturbs painted surfaces.

7 ASSUMPTIONS AND LIMITATIONS

This report was prepared exclusively for use by Santa Monica-Malibu Unified School District and may not be relied upon by any other person or entity without Alta Environmental's express written permission. The information, conclusions and recommendations described in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames and project parameters indicated. Alta Environmental cannot be responsible for the impact of any changes in environmental standards, practices or regulations after performance of services.

In performing our professional services, we have applied present engineering and scientific judgment and used a level of effort consistent with the current standard of practice for similar types of studies.

As applicable, Alta Environmental has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, Alta Environmental accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Alta Environmental will not accept any liability for loss, injury claim, or damage arising directly or indirectly from any use or reliance on this report. Alta Environmental makes no warranty, expressed or implied.

This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions, and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Material quantities are in some cases listed within this document. These quantities are not intended to be used for removal bidding purposes. Nor is this document intended as a contract manual. Work methods and sequence, coordination of participants, applicable codes, engineering controls, required submittals and notifications should in all cases be addressed in a separate and independent bidding and contract document.

If you have any questions, please do not hesitate to contact the undersigned at (562) 495-5777. We appreciate the opportunity to be of service to Santa Monica-Malibu Unified School District.

8 SIGNATORY

Respectfully submitted by:

Reviewed by

Alta Environmental



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Certified Asbestos Consultant
Cal/OSHA Cert. #06-4122
Lead Inspector/Assessor
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Appendix A

Asbestos Field Bulk Sample List: Asbestos

**MATERIAL INVENTORY
ASBESTOS SAMPLES**

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

Page 1 of 5

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|---|------------------|---|---|--------------|---------|--------|
| Smooth plaster | Previously sampled JAC-01-01 thru JAC-01-03 5570 thru 5573 | None detected | Previously sampled by Cape and CTL Environmental | Girls locker room, girls showers and restroom, equipment area, room 106, hallway A, women's restroom (walls and ceilings), 102, lounge, 104 hallway B, basketball court, hallway C, restroom 2, storage boys, equipment room, boys shower | 10,000 SF | No | No |
| 1'x1' random peg hole ceiling tile with mastic | Previously sampled JAC-02- 01A thru JAC-02- 01B | None detected | Previously sampled by Cape Environmental | Room 102 | 200 SF | No | No |
| 1'x1' random peg hole ceiling tile with mastic | 118-27 | None detected | Room 102 north center | | | | |
| 1'x1' random peg hole ceiling tile with mastic | 118-28 | None detected | Room 102 southwest corner | | | | |

MATERIAL INVENTORY ASBESTOS SAMPLES

Page 2 of 5

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|---|------------------|--|---|--------------|---------|--------|
| 1'x1' peg hole rows ceiling tile with mastic and residual acoustical ceiling | Previously sampled JAC-03-01A thru JAC-03-01B | None detected | Previously sampled by Cape Environmental | Room 106 | 1,000 SF | No | No |
| 1'x1' peg hole rows ceiling tile with mastic and residual acoustical ceiling | 118-01 | None detected | Room 106 center | | | | |
| 1'x1' peg hole rows ceiling tile with mastic and residual acoustical ceiling | 118-02 | None detected | Room 106 north center | | | | |
| Rough wall plaster | Previously sampled JAC04-01 thru JAC-04-03 5574 thru 5575 | None detected | Previously sampled by Cape Environmental | Rooms 114, 113, 111, hallway D, boys locker room, mechanical room, 118, 101 | 4,000 SF | No | No |
| 1'x1' grooved ceiling tile with mastic | Previously sampled JAC-05-01A thru JAC-05-01B | None detected | Previously sampled by Cape Environmental | Rooms 102, 114, 113 | 1,000 SF | No | No |
| 1'x1' grooved ceiling tile with mastic | 118-03 | None detected | Room 114 center | | | | |
| 1'x1' grooved ceiling tile with mastic | 118-04 | None detected | Room 114 northwest corner | | | | |

MATERIAL INVENTORY ASBESTOS SAMPLES

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

Page 3 of 5

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|---|------------------------------|---|--|--|--------------|---------|--------|
| Acoustical plaster ceiling | Previously sampled JAC-07-01 | 3% chrysotile | Previously sampled by Cape Environmental | Rooms 102, 106, 113, 114 lounge storage room (under ceiling tiles) | 2,000 SF | No | No |
| 9"x9" tan with brown streaks floor tile with mastic | Previously sampled JAC-11-01 | 5% chrysotile-tile 10% chrysotile-mastic | Previously sampled by Cape Environmental | Rooms 111, 108, 109, 109A, lounge storage (under new tile) | 1,300 SF | No | No |
| 9"x9" brown and dark brown streaks floor tile with mastic | Previously sampled JAC-12-01 | 5% chrysotile-tile 10% chrysotile-mastic | Previously sampled by Cape Environmental | Rooms 114, 113 (under new tile) | 300 SF | No | No |
| 9"x9" off white with green streaks floor tile with mastic | Previously sampled JAC-13-01 | 2% chrysotile-tile 10% chrysotile-mastic | Previously sampled by Cape Environmental | Rooms 106, 102, lounge (under new tile) | 1,300 SF | No | No |
| Stucco | Previously sampled 5563-5569 | None detected | Previously sampled by CTL Environmental | Exterior walls | 12,000 SF | No | No |
| Textured coating | Previously sampled 5576-5578 | None detected | Previously sampled by CTL Environmental | Boys locker room (on rough plaster walls and ceilings) | 3,000 SF | No | No |
| Textured coating | 118-07 | None detected | Boys locker room, northwest corner | | | | |
| Textured coating | 118-08 | None detected | Boys locker room, southeast corner | | | | |
| Joint compound | Previously sampled 5579-5581 | None detected | Previously sampled by CTL Environmental | Room 116 | 250 SF | No | No |
| Drywall | Previously sampled 5582 | None detected | Previously sampled by CTL Environmental | Room 116 | 250 SF | No | No |
| Composite drywall with joint compound | Previously sampled 5583 | None detected | Previously sampled by CTL Environmental | Room 116 | 250 SF | No | No |

MATERIAL INVENTORY ASBESTOS SAMPLES

Page 4 of 5

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

| Material | Sample No. | Asbestos Content | Sample Location | Material Location | Approx. Qty. | Friable | Damage |
|--|-------------------------|------------------|---|--|--------------|---------|--------|
| 12" grey speckled floor tile with mastic | Previously sampled 5584 | None detected | Previously sampled by CTL Environmental | Rooms 102, lounge, 114, 113, equipment room, 116 | 3,000 SF | No | No |
| 12" grey speckled floor tile with mastic | 118-05 | None detected | Room 102 southwest corner | | | | |
| 12" grey speckled floor tile with mastic | 118-06 | None detected | Room 114 northeast corner | | | | |
| 2" gray cove base with adhesive | Previously sampled 5585 | None detected | Previously sampled by CTL Environmental | Rooms 102, 114, 116, lounge, boys equipment room | 200 LF | No | No |
| 2" gray cove base with adhesive | 118-09 | None detected | Room 114 southwest corner | | | | |
| 2" gray cove base with adhesive | 118-10 | None detected | Boys equipment room west center | | | | |
| 4" green cove base with adhesive | Previously sampled 5586 | None detected | Previously sampled by CTL Environmental | Room 106 | 20 LF | No | No |
| 4" green cove base with adhesive | 118-11 | None detected | Room 106 southwest corner | | | | |
| 4" green cove base with adhesive | 118-12 | None detected | Room 106 northeast corner | | | | |
| 4" pink cove base with adhesive | Previously sampled 5587 | None detected | Previously sampled by CTL Environmental | Girls equipment room (no access to equipment room 107) | 80 LF | No | No |
| 4" black cove base with adhesive | 118-13 | None detected | Room 111 northwest corner | Room 111 | 150 LF | No | No |
| 4" black cove base with adhesive | 118-14 | None detected | Room 111 southwest corner | | | | |
| 4" black cove base with adhesive | 118-15 | None detected | Room 111 northeast corner | | | | |

MATERIAL INVENTORY ASBESTOS SAMPLES

Page 5 of 5

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

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Appendix B

Laboratory Analytical Report: Asbestos



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Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: Cesar Ruvalcaba

Report Number 1829981

Project Number

Project Name JAMS Gym

Location Santa Monica

PO Number

WO Number

Date Received 01/19/2018

Date Analyzed 01/19/2018

Date Reported 01/19/2018

Date Sampled 01/18/2018

Sampled By Jorge Canales

Total Samples 49

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|---|------------|--|-----|
| 1829981-001 118-01A | Gym Bldg 1'x1' Peghole Rows Ceiling Tile, White/Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-002 118-01B | Gym Bldg Mastic, Brown, Homogeneous | LAYER 1 100% | Fibrous Talc Adhesive Binders/Filler | 4% 96% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-003 118-01C | Gym Bldg Residual Acoustical Ceiling, White, Homogeneous | LAYER 1 100% | Perlite Binder/Filler | 65% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-004 118-02A | Gym Bldg 1'x1' Peghole Rows Ceiling Tile, White/Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-005 118-02B | Gym Bldg Mastic, Brown, Homogeneous | LAYER 1 100% | Fibrous Talc Adhesive Binders/Filler | 4% 96% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-006 118-02C | Gym Bldg Residual Acoustical Ceiling, White, Homogeneous | LAYER 1 100% | Perlite Binder/Filler | 65% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|--|------------|-------------------------|---------------------------------|
| 1829981-007 118-03A | Gym Bldg 1'x1' Grooved Ceiling Tile, White/Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-008 118-03B | Gym Bldg Mastic, Yellow, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-009 118-04A | Gym Bldg 1'x1' Grooved Ceiling Tile, White/Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 90% 10% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-010 118-04B | Gym Bldg Mastic, Yellow, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-011 118-05A | Gym Bldg 12" Speckled Floor Tile, Gray, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 65% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-012 118-05B | Gym Bldg Mastic, Black/Brown, Homogeneous | LAYER 1 100% | Cellulose Fiber Adhesive Binders/Filler | 10% 90% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Determination of Asbestos in Bulk Building Materials.

Project Number

Project Name JAMS Gym

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Sampled By Jorge Canales

Total Samples 49

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|-------------------|--|-----|
| 1829981-013 118-06A | Gym Bldg 12" Speckled Floor Tile, Gray, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 65% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-014 118-06B | Gym Bldg Mastic, Black/Brown, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Adhesive Binders/Filler | 5% 95% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-015 118-07 | Gym Bldg Texture Coating, White, Homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-016 118-08 | Gym Bldg Texture Coating, White/Beige, Non- homogeneous | LAYER 1 100% | Calcium Carbonate Quartz Other Non-Fibrous Material | 50% 25% 25% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-017 118-09A | Gym Bldg 2" Covebase, Gray, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-018 118-09B | Gym Bldg Adhesive, Cream, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Project Number

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Total Samples 49

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------|--|-----|
| 1829981-019 118-10A | Gym Bldg 2" Covebase, Gray, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-020 118-10B | Gym Bldg Adhesive, Cream, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-021 118-11A | Gym Bldg 4" Covebase, Green, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 65% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-022 118-11B | Gym Bldg Adhesive, Brown, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-023 118-12A | Gym Bldg 4" Covebase, Green, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 65% 35% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-024 118-12B | Gym Bldg Adhesive, Brown, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Total Samples 49

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------|--|-----|
| 1829981-025 118-13A | Gym Bldg 4" Covebase, Black, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-026 118-13B | Gym Bldg Adhesive, Beige, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-027 118-14A | Gym Bldg 4" Covebase, Black, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-028 118-14B | Gym Bldg Adhesive, Beige, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-029 118-15A | Gym Bldg 4" Covebase, Black, Homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 40% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-030 118-15B | Gym Bldg Adhesive, Beige, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Alta Environmental
3777 Long Beach Blvd.
Long Beach CA 90807
Attn.: Cesar Ruvalcaba

Report Number 1829981

Date Received 01/19/2018

Date Analyzed 01/19/2018

Date Reported 01/19/2018

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number

Project Name JAMS Gym

Location Santa Monica

PO Number

WO Number

Date Sampled 01/18/2018

Sampled By Jorge Canales

Total Samples 49

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|------------------------------|---|-----------------------|--|--|--|-----|
| 1829981-031 118-16 | Gym Bldg Roof Debris, Black/Beige, Non- homogeneous Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Fibrous Glass Wood Fiber Bituminous Material Quartz Mica Other Non-Fibrous Material | Present Present Present Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-032 118-17 | Gym Bldg Roof Debris, Black/Beige, Non- homogeneous Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Fibrous Glass Wood Fiber Bituminous Material Quartz Mica Metallic Foil Other Non-Fibrous Material | Present Present Present Present Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-033 118-18 | Gym Bldg Roof Debris, Black/Beige, Non- homogeneous Note: Qualitative Analysis | LAYER 1 100% | Cellulose Fiber Fibrous Glass Wood Fiber Bituminous Material Quartz Mica Metallic Foil Other Non-Fibrous Material | Present Present Present Present Present Present Present Present | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-034 118-19 | Gym Bldg TSI Debris, White, Non- homogeneous | LAYER 1 100% | Binder/Filler | 40% | Chrysotile | 60% |
| Asbestos Present: Yes | | Total % Non-Asbestos: | | 40.0% | Total %Asbestos: 60.0% | |
| 1829981-035 118-20 | Gym Bldg Window Caulking, Cream, Homogeneous | LAYER 1 100% | Non-Fibrous Material | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1829981

Date Received 01/19/2018

Date Analyzed 01/19/2018

Date Reported 01/19/2018

Project Number

Project Name JAMS Gym

Location Santa Monica

PO Number

WO Number

Date Sampled 01/18/2018

Sampled By Jorge Canales

Total Samples 49

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|--|-----------------------|--|-------------------|-------------------------|---------------------------------|
| 1829981-036 118-21 | Gym Bldg Window Caulking, Cream, Homogeneous | LAYER 1 100% | Non-Fibrous Material | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-037 118-22 | Gym Bldg Window Caulking, Cream, Homogeneous | LAYER 1 100% | Non-Fibrous Material | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-038 118-23A | Gym Bldg Sheet Vinyl, Green, Non- homogeneous | LAYER 1 100% | Cellulose Fiber Jute Fiber Binder/Filler | 25% 15% 60% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-039 118-23B | Gym Bldg Glue, Brown, Homogeneous | LAYER 1 100% | Adhesive Binders/Filler | 100% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-040 118-24 | Gym Bldg Window Putty, Beige, Non- homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |
| 1829981-041 118-25 | Gym Bldg Window Putty, Beige, Non- homogeneous | LAYER 1 100% | Calcium Carbonate Binder/Filler | 85% 15% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: | No Asbestos Detected |



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Date Analyzed 01/19/2018

Date Reported 01/19/2018

Project Number

Project Name JAMS Gym

Location Santa Monica

PO Number

WO Number

Date Sampled 01/18/2018

Sampled By Jorge Canales

Total Samples 49

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|---|------------|--|-----|
| 1829981-042 118-26 | Gym Bldg Window Putty, Beige, Non-homogeneous | LAYER 1 100% | Calcium Carbonate Vinyl Binder/ Filler | 80% 20% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-043 118-27A | Gym Bldg 1'x1' Peghole Random Ceiling Tile, White/Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-044 118-27B | Gym Bldg Mastic, Brown, Non-homogeneous | LAYER 1 100% | Fibrous Talc Adhesive Binders/Filler | 3% 97% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-045 118-28A | Gym Bldg 1'x1' Peghole Random Ceiling Tile, White/Brown, Non-homogeneous | LAYER 1 100% | Wood Fiber Binder/Filler | 95% 5% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-046 118-28B | Gym Bldg Mastic, Brown, Homogeneous | LAYER 1 100% | Fibrous Talc Adhesive Binders/Filler | 4% 96% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-047 118-29 | Gym Bldg Non-Slip Flooring, Gray, Homogeneous | LAYER 1 100% | Quartz Binder/Filler | 25% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |



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Report Number 1829981

Date Received 01/19/2018

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116
Determination of Asbestos in Bulk Building Materials.

Project Number

Project Name JAMS Gym

Location Santa Monica

PO Number

WO Number

Date Sampled 01/18/2018


Sampled By Jorge Canales

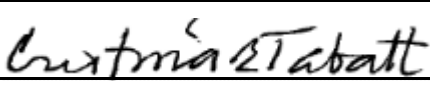
Total Samples 49

Test Report

| Laboratory ID Sample No. | Sample Location Description | Layer No. Layer % | Non-Asbestos Components | (%) | Asbestos Type | (%) |
|-----------------------------|---|-----------------------|----------------------------|------------|--|-----|
| 1829981-048 118-30 | Gym Bldg Non-Slip Flooring, Gray, Homogeneous | LAYER 1 100% | Quartz Binder/Filler | 25% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |
| 1829981-049 118-31 | Gym Bldg Non-Slip Flooring, Gray, Homogeneous | LAYER 1 100% | Quartz Binder/Filler | 25% 75% | None Detected | |
| Asbestos Present: No | | Total % Non-Asbestos: | | 100.0% | Total %Asbestos: No Asbestos Detected | |

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Due to PLM limitations, results on samples with None Detected or samples with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported.


Analyst - Fred Chappellear


Approved Signatory Cristina E. Tabatt


Lab Code 500044-0

CHAIN OF CUSTODY



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Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 1829981

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|--|--|-----------------------------------|----------------------------------|
| Company | Alta Environmental | Same Day <input checked="" type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | 3777 Long Beach Boulevard | 1 Day <input type="checkbox"/> | UPS <input type="checkbox"/> | Email <input type="checkbox"/> |
| City/State/Zip | Long Beach, CA 90807 | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | <u>Cesar R. Rivalcaba @altaenvlabs.com</u> | 3 Day <input type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | 562/ 495-5777 | 5 Day <input type="checkbox"/> | Drop Box <input type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | 562/ 495-5877 | Special Instructions: | | |
| Email | | | | |

| PROJECT INFORMATION | |
|-------------------------------|---------------------------------|
| Project Name: <u>JAMS Gym</u> | PO Number: _____ |
| Project Number: _____ | Work Order No.: _____ |
| Location: <u>Santa Monica</u> | Sampled By: <u>Jorge Robles</u> |

| PLM | PCM | MOLD | LEAD (Pb) |
|--|--------------------------------------|--------------------------------------|--|
| PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input type="checkbox"/> STLC <input type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> TCLP <input type="checkbox"/> |
| | | | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Avg Flow Rate | Volume (L) |
|-----------|---|----------|--------------|------------|---------------|------------|
| 118-01 | 1"x' peghole rows ceiling tile w/mastic | Gym Bldg | 1/18/18 | | | |
| 118-02 | and residual acoustical ceiling | | | | | |
| 118-03 | 1"x' grooved ceiling tile w/ mastic | | | | | |
| 118-04 | | | | | | |
| 118-05 | 1"x' gray speckled floor tile w/ mastic | | | | | |
| 118-06 | | | | | | |
| 118-07 | Texture coating | | | | | |
| 118-08 | | | | | | |
| 118-09 | 2" gray cover base w/ adhesive | | | | | |
| 118-10 | | | | | | |

| | |
|-------------------------------------|---------------------------------|
| Relinquished By: <u>[Signature]</u> | Received By: <u>ImmerNow</u> |
| Date/Time: <u>1/18/18 2040</u> | Date/Time: <u>1/19/18 08:00</u> |

CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com



Company: Alta Environmental

Project Number: _____

Project Name: JAMS GYM

Analysis: Asbestos PLM

TAT: 5 day (positive stop)

(Lab) Order No. 1829981

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|--|----------|--------------|-------------------------|------------------|---------------|
| 118-11 | 4" green covebase w/ adhesive | Gym Bldg | 1/18/18 | ----- | | |
| 118-12 | ↓ | | | ----- | | |
| 118-13 | 4" Black covebase w/ adhesive | | | ----- | | |
| 118-14 | ↓ | | | ----- | | |
| 118-15 | ↓ | | | ----- | | |
| 118-16 | roof debris | | | ----- | | |
| 118-17 | ↓ | | | ----- | | |
| 118-18 | ↓ | | | ----- | | |
| 118-19 | TSI debris | | | ----- | | |
| 118-20 | window caulking | | | ----- | | |
| 118-21 | ↓ | | | ----- | | |
| 118-22 | ↓ | | | ----- | | |
| 118-23 | green sheet vinyl | | | ----- | | |
| 118-24 | window putty | | | ----- | | |
| 118-25 | ↓ | | | ----- | | |
| 118-26 | ↓ | | | ----- | | |
| 118-27 | 1'x11' peghole random ceiling tile w/ mastic | | | ----- | | |
| 118-28 | ↓ | | | ----- | | |
| 118-29 | non-slip gray flooring | | | ----- | | |
| 118-30 | ↓ | | | ----- | | |

| | |
|-------------------------------------|---------------------------------|
| Relinquished By: <u>[Signature]</u> | Received By: <u>[Signature]</u> |
| Date/Time: <u>1/18/18 2040</u> | Date/Time: <u>1/19/18 08:00</u> |

Lab Forms
Ver. 082411

1508 E. 33rd Street
Signal Hill, CA 90755
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(Lab) Order No. 1829981

[illegible]

Lab Forms
Ver. 082411

Appendix C

Sample Location Map: Asbestos

Appendix D

Field Bulk Sample List: Lead

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

Page 1 of 3

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-----------|------------|-----------|-------------|---|---|---------------|--------|---------------------|
| Wall | PC-1 | Plaster | White | Room 114 southwest corner | Interior throughout walls and ceilings. *Loose and flaky paint at boys shower/locker; hallways B,C | 1,200 | Yes | 2,000 SF |
| Wall | PC-2 | Plaster | White | Boys shower south center | | 150 | Yes | N/A |
| Wall | PC-3 | Plaster | White | Girls locker southwest corner | | 780 | Yes | N/A |
| Door case | PC-4 | Wood | White | Boys locker east center | Interior throughout | 34,000 | No | N/A |
| Door case | PC-5 | Wood | White | Hallway B west center entry (painted green) | | 36,000 | No | N/A |
| Door case | PC-6 | Wood | White | Room 102 south center entry | Interior throughout | 1,800 | No | N/A |
| Gate | PC-7 | Metal | White | Storage A southeast | Boys shower and storage A | 3,800 | Yes | 10 SF |
| Door | PC-8 | Wood | White | Boys showers north center | Boys shower, room 113 restroom, 114, 109A, 109 | <50 | No | N/A |
| Door | PC-10 | Wood | Green | Hallway D at boys locker room | Interior throughout, predominant doors | <47 | No | N/A |
| Door | PC-11 | Wood | Green | Room 112 south center | | 3,200 | No | N/A |
| Door | PC-12 | Wood | Green | Girls locker north center | | 310 | No | N/A |

MATERIAL INVENTORY

LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

Page 2 of 3

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-------------|------------|--------------|--------------|---|--|---------------|--------|---------------------|
| Door | PC-13 | Metal | Green | Mechanical room at entry | Mechanical room, boys restroom, girls restroom, hallway B, C, room 111 | 54,000 | No | N/A |
| Heater | PC-14 | Metal | White | Room 114 south center | Room 114 and 102 | <79 | No | N/A |
| Window case | PC-15 | Wood | White | Room 114 north center | Interior/exterior, original windows, also frames remains around new replacement aluminum windows | 13,000 | No | N/A |
| Window case | PC-16 | Wood | White | Gym east center | | 26,000 | No | N/A |
| Window case | PC-17 | Wood | White | Girls locker north center | | 17,000 | No | N/A |
| Wall | PC-18 | Drywall | White | Room 113 restroom southeast | Room 113 restroom, room 102 | <49 | No | N/A |
| Handrail | PC-19 | Metal | White | Hallway D center | Hallway D | <46 | No | N/A |
| Door | PC-20 | Metal | Green | Hallway C north center | Hallway B, C, basketball court | <48 | No | N/A |
| Door case | PC-21 | Metal | Green | Hallway B southwest | | <49 | No | N/A |
| Wall | PC-22 | Wood | White | Basketball court southwest | Basketball court area | <49 | No | N/A |
| Ceiling | PC-23 | Wood | White | Basketball court northeast | | <50 | No | N/A |
| Floor | PC-24 | Wood varnish | Brown | Basketball court northwest | Basketball court | <110 | No | N/A |
| Door | PC-25 | Wood | White | Basketball court east center storage room | | 390 | No | N/A |
| Door case | PC-26 | Wood | White/orange | Basketball court east center storage room | | 1,700 | No | N/A |

MATERIAL INVENTORY LEAD PAINT CHIP SAMPLES

CLIENT: Santa Monica- Malibu USD
PROJECT NO: SMSD-18-7431
PROJECT NAME: JAMS-GYM

| Component | Sample No. | Substrate | Paint Color | Sample Location | Material Location | Results (PPM) | Damage | Approx. Damage Qty. |
|-----------------|------------|-----------|-------------|----------------------------|--|---------------|--------|---------------------|
| Support bracket | PC-27 | Metal | White | Basketball court northwest | Basketball court (on deck) | 47 | No | N/A |
| Baseboard | PC-28 | Metal | White | Basketball court southwest | | 93 | No | N/A |
| Hatch | PC-29 | Wood | White | Hallway B northwest | Hallway B | 47,000 | No | N/A |
| Hatch case | PC-30 | Metal | White | Hallway B northwest | Hallway B | 320 | No | N/A |
| Pipe | PC-31 | Metal | White | Room 102 south center | Interior throughout | 75 | No | N/A |
| Door | PC-32 | Metal | Green | Room 106 southeast entry | Room 102, lounge, 103, 106, equipment room | <50 | No | N/A |
| Door case | PC-33 | Metal | Green | Equipment room entry | | <49 | No | N/A |
| Divider | PC-34 | Metal | Pink | Girls lockers northeast | Girls locker room | 2,700 | No | N/A |
| Wall | PC-35 | Stucco | White | Exterior southwest | Exterior walls | 340 | No | N/A |
| Wall | PC-36 | Stucco | White | Exterior west center | | 220 | No | N/A |
| Wall | PC-37 | Stucco | White | Exterior southeast | | 150 | No | N/A |
| Door | PC-38 | Wood | Green | Exterior northwest | Exterior | 14,000 | No | N/A |
| Door case | PC-39 | Wood | Green | Exterior northwest | | 17,000 | No | N/A |
| Door | PC-40 | Metal | Green | Exterior east center | Exterior | 170 | No | N/A |
| Door case | PC-41 | Metal | Green | Exterior east center | | 51 | No | N/A |
| Fascia | PC-42 | Wood | Green | Exterior northwest | Exterior | 13,000 | No | N/A |
| Gutter | PC-43 | Metal | Green | Exterior northwest | Exterior | 52 | No | N/A |
| Downspout | PC-44 | Metal | Green | Exterior northwest | | 55 | No | N/A |
| Handrail | PC-45 | Metal | Green | Exterior northwest | | <54 | No | N/A |
| Downspout | PC-46 | Metal | White | Exterior north center | | 95 | No | N/A |

Appendix E

Laboratory Analytical Data: Lead



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Alta Environmental
3777 Long Beach Boulevard
Long Beach, CA 90807
Attention: Cesar Ruvalcaba

Project Number:
Project Name: JAMS - Gym
Location: Santa Monica

Report Number: 1829980

Date Received: 1/19/2018
Date Analyzed: 1/19/2018
Date Reported: 1/19/2018

Date Sampled: 1/18/2018
Sampled By: Fabian Ruvalcaba
Total Samples: 45

Analytical Method: EPA 7420/3050
Reporting Limit: 5.0 µg

Lead (Pb) in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|----------------------|----------------------|-----------------------------------|
| 1829980-001 PC-1 | Wall Plaster White | 0.1045 | 1200 |
| 1829980-002 PC-2 | Wall Plaster White | 0.1024 | 150 |
| 1829980-003 PC-3 | Wall Plaster White | 0.1049 | 780 |
| 1829980-004 PC-4 | Door Case Wood White | 0.1074 | 34,000 |
| 1829980-005 PC-5 | Door Case Wood White | 0.1027 | 36,000 |
| 1829980-006 PC-6 | Door Case Wood White | 0.1020 | 1800 |
| 1829980-007 PC-7 | Gate Metal White | 0.1019 | 3800 |
| 1829980-008 PC-8 | Door Wood White | 0.1008 | < 50 |
| 1829980-009 PC-9 | NOT USED | | |
| 1829980-010 PC-10 | Door Wood Green | 0.1061 | < 47 |
| 1829980-011 PC-11 | Door Wood Green | 0.1018 | 3200 |
| 1829980-012 PC-12 | Door Wood Green | 0.1045 | 310 |
| 1829980-013 PC-13 | Door Metal Green | 0.1050 | 54,000 |
| 1829980-014 PC-14 | Heater Metal White | 0.0631 | < 79 |



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Attention: Cesar Ruvalcaba

Project Number:
Project Name: JAMS - Gym
Location: Santa Monica

Lead in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|--------------------------|----------------------|-----------------------------------|
| 1829980-013 PC-13 | Door Metal Green | 0.1050 | 54,000 |
| 1829980-014 PC-14 | Heater Metal White | 0.0631 | < 79 |
| 1829980-015 PC-15 | Window Case Wood White | 0.1052 | 13,000 |
| 1829980-016 PC-16 | Window Case Wood White | 0.1055 | 26,000 |
| 1829980-017 PC-17 | Window Case Wood White | 0.1040 | 17,000 |
| 1829980-018 PC-18 | Wall Drywall White | 0.1021 | < 49 |
| 1829980-019 PC-19 | Handrail Metal White | 0.1092 | < 46 |
| 1829980-020 PC-20 | Door Metal Green | 0.1037 | < 48 |
| 1829980-021 PC-21 | Door Case Metal Green | 0.1026 | < 49 |
| 1829980-022 PC-22 | Wall Wood White | 0.1029 | < 49 |
| 1829980-023 PC-23 | Ceiling Wood White | 0.1006 | < 50 |
| 1829980-024 PC-24 | Floor Varnish Wood Brown | 0.0465 | < 110 |
| 1829980-025 PC-25 | Door Wood White | 0.1010 | 390 |
| 1829980-026 PC-26 | Door Case Wood White | 0.1022 | 1700 |
| 1829980-027 PC-27 | Metal Support White | 0.1059 | 47 |
| 1829980-028 PC-28 | Baseboard Metal White | 0.1026 | 93 |
| 1829980-029 PC-29 | Hatch Wood White | 0.1012 | 47,000 |
| 1829980-030 PC-30 | Hatch Casing Wood White | 0.1026 | 320 |



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Attention: Cesar Ruvalcaba

Project Number:
Project Name: JAMS - Gym
Location: Santa Monica

Lead in Paint by Flame AAS

| Lab ID Client ID | Location/Description | Sample Weight (g) | Lead Concentration ppm (mg/kg) |
|----------------------|-----------------------|----------------------|-----------------------------------|
| 1829980-031 PC-31 | Pipe Metal White | 0.0933 | 75 |
| 1829980-032 PC-32 | Door Metal Green | 0.1008 | < 50 |
| 1829980-033 PC-33 | Door Case Metal Green | 0.1020 | < 49 |
| 1829980-034 PC-34 | Divider Metal Pink | 0.1010 | 2700 |
| 1829980-035 PC-35 | Wall Stucco White | 0.1052 | 340 |
| 1829980-036 PC-36 | Wall Stucco White | 0.0997 | 220 |
| 1829980-037 PC-37 | Wall Stucco White | 0.1023 | 150 |
| 1829980-038 PC-38 | Door Wood Green | 0.1015 | 14,000 |
| 1829980-039 PC-39 | Door Case Wood Green | 0.0999 | 17,000 |
| 1829980-040 PC-40 | Door Metal Green | 0.0925 | 170 |
| 1829980-041 PC-41 | Door Case Metal Green | 0.0983 | 51 |
| 1829980-042 PC-42 | Fascia Wood Green | 0.1071 | 13,000 |
| 1829980-043 PC-43 | Gutter Metal Green | 0.1009 | 52 |
| 1829980-044 PC-44 | Downspout Metal Green | 0.1050 | 55 |
| 1829980-045 PC-45 | Handrail Metal Green | 0.0925 | < 54 |
| 1829980-046 PC-46 | Downspout Metal White | 0.1031 | 95 |

Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. This report shall not be reproduced without the written approval of this laboratory. The client shall be solely responsible for interpreting analytical results. Samples have not been blank corrected. Samples shall be disposed according to local, state and federal laws, 30 days after reporting results.

CA ELAP Cert #2823


Approved Signatory- Cristina E. Tabatt

CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 1829986

| CUSTOMER INFORMATION | | Turnaround Time | Shipped By | Report Send Via: |
|----------------------|-----------------------------|--|--|----------------------------------|
| Company | <u>Alta Environmental</u> | Same Day <input checked="" type="checkbox"/> | Fedex <input type="checkbox"/> | Web <input type="checkbox"/> |
| Address | <u>3777 Long Beach Blvd</u> | 1 Day <input type="checkbox"/> | UPS <input type="checkbox"/> | Email <input type="checkbox"/> |
| City/State/Zip | <u>Long Beach Ca</u> | 2 Day <input type="checkbox"/> | USPS <input type="checkbox"/> | Fax <input type="checkbox"/> |
| Contact | <u>Cesar Ruvalec</u> | 3 Day <input type="checkbox"/> | Drop Off <input type="checkbox"/> | Verbal <input type="checkbox"/> |
| Office Phone | | 5 Day <input type="checkbox"/> | Drop Box <input checked="" type="checkbox"/> | Mail <input type="checkbox"/> |
| Cell | | Weekend <input type="checkbox"/> | Other <input type="checkbox"/> | Pick up <input type="checkbox"/> |
| Fax | | Special Instructions: | | |
| Email | | | | |

| PROJECT INFORMATION | |
|----------------------------------|----------------------------------|
| Project Name: <u>Janus - Gym</u> | PO Number: _____ |
| Project Number: _____ | Work Order No.: _____ |
| Location: <u>Alta Marine</u> | Sampled By: <u>Cesar Ruvalec</u> |

| PLM | PCM | MOLD | LEAD (Pb) |
|---|--------------------------------------|--------------------------------------|--|
| PLM EPA 600/M4-82-020 <input type="checkbox"/> | NIOSH 7400A <input type="checkbox"/> | Spore Trap <input type="checkbox"/> | Air <input type="checkbox"/> TTLC <input type="checkbox"/> |
| PLM 400 Pt. Count (<0.25%) <input type="checkbox"/> | NIOSH 7400B <input type="checkbox"/> | Tape Lift <input type="checkbox"/> | Paint <input checked="" type="checkbox"/> |
| PLM 1000 Pt. Count (<0.1%) <input type="checkbox"/> | w/ TWA <input type="checkbox"/> | Bulk Sample <input type="checkbox"/> | Wipe <input type="checkbox"/> |
| | | Swab <input type="checkbox"/> | Soil <input type="checkbox"/> |

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time | Avg Flow Rate | Volume (L) |
|-----------|---------------------|----------|--------------|------------|---------------|------------|
| PC-1 | wall plaster white | | 1-18-18 | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | Pow Case wood white | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | Grade Metal White | | | | | |
| 8 | Door wood white | | | | | |
| 9 | Not used | | | | | |
| 10 | Door wood Green | | | | | |

| | |
|-------------------------------------|---------------------------------|
| Relinquished By: <u>[Signature]</u> | Received By: <u>Ormie Brown</u> |
| Date/Time: <u>1-18-18 2330</u> | Date/Time: <u>1/19/18 08:00</u> |
| Relinquished By: _____ | Received By: _____ |
| Date/Time: _____ | Date/Time: _____ |



CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

Company:

Alta

Project Number:

Project Name:

JAMS - GYM

(Lab) Order No.

1829980

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|---------------------------|----------|-----------------|-------------------------|------------------|---------------|
| PC-11 | Door Wood Green | | 1-18-18 | | | |
| 12 | | | | | | |
| 13 | Door Metal Green | | | | | |
| 14 | Heater Metal White | | | | | |
| 15 | Window Case Wood White | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | Wall Drywall White | | | | | |
| 19 | Handrail Metal White | | | | | |
| 20 | Door Metal Green | | | | | |
| 21 | Door Case Metal Green | | | | | |
| 22 | Wall Wood White | | | | | |
| 23 | Ceiling Wood White | | | | | |
| 24 | Floor Varnish Wood Brown | | | | | |
| 25 | Door Wood White | | | | | |
| 26 | Door Case Wood White | | | | | |
| 27 | Metal Support White | | | | | |
| 28 | Baseboard Metal White | | | | | |
| 29 | Hatch Wood White | | | | | |
| 30 | Hatch Caseig Metal White | | | | | |

Relinquished By:

[Signature]

Date/Time:

1-18-18

2330

Received By:

[Signature]

Date/Time:

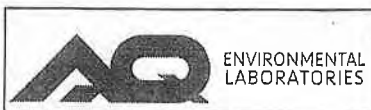
1/19/18 08:00

Relinquished By:

Received By:

Date/Time:

Date/Time:



CHAIN OF CUSTODY

1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

Company:

Alta

Project Number:

Project Name:

Jams - GYM

(Lab) Order No.

1829980

| SAMPLE ID | SAMPLE TYPE | LOCATION | Date Sampled | Start Time Stop Time | Avg Flow Rate | Volume (L) |
|-----------|------------------------------------|----------|-----------------|-------------------------|------------------|---------------|
| PC-31 | Pipe Metal White | | 1-18-18 | | | |
| 32 | Door Metal Green | | | | | |
| 33 | Door Case Metal Green | | | | | |
| 34 | Divider Metal Pink | | | | | |
| 35 | Wall Stucco Green White | | | | | |
| 36 | Wall Stucco White | | | | | |
| 37 | | | | | | |
| 38 | Door Wood Green | | | | | |
| 39 | Door Case Wood Green | | | | | |
| 40 | Door Metal Green | | | | | |
| 41 | Door Case Metal Green | | | | | |
| 42 | Fabric Wood Green | | | | | |
| 43 | Gutter Metal Green | | | | | |
| 44 | Downspout Metal Green | | | | | |
| 45 | Handrail Metal Green | | | | | |
| 46 | Downspout Metal White | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Relinquished By:

[Signature]

Received By:

[Signature]

Date/Time:

1-18-18

2330

Date/Time:

1/19/18

08:00

Relinquished By:

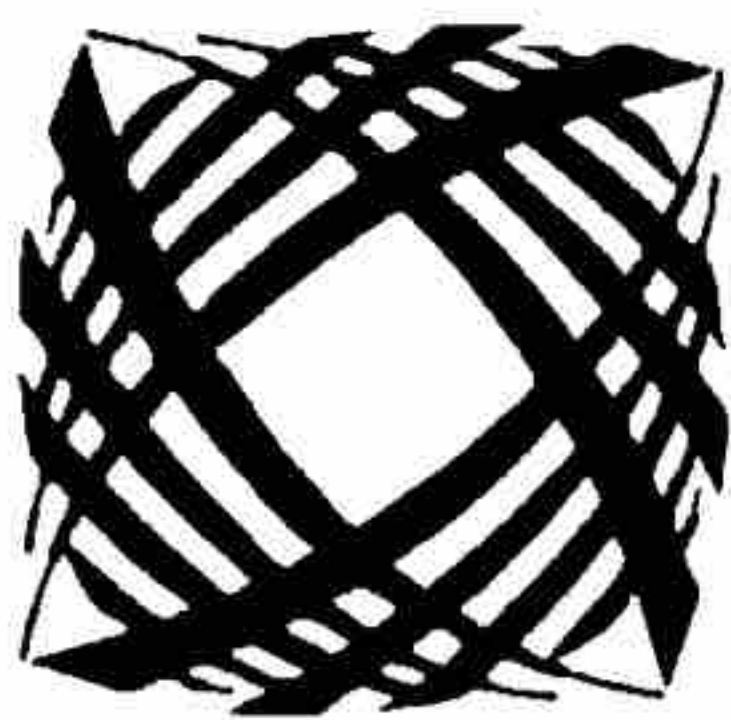
Received By:

Date/Time:

Date/Time:

Appendix F

Sample Location Map: Map



ALTA
ENVIRONMENTAL

Sheet 1 of 7

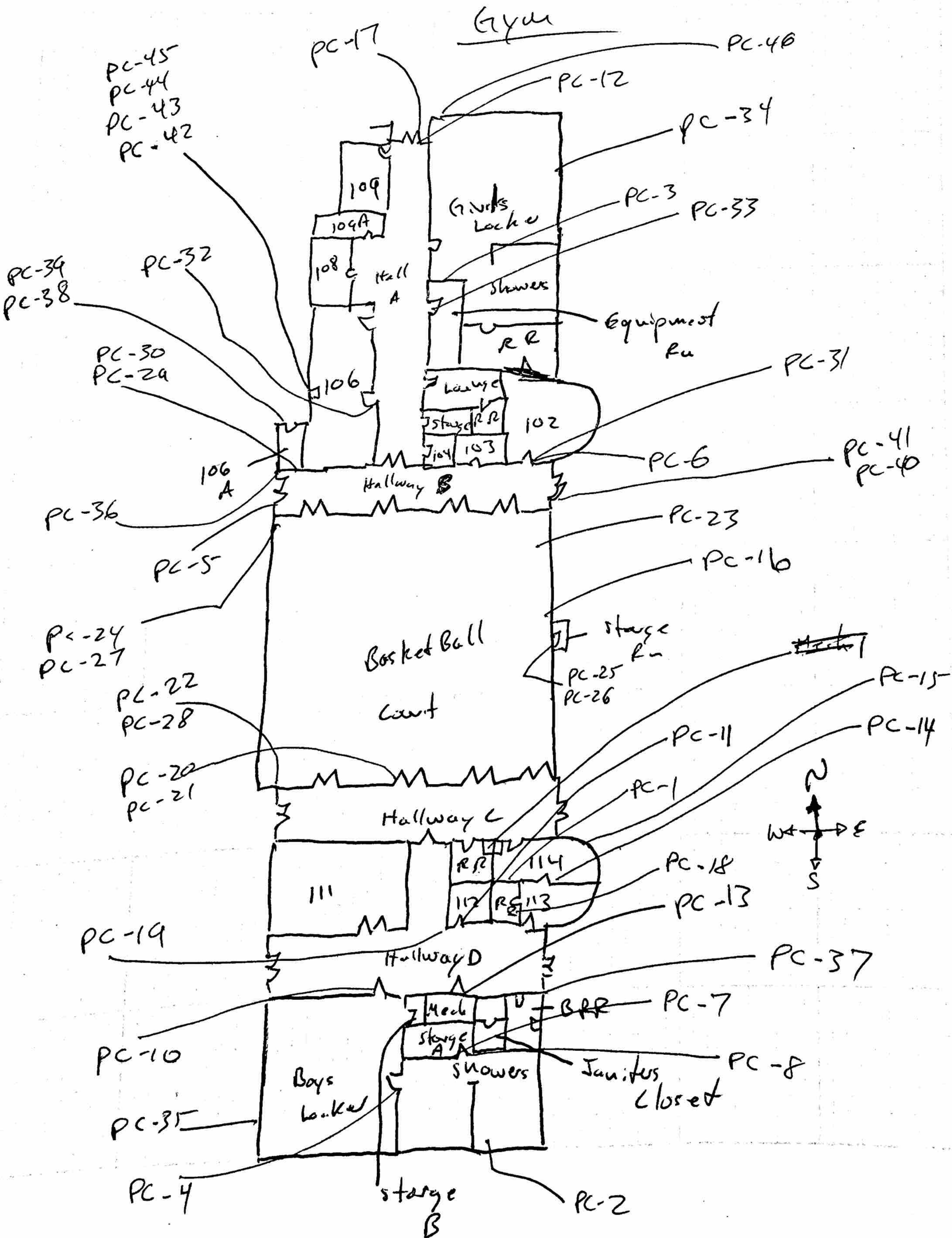
Project Name Lynch M.S.

Project No./Task No. _____

Calculated by F.R Date 1-18-18

Checked by _____ Date _____

Scale _____



Appendix G

XRF Lead Inspection, Instrument Calibration, and DHS 8552

DETAILED REPORT OF LEAD PAINT INSPECTION FOR:

Inspection Date: 01/18/18
 Report Date: 01/18/18
 Abatement Level: 0.8
 Report No. S#01184 - 01/18/18 19:48
 Total Readings: 21
 Job Started: 01/18/18 10:48
 Job Finished: 01/18/18 11:43

| Read No. | Wall | Structure | Location | Member | Paint Cond | Substrate | Paint Color | Lead (mg/cm ²) | Mode |
|---|------|-----------|----------|--------|------------|-----------|-------------|----------------------------|------|
| Interior Boys Locker Room | | | | | | | | | |
| 004 | A | Wall | Ctr | | I | Ceramic | Brown | >9.9 | QM |
| 005 | A | Wall trim | | | I | Ceramic | Brown | >9.9 | QM |
| 006 | A | Baseboard | Ctr | | I | Ceramic | Brown | >9.9 | QM |
| 007 | A | Floor | Ctr | | I | Ceramic | Brown | 0.4 | QM |
| 008 | A | Wall | Ctr | | I | Ceramic | White | 6.5 | QM |
| Interior Storage room B (in Boys Locker room) | | | | | | | | | |
| 009 | B | Wall | Ctr | | I | Ceramic | Brown | >9.9 | QM |
| 010 | B | Wall | Ctr | | I | Ceramic | Yellow | >9.9 | QM |
| 011 | B | Floor | Ctr | | I | Ceramic | Brown | 0.4 | QM |
| Interior Boys Restroom | | | | | | | | | |
| 012 | A | Wall | Ctr | | I | Ceramic | Grey | 6.1 | QM |
| 013 | A | Floor | Ctr | | I | Ceramic | Grey | 0.2 | QM |
| 014 | B | Sink | Ctr | | I | Ceramic | White | 0.5 | QM |
| 015 | B | Toilet | Ctr | | I | Ceramic | White | 0.4 | QM |
| 016 | B | Urinal | Ctr | | I | Ceramic | White | 0.1 | QM |
| Interior Girls Shower Area | | | | | | | | | |
| 017 | D | Wall | Ctr | | I | Ceramic | Green | 0.6 | QM |
| 018 | C | Floor | Ctr | | I | Ceramic | Green | 0.4 | QM |

Calibration Readings

| | | |
|-----|-----|----|
| 001 | 1.0 | TC |
| 002 | 0.9 | TC |
| 003 | 0.9 | TC |
| 019 | 1.1 | TC |
| 020 | 1.1 | TC |
| 021 | 0.9 | TC |

----- End of Readings -----

Calibration Check Test Results

Page 1 of 1

Address/Unit No. JAMS Gym

Device LPA-1

Date 1/18/2018

XRF Serial No.

1184

Contractor Alta Environmental

Inspector Name Fabian Ruvalcaba

Signature _____

NIST SRM Used 1.04 mg/cm2

Calibration Check Tolerance Used 0.3 mg/cm2

First Calibration Check

| NIST SRM | | | First Average | Difference Between first Average and NIST SRM* |
|---------------|----------------|---------------|---------------|--|
| First Reading | Second reading | Third reading | 0.93 | 0.107 |
| 1 | 0.9 | 0.9 | | |

Second Calibration Check

| NIST SRM | | | First Average | Difference Between first Average and NIST SRM* |
|---------------|----------------|---------------|---------------|--|
| First Reading | Second reading | Third reading | 1.03 | 0.01 |
| 1.1 | 1.1 | 0.9 | | |

Third Calibration Check (if required)

| NIST SRM | | | First Average | Difference Between first Average and NIST SRM* |
|---------------|----------------|---------------|---------------|--|
| First Reading | Second reading | Third reading | | |
| | | | | |

Fourth Calibration Check (*not required*)

| NIST SRM | | | First Average | Difference Between first Average and NIST SRM* |
|---------------|----------------|---------------|---------------|--|
| First Reading | Second reading | Third reading | | |
| | | | | |

* if the difference of the Calibration Check Average from the NIST SRM film value is greater than the specified Calibration Check Tolerance for this device, consult the manufacturer's recommendations to bring the instrument back into control. Retest all testing combinations tested since the last successful Calibration Check test.

LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** 1-18-18**Section 2 — Type of Lead Hazard Evaluation (Check one box only)**☒ Lead Inspection ☐ Risk assessment ☐ Clearance Inspection ☐ Other (specify) _____**Section 3 — Structure Where Lead Hazard Evaluation Was Conducted**

| | | | | |
|---|---|-----------------------------|---|--------------------------|
| Address [number, street, apartment (if applicable)] <u>2425 16th street</u> | | City <u>Santa Monica</u> | County <u>L.A.</u> | Zip Code <u>90405</u> |
| Construction date (year) of structure <u>unknown</u> | Type of structure <input type="checkbox"/> Multi-unit building <input checked="" type="checkbox"/> School or daycare <input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____ | | Children living in structure? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Don't Know | |


Section 4 — Owner of Structure (if business/agency, list contact person)

| | | | |
|--|-----------------------------|--------------------|--------------------------|
| Name <u>Santa Monica Malibu USD</u> | | Telephone number | |
| Address [number, street, apartment (if applicable)] <u>1651 16th Street</u> | City <u>Santa Monica</u> | State <u>CA</u> | Zip Code <u>90405</u> |

Section 5 — Results of Lead Hazard Evaluation (check all that apply)

☐ No lead-based paint detected ☒ Intact lead-based paint detected ☐ Deteriorated lead-based paint detected
☐ No lead hazards detected ☐ Lead-contaminated dust found ☐ Lead-contaminated soil found ☐ Other _____

Section 6 — Individual Conducting Lead Hazard Evaluation

| | | | |
|--|---|---|------------------------|
| Name <u>Fabian Ruelas</u> | | Telephone number <u>562-445-5777</u> | |
| Address [number, street, apartment (if applicable)] <u>3777 Long Beach Blvd</u> | City <u>Long Beach</u> | State <u>Ca</u> | Zip Code |
| CDPH certification number <u>22130</u> | Signature  | | Date <u>1-18-18</u> |
| Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable) | | | |

Section 7 — Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
B. Each testing method, device, and sampling procedure used;
C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
Childhood Lead Poisoning Prevention Branch Reports
850 Marina Bay Parkway, Building P, Third Floor
Richmond, CA 94804-6403
Fax: (510) 620-5656

Appendix H

Alta Environmental Employee Certifications

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Jorge Robles

Name

Certification No. 17-6028

Expires on 11/14/18



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

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Sampling Technician 10/28/2018



Jorge Robles

ID #: 30025

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Fabian Ruvalcaba



Name

Certification No. **15-5533**

Expires on **11/17/18**

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



State of California Department of Public Health

| Lead-Related Construction Certificate | Certificate Type | Expiration Date |
|---|-----------------------------|----------------------------|
|  | Inspector/Assessor | 12/06/2018 |

Fabian Ruvalcaba ID # **22130**



State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

James Charles Byers, Jr.



Name

Certification No. **106-4122**

Expires on **01/18/19**

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

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Cesar Ruvalcaba



Name

Certification No. **95-1799**

Expires on **10/27/18**

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

State of California Department of Public Health

Lead-Related
Construction
Certificate

Certificate
Type

Expiration
Date

Inspector/Assessor 01/16/2019

Project Monitor 01/16/2019



Cesar A. Ruvalcaba

ID #: 6855

Appendix I

Previous Survey by CTL and Cape Environmental

APPENDIX A

MATERIAL INVENTORY:

**SUMMARY OF BULK SAMPLE ANALYSIS
SAMPLE IDENTIFICATION
SAMPLE DESCRIPTION
ESTIMATED QUANTITIES**

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------|-----------------------------------|-----------------------------|--|---|-------------------------|----------------|---------------|
| Smooth plaster | JAC-01-01 through JAC-01-03 | None detected | Previously sampled (Cape Env. 1992) | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 6,500 sq. ft. | No | No |
| Smooth plaster | 5570 | None detected | Room 104, northeast corner | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|-----------------|--------------------------|-----------------------------|-------------------------------------|--|-------------------------|----------------|---------------|
| Smooth plaster | 5571 | None detected | Room 106, northwest corner | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |
| Smooth plaster | 5572 | None detected | Girls locker room, northwest corner | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|-----------------------------------|---------------------------------|-------------------------------------|--|---------------------|----------------|---------------|
| Smooth plaster | 5573 | None detected | Boys shower, west wall center | Girls locker room, girls showers and restroom, equipment area, 106, hallway A, women's restroom, 102, lounge, 104, Hallway B, basketball court, hallway C, restroom 2, storage, boys equipment room, boys shower | 10,000 sq. ft. | No | No |
| 1'x1' random peghole ceiling tile with mastic | JAC-02-01 A JAC-02-01 B | None detected | Previously sampled (Cape Env. 1992) | Not observed as previously stated | NA sq. ft. | No | No |
| 1'x1' peghole rows ceiling tile with mastic | JAC-03-01 A JAC-03-01 B | None detected | Previously sampled (Cape Env. 1992) | Not observed as previously stated | NA sq. ft. | No | No |
| Rough plaster | JAC-04-01 through JAC-04-03 | None detected | Previously sampled (Cape Env. 1992) | Room 114, 113, 111, hallway D, boys locker room, mech room, 118, 101 | 4,000 sq. ft. | No | No |
| Rough plaster | 5574 | None detected | Room 114, south wall center | Room 114, 113, 111, hallway D, boys locker room, mech room, 118, 101 | 4,000 sq. ft. | No | No |
| Rough plaster | 5575 | None detected | Boys locker, northwest corner | Room 114, 113, 111, hallway D, boys locker room, mech room, 118, 101 | 4,000 sq. ft. | No | No |
| 1'x1' grooved ceiling tile with mastic | JAC-05-01 A JAC-05-01 B | None detected (tile and mastic) | Previously sampled (Cape Env. 1992) | Room 102, 114, 113 | 500 sq. ft. | No | No |
| Acoustical plaster ceiling | JAC-07-01 | 3% Chrysotile | Previously sampled (Cape Env. 1992) | Room 114 | 120 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|----------------------|---|--|--|---------------------|----------------|---------------|
| 9"x9" tan with brown streaks floor tile with mastic | JAC-11-01 | 5% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Room 111 | 220 sq. ft. | No | No |
| 9"x9" brown and dark brown streaks floor tile with mastic | JAC-12-01 | 5% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Room 114, 113 | 150 sq. ft. | No | No |
| 9"x9" off white with green streak floor tile with mastic | JAC-13-01 | 2% Chrysotile (tile) 10% Chrysotile (mastic) | Previously sampled (Cape Env. 1992) | Room 106, 102, lounge | 650 sq. ft. | No | No |
| Stucco | 5563 | None detected | Exterior, basketball court, east center | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5564 | None detected | Exterior, west center by entry to hallway B | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5565 | None detected | Exterior, girls locker room, north center | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5566 | None detected | Exterior, boys locker room, southeast corner | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5567 | None detected | Exterior, room 118, southwest corner | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5568 | None detected | Exterior, room 106, northwest | Exterior walls | 12,000 sq. ft. | No | No |
| Stucco | 5569 | None detected | Exterior, by hallway C, west entry | Exterior walls | 12,000 sq. ft. | No | No |
| Texture coating | 5576 | None detected | Boys locker, north center | Boys locker (on rough plaster walls and ceiling) | 1,000 sq. ft. | No | No |
| Texture coating | 5577 | None detected | Boys locker, southwest corner | Boys locker (on rough plaster walls and ceiling) | 1,000 sq. ft. | No | No |
| Texture coating | 5578 | None detected | Boys locker, east wall center | Boys locker (on rough plaster walls and ceiling) | 1,000 sq. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|--|--------------------------|-----------------------------|---|--|-------------------------|----------------|---------------|
| Joint compound | 5579 | None detected | Room 116, northeast corner | Room 116 | 250 sq. ft. | No | No |
| Joint compound | 5580 | None detected | Room 116, northwest corner | Room 116 | 250 sq. ft. | No | No |
| Joint compound | 5581 | None detected | Room 116, southwest corner | Room 116 | 250 sq. ft. | No | No |
| Drywall | 5582 | None detected | Room 116, west wall center | Room 116 | 250 sq. ft. | No | No |
| Composite drywall with joint compound | 5583 | None detected | Room 116, southwest corner | Room 116 | 250 sq. ft. | No | No |
| 12" gray speckled floor tile with mastic | 5584 | None detected | Lounge, northwest corner | Room 102, lounge, 114, 113, equipment room, 116 | 500 sq. ft. | No | No |
| 2" gray cove base with adhesive | 5585 | None detected | Room 102, by restroom | Room 102, lounge, 114, 113, boys equipment room, 116 | 200 ln. ft. | No | No |
| 4" green cove base with adhesive | 5586 | None detected | Room 106, west wall center | Room 106 | 20 ln. ft. | No | No |
| 4" pink cove base with adhesive | 5587 | None detected | Girls locker, equipment area, northeast | Girls equipment room | 80 ln. ft. | No | No |

CLIENT: Santa Monica Malibu Unified School District
PROJECT NO: 108-0085
PROJECT NAME: John Adams Middle School

Building C (Gym Building)

| MATERIAL | SAMPLE NUMBER | ASBESTOS CONTENT | SAMPLE LOCATION | MATERIAL LOCATION | APPROX. QTY. | FRIABLE | DAMAGE |
|---|----------------------------|--|--|---|--------------|---------|--------|
| Window putty | 5588 | None detected | Exterior girls locker area, north center entry | Exterior window frames at north center entry to girls locker area | 10 ln. ft. | No | No |
| Cementitious bench panels | 5589 | None detected | Girls locker area, shower for handicap, bench | Girls locker area, handicap shower bench | 5 sq. ft. | No | No |
| Chalkboard mastic* | N/A | Assumed | Not sampled to avoid damage | Hallway A | 10 sq. ft. | No | No |
| 1'x1' random pinhole ceiling tile with mastic | JAC-08-01 A JAC-08-01 B | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Tank insulation | JAC-09-01 | 20% Chrysotile 30% Amosite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Pipe fitting insulation | JAC-10-01 | None detected | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Tank insulation | JAC-14-01 | 20% Chrysotile 2% Amosite 25% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Tank insulation | JAC-14-02 | 25% Chrysotile <1% Amosite 25% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |
| Hard pipe insulation | JAC-15-01 | 35% Chrysotile 15% Crocidolite | Previously sampled (Cape Env. 1992) | Not observed in areas stated in the previous report | NA sq. ft. | No | No |

NOTES:

*The material shall be sampled prior to disturbance during construction.
 Roof was not inspected.



CTL Environmental Services

APPENDIX B

LABORATORY ANALYSIS REPORT



AmeriSci Los Angeles

24416 SOUTH MAIN STREET • SUITE 308
CARSON, CA 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

March 6, 2008

CTL Environmental Services
Attn: C. Ruvalcaba
24404 S. Vermont Ave.
Suite 307
Harbor City, CA 90710

RE: CTL Environmental Services
Job Number 908031028
P.O. #32214
108-0088; John Adams M.S Bldg. - C

Dear C. Ruvalcaba:

Enclosed are the results for polarized light microscopy analysis (PLM) of the following CTL Environmental Services samples received at AmeriSci on Monday, March 03, 2008, for a 5 day turnaround:

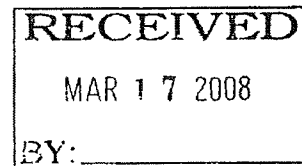
5563, 5564, 5565, 5566, 5567, 5568, 5569, 5570, 5571, 5572, 5573, 5574, 5575, 5576, 5577, 5578, 5579, 5580, 5581, 5582, 5583, 5584, 5585, 5586, 5587, 5588, 5589

The 27 samples contained in Ziplock Bags were shipped to AmeriSci via Hand delivery. These samples were prepared and analyzed according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A). The samples were evaluated for homogeneity by low power stereomicroscopy. Asbestos fibers were identified by PLM and dispersion staining through the determination of the required optical properties including: morphology, color, pleochroism, refractive indices, birefringence, extinction and sign of elongation. The required analytical information, analysis results, analyst signature and laboratory identification is contained in the Analyst's Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. The CV for this analysis is expected to range from 0.3 to 1.2, depending on the quantity of analyte present. AmeriSci assumes no responsibility for customer supplied data such as "sample type", "location", or "area sampled". This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology Accreditation AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,


Mary S. David
Client Services Manager



**AmeriSci Los Angeles**

24416 S. Main Street, Ste 308

Carson, California 90745

TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

CTL Environmental Services
Attn: C. Ruvalcaba
24404 S. Vermont Ave.
Suite 307
Harbor City, CA 90710

Date Received 03/03/08 AmeriSci Job # 908031028
Date Examined 03/06/08 P.O. # 32214
Page 1 of 6
RE: 108-0088; John Adams M.S Bldg. - C

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|--------------|------------------|---|
| 5563 Location: Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-01 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5564 Location: Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-02 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5565 Location: Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-03 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5566 Location: Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-04 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5567 Location: Stucco Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-05 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |

See Reporting notes on last page

Client Name: CTL Environmental Services

PLM Bulk Asbestos Report

108-0088; John Adams M.S Bldg. - C

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|--------------|------------------|---|
| 5568 Location: Stucco | 908031028-06 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5569 Location: Stucco | 908031028-07 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5570 Location: Smooth Plaster | 908031028-08 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5571 Location: Smooth Plaster | 908031028-09 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5572 Location: Smooth Plaster | 908031028-10 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5573 Location: Smooth Plaster | 908031028-11 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |

See Reporting notes on last page

PLM Bulk Asbestos Report

108-0088; John Adams M.S Bldg. - C

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|--------------|------------------|---|
| 5574 Location: Sand Plaster Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-12 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5575 Location: Sand Plaster Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-13 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5576 Location: Texture Coating Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-14 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5577 Location: Texture Coating Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-15 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5578 Location: Texture Coating Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-16 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5579 Location: Jt. Compound Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-17 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |

Client Name: CTL Environmental Services

PLM Bulk Asbestos Report

108-0088; John Adams M.S Bldg. - C

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|----------------|------------------|---|
| 5580 Location: Jt. Compound | 908031028-18 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5581 Location: Jt. Compound | 908031028-19 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5582 Location: Drywall | 908031028-20 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 15 %, Non-fibrous 85 % | | | |
| 5583 Location: Composite - Drywall W/Jt. Compound | 908031028-21 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige/Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 15 %, Non-fibrous 85 % | | | |
| 5584 Location: 12" Grey Speckled F.T W/Mastic | 908031028-22L1 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Grey, Homogeneous, Non-Fibrous, Floor Tile Asbestos Types: Other Material: Non-fibrous 100 % | | | |
| 5584 Location: 12" Grey Speckled F.T W/Mastic | 908031028-22L2 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Yellow, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Cellulose 3 %, Non-fibrous 97 % | | | |

See Reporting notes on last page

PLM Bulk Asbestos Report

108-0088; John Adams M.S Bldg. - C

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|----------------|------------------|--|
| 5585 | 908031028-23L1 | No | NAD |
| Location: 2" Grey Cove Base W/Adhesive | | | (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Black, Homogeneous, Non-Fibrous, Cove Base | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 5585 | 908031028-23L2 | No | NAD |
| Location: 2" Grey Cove Base W/Adhesive | | | (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Cream, Homogeneous, Non-Fibrous, Mastic | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 5586 | 908031028-24L1 | No | NAD |
| Location: 4" Green Cove Base W/Adhesive | | | (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Green, Homogeneous, Non-Fibrous, Cove Base | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 5586 | 908031028-24L2 | No | NAD |
| Location: 4" Green Cove Base W/Adhesive | | | (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Brown, Homogeneous, Non-Fibrous, Mastic | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 5586 | 908031028-24L3 | No | NAD |
| Location: 4" Green Cove Base W/Adhesive | | | (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Beige, Heterogeneous, Non-Fibrous, Cementitious, Leveling Compound | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 5587 | 908031028-25L1 | No | NAD |
| Location: 4" Pink Cove Base W/Adhesive | | | (by CVES) by Raymundo Orozco on 03/06/08 |
| Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cove Base | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |

Client Name: CTL Environmental Services

PLM Bulk Asbestos Report

108-0088; John Adams M.S Bldg. - C

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|----------------|------------------|---|
| 5587 Location: 4" Pink Cove Base W/Adhesive Analyst Description: Cream, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-25L2 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5588 Location: Window Putty Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 % | 908031028-26 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |
| 5589 Location: Cementitious Bench Panels Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 80 %, Non-fibrous 20 % | 908031028-27 | No | NAD (by CVES) by Raymundo Orozco on 03/06/08 |

Reporting Notes:Analyzed By: Raymundo Orozco ; Date Analyzed: 3/6/2008 3/6/08

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:  3/6/2008



Asbestos, Lead Analysis Chain of Custody

AMERISCI LOS ANGELES
 24416 S Main St. Suite 308
 Carson, CA 90745
 Phone (310) 834-4868
 Fax (310) 834-4772

AMERISCI JOB #:
908031028-

| | | | | | | | | | | |
|---|-----------------|------------------------|-----------|--------------------------|--------------|-------------------|---|-------|--------------------------------|--|
| COMPANY: CTL Environmental | | ADDRESS: | | | | | P.O.#: 32214 | | | |
| PROJECT INFORMATION | | ANALYSIS TYPE | | TURNAROUND TIME | | | | | AIR FILTER INFORMATION: | |
| | | | | RUSH | 24 Hr | 48 Hr | 72 Hr | 5 DAY | | |
| JOB NAME: John Adams M.S. Bldg - C | | ASBESTOS TEM AHERA | | | | | | | MCE | |
| JOB NUMBER: 108-0088 | | ASBESTOS PLM BULK | | | | | | X | PC | |
| JOB MANAGER: C. Ruvalcaba | | ASBESTOS PCM AIR | | | | | | | 25 mm | |
| JOB DESCRIPTION: | | ASBESTOS PLM 1000 P.C. | | | | | | | 37 mm | |
| | | LEAD AIR | | | | | | | 0.45 um | |
| | | LEAD WIPE | | | | | | | 0.80 um | |
| | | LEAD PAINT / SOLID | | | | | | | TEMP: | |
| | | OTHER: | | | | | | | OTHER: | |
| INITIAL RESULTS DELIVERY: <input checked="" type="checkbox"/> FAX <input type="checkbox"/> EMAIL <input type="checkbox"/> VERBAL <input type="checkbox"/> MAIL ONLY | | | | | | | RETURN SAMPLES Yes <input type="checkbox"/> | | | |
| REPORTS TO: | | | | | | | PHONE: | | | |
| INVOICE TO: | | | | | | | FAX: | | | |
| COMMENTS: | | | | | | | EMAIL: | | | |
| | | | | | | | PAGER/CELL: | | | |
| SAMPLE ID | SAMPLE LOCATION | START TIME | STOP TIME | TOTAL TIME X | LITERS /MIN. | TOTAL VOLUME | AREA SQUARE FT | | | |
| 5563 | stucco | | | | | | | | | |
| 5564 | I | | | | | | | | | |
| 5565 | | | | | | | | | | |
| 5566 | | | | | | | | | | |
| 5567 | | | | | | | | | | |
| 5568 | | | | | | | | | | |
| 5569 | smooth Plaster | | | | | | | | | |
| 5570 | | | | | | | | | | |
| 5571 | | | | | | | | | | |
| 5572 | | | | | | | | | | |
| 5573 | | | | | | | | | | |
| 5574 | sand Plaster | | | | | | | | | |
| 5575 | | | | | | | | | | |
| 5576 | | | | | | | | | | |
| 5577 | | | | | | | | | | |
| 5578 | | | | | | | | | | |
| 5579 | Jt. compound | | | | | | | | | |
| 5580 | | | | | | | | | | |
| 5581 | | | | | | | | | | |
| 5582 | | | | | | | | | | |
| | | | | | | | | | | |
| SAMPLED BY: [Signature] | | DATE/TIME: | | RECEIVED BY: [Signature] | | DATE/TIME: | | | | |
| RELINQUISHED BY: [Signature] | | DATE/TIME: 3/30/8 | | RECEIVED BY: [Signature] | | DATE/TIME: 3/03/8 | | 150 | | |
| RELINQUISHED BY: | | DATE/TIME: | | RECEIVED IN LAB BY: | | DATE/TIME: | | | | |



FIELD BULK SAMPLE LIST

CLIENT: SMMUSD Technician: F. Ruvalcaba
 PROJECT NO.: 10P-0085 Date: 2/21/08
 PROJECT NAME: John Adams, M.S. - Buildings C (Gym 0123) Page: 1 of 1

| PHOTO # | MATERIAL | SAMPLE # | SAMPLE LOCATION | MATERIAL LOCATION | EST. QTY. | F | D |
|---------|----------------------------------|-------------------|--------------------------|--|-----------------|---|---|
| 1 | Smooth Plaster | Jac-01-01 THIN | | See Samples 5570-73 for Material Locations | 6500 sq. ft. | N | N |
| 2 | 1"X1" Random Pebble | Jac-02-01 A: B | NAD | Not Observed | — | N | N |
| 3 | Ceiling tile w/ Marble | Jac-03-01 A: B | NAD (tile & Marble) | | — | — | — |
| 4 | 1"X1" Pebble Random Ceiling | Jac-04-01 A: B | NAD (tile & Marble) | See Samples 5574-5574 | 4000 sq. ft. | N | N |
| 5 | Plaster | Jac-05-01 THIN | NAD | Room 102, 114, 113, | 500 sq. ft. | N | N |
| 6 | 1"X1" Grooved Ceiling | Jac-06-01 A: B | NAD (tile & Marble) | Room 114 | 120 sq. ft. | N | N |
| 7 | Ceiling | Jac-07-01 | Positive | Not Observed | — | — | — |
| 8 | 1"X1" Random Pebble | Jac-08-01 A: B | NAD (tile & Marble) | Not Observed | — | — | — |
| 9 | Ceiling tile w/ Marble | Jac-09-01 | Positive | Not Observed | — | — | — |
| 10 | Pipe Insulation | Jac-10-01 | NAD | Not Observed | — | — | — |
| 11 | 9"X4" Insulation w/ Glass Strips | Jac-11-01 | | Room 111 | 220 sq. ft. | N | N |
| 12 | Floor tile w/ Marble | Jac-12-01 | Positive (tile & Marble) | Room 114, 113, | 150 sq. ft. | N | N |
| 13 | 9"X4" Brown & Black Brown | Jac-13-01 | Positive (tile & Marble) | | | | |
| 14 | Fluorescent Globe w/ Marble | | | | | | |

FIELD BULK SAMPLE LIST

CLIENT: S.M. MUSE PROJECT NO.: 108-0085 Technician: F. Rinalda
 PROJECT NAME: John Adams M.S. - Buildings C (Fry-Bldg) Date: 2/2/88
 Page: 2 of 4

| PHOTO # | MATERIAL | SAMPLE # | SAMPLE LOCATION | MATERIAL LOCATION | EST. QTY. | F | D |
|---------|------------------------------|-----------|--|-------------------|---------------|----|----|
| 17 | 9" x 4" x 1/2" White Foam | Jac-15-01 | Positive (file 3 Master) | Rm 106, 107, 108 | 550 sq. ft. | 10 | 10 |
| 18 | Stucco, floor tile & plastic | Jac-14-01 | Positive | Not observed | - | - | - |
| 19 | Blank insulator | Jac-14-02 | Positive | Not observed | - | - | - |
| 20 | Head Pipe Insulator | Jac-15-01 | Positive | Not observed | - | - | - |
| 21 | Stucco | 5563 | Exterior - Basketball Court - East Center | Exterior walls | 12000 sq. ft. | 10 | 10 |
| 22 | | 5564 | Exterior - West Center by entry to hallway 8 | | | | |
| 23 | | 5565 | Exterior - Girls Locker Room North Center | | | | |
| 24 | | 5566 | Exterior - Boys Locker South East corner | | | | |
| 25 | | 5567 | Exterior - Rm 118 South West corner | | | | |
| 26 | | 5568 | Exterior - Rm 106 North East corner | | | | |
| 27 | | 5569 | Exterior - By Hallway 2 West Building | | | | |

FIELD BULK SAMPLE LIST

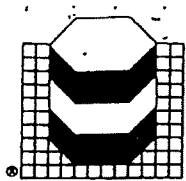
CLIENT: SMMUS
 PROJECT NO.: 108-0095
 PROJECT NAME: John Adams - H.S. - Building C
 Technician: F. Fawcett
 Date: 2/21/08
 Page: 5 of 4

| PHOTO # | MATERIAL | SAMPLE # | SAMPLE LOCATION | MATERIAL LOCATION | EST. QTY. | F | D |
|---------|-----------------|----------|--------------------------------------|--|-----------------|---|---|
| | Smooth Plaster | 5570 | Rm 104 - North East Corner | Girls Locker Rm, Girls Showers, P.E. Equipment Area, 106, Hallway A, Windows P.E., 102, Lounge, P.E. | 10000 39. ft | N | R |
| | | 5571 | Rm 106 - North West Corner | Hallway B, Basketball Court, Hallway C, 102, Storage | | | |
| | | 5572 | Girls Locker Rm - North West Corner | Boys Equipment Rm, Boys Shower | | | |
| | | 5573 | Boys Shower - West Wall Center | | | | |
| | St. Plaster | 5574 | Rm 114 - South wall Center | Rm 114, 113, 111, Hallway D, Boys Locker Rm | 4000 39. ft | N | R |
| | | 5575 | Boys Locker - North West Corner | Medicine Rm, 118, 101 | | | |
| | Texture Coating | 5576 | Boys Locker - North Center | Boys Locker - Cor. Long's Master Wall, Cor. Hallway | 1000 39. ft | N | R |
| | | 5577 | Boys Locker - South wall West Corner | | | | |
| | | 5578 | Boys Locker - East Wall Center | | | | |
| | St. Cor. | 5579 | Rm 116 - North East Corner | Rm 116 | 2500 39. ft | N | R |
| | | 5580 | Rm 116 - North West Corner | | | | |

CLIENT: SMARD
PROJECT NO.: 108-0085
PROJECT NAME: John Adams, M.S. Building C

| PHOTO # | MATERIAL | SAMPLE # | SAMPLE LOCATION | MATERIAL LOCATION | EST. QTY. | F | D |
|---------|--|----------|---|--|------------------------------|---|---|
| . | Jt. Seal | 5581 | Rm 116 - South West Corner | | 250 sq. ft | P | P |
| . | Drywall | 5582 | Rm 116 - West Wall | | | | |
| . | Composite Drywall & Jt. Cap | 5583 | Rm 116 - Southwest Corner | | | | |
| . | 12" Gray Specified Floor tile w/ Mar-2 | 5584 | Lounge - North West Corner | Rm 102, Lounge, 114, 113 Equipment Rm 116 | 300 sq. ft 99. ft | P | 2 |
| . | 2" Gray Covebase w/ Adhesive | 5585 | Rm 102 - by RR | 102 Showers, 114, 113, Boys Equipment Rm - 116 | 200 sq. ft | | |
| . | 4" Green Covebase w/ Adhesive | 5586 | Rm 106 - West Wall Center | 106 | 20 sq. ft | | |
| . | 4" Pink Covebase w/ Adhesive | 5587 | Girls Locker - Equipment Area - North East | Girls Equipment Rm | 90 sq. ft | | |
| . | Window Putty | 5588 | Girls Locker Area - North East Girls Locker Area - Shower Center Equipment Entry | Exterior Windows Frames at North Locker Entry to Girls Locker Area | 10 sq. ft | | |
| . | Ceramicous Bench Panels | 5589 | Girls Locker Area - Shower for Handicap - Bench | Girls Locker Area - Handicap Shower Bench | 5 sq. ft | | |
| . | Chalkboard Plastic | Ass'd | Not Sampled Medical Internet | Hallway A | 10 sq. ft | N | N |
| | Note: Roof was not inspected | | | | | | |

APPENDIX E
PREVIOUS REPORT CAPE ENVIRONMENTAL (1992)



Hygeia Environmental Laboratories Inc.

Atlanta
Boston
Los Angeles
New York
Utica

82 W. Sierra Madre Blvd.
Sierra Madre, California
91024-2434

818-355-4711
FAX: 818-355-4497

July 23, 1992

RECEIVED JUL 30 1992

Mr. Kurt Gates
Cape Environmental Mgt. Inc.
5777 W. Century Blvd. Ste. 260
Los Angeles, CA 90045

Subject: PLM Analysis of Bulk Samples - Normal
C1122920053
41017.29 Adams

Dear Mr. Gates:

This report, which includes the attached Summary, contains the results of the analyses of the 258 bulk samples collected by you and submitted to this laboratory on July 8, 1992. The analyses were performed in accordance with the EPA Interim Method 600/M4-82-020, December 1982. The phase abundances provided are visually estimated and expressed as percent area. These results should be considered to lie within statistical limits of variability inherent in the method employed. On a per sample basis, the accuracy and precision of the results depend on the type of sample and on its asbestos content.

Hygeia recommends transmission electron microscopy (TEM) analysis on bulk materials which contain a large amount of interfering materials (e.g., vinyl floor tile, mastics, roofing materials, joint compounds) when polarized light microscopy (PLM) analysis shows less than one percent or undetectable quantities of asbestos. These materials often contain milled asbestos with fiber lengths of one micrometer or less. Because these fibers are not detected by PLM, PLM analysis may yield a false negative result.

Hygeia Environmental Laboratories Inc. is accredited under the NIST/NVLAP program for asbestos in bulk materials by polarized light microscopy and the State of California for asbestos analysis.

Hygeia Environmental Laboratories Inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples or for any misuse or interpretation of information supplied by us. Liability shall extend to providing replicate analyses only. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. We will retain these samples for a period of three months unless otherwise specified. This report relates only to the samples submitted and analyzed.

If you have any questions regarding your results, this report, or the analytical methods employed, please feel free to contact us at (818) 355-4711.

Sincerely,
Hygeia Environmental Laboratories Inc.

Daniel Gamez
Supervisor of Optical Microscopy

Attachments
PMR

Gustavo A. Delgado, Ph.D.
VP/Director of Operations
Hygeia, Los Angeles Region

Bulk Sample Analysis Summary

Page 7

Date: July 23, 1992
Hygeia Ref. No.: C1122920053

Microscopist: Fidel Gutierrez

| Client ID No. Hygeia ID No. | Sample Description | Asbestos Detected | Analytical Results | Q.C. |
|--------------------------------|--------------------|----------------------|--|------|
| JAC-1-01 73147C | Bldg. C | No | 100% mineral filler | |
| JAC-1-02 73148C | Bldg. C | No | 100% mineral filler | X |
| JAC-1-03 73149C | Bldg. C | No | 100% mineral filler | |
| JAC-2-01A 73150C | Bldg. C | No | 90% cellulose 2% fibrous glass 8% non-fibrous material | |
| JAC-2-01B 73151C | Bldg. C | No | 20% cellulose 40% mineral filler 40% organic binders | X |
| JAC-3-01A 73152C | Bldg. C | No | 95% cellulose 5% non-fibrous material | |
| JAC-3-01B 73153C | Bldg. C | No | 20% cellulose 40% mineral filler 40% organic binders | X |
| JAC-4-01 73154C | Bldg. C | No | 100% mineral filler | |

Bulk Sample Analysis Summary

Page 8

Date: July 23, 1992

Hygeia Ref. No.: C1122920053

Microscopist: Fidel Gutierrez

| Client ID No. Hygeia ID No. | Sample Description | Asbestos Detected | Analytical Results | Q.C. |
|--------------------------------|--------------------|----------------------|---|------|
| JAC-4-02 73155C | Bldg. C | No | 100% mineral filler | |
| JAC-4-03 73156C | Bldg. C | No | 100% mineral filler | |
| JAC-5-01A 73157C | Bldg. C | No | 95% cellulose 5% non-fibrous material | |
| JAC-5-01B 73158C | Bldg. C | No | 40% mineral filler 40% organic binders 20% non-fibrous material | |
| JAC-7-01 73159C | Bldg. C | Yes | 3% chrysotile 97% mineral filler | X |
| JAC-8-01A 73160C | Bldg. C | No | 45% cellulose 45% fibrous glass 10% non-fibrous material | |
| JAC-8-01B 73161C | Bldg. C | No | 10% cellulose 40% mineral filler 50% non-fibrous material | |
| JAC-9-01 73162C | Bldg. C | Yes | 20% chrysotile 30% amosite 10% cellulose 40% mineral filler | |

Bulk Sample Analysis Summary

Page 9

Date: July 23, 1992
Hygeia Ref. No.: C1122920053

Microscopist: Fidel Gutierrez

| Client ID No. Hygeia ID No. | Sample Description | Asbestos Detected | Analytical Results | Q.C. |
|--------------------------------|--------------------|----------------------|--|------|
| JAC-10-01 73163C | Bldg. C | No | 10% cellulose 50% fibrous glass 40% mineral filler | |
| JAC-11-01 73164C | Bldg. C (tile) | Yes | 5% chrysotile 95% fibrous glass | |
| JAC-11-01 73164C | Bldg. C (mastic) | Yes | 10% chrysotile 40% mineral filler 40% organic binders 10% non-fibrous material | |
| JAC-12-01 73165C | Bldg. C (tile) | Yes | 5% chrysotile 2% cellulose 93% mineral filler | |
| JAC-12-01 73165C | Bldg. C (mastic) | Yes | 10% chrysotile 20% mineral filler 40% organic binders 30% non-fibrous material | |
| JAC-13-01 73166C | Bldg. C (tile) | Yes | 2% chrysotile 98% mineral filler | |
| JAC-13-01 73166C | Bldg. C (mastic) | Yes | 10% chrysotile 3% cellulose 22% mineral filler 40% organic binders 25% non-fibrous material | |
| JAC-14-01 73167C | Bldg. C | Yes | 20% chrysotile 2% amosite 25% crocidolite 3% cellulose 50% mineral filler | |

Bulk Sample Analysis Summary

Page 10

Date: July 23, 1992

Hygeia Ref. No.: C1122920053

Microscopist: Fidel Gutierrez

| Client ID No. Hygeia ID No. | Sample Description | Asbestos Detected | Analytical Results | Q.C. |
|--------------------------------|---------------------------|----------------------|---|------|
| JAC-14-02 73168C | Bldg. C | Yes | 25% chrysotile <1% amosite 25% crocidolite 5% cellulose 45% mineral filler | |
| JAC-15-01 73169C | Bldg. C | Yes | 35% chrysotile 15% crocidolite 5% cellulose 45% mineral filler | |
| JAC-16-01 73170C | Bldg. C | No | 100% mineral filler | X |
| JAD-1-01 73171C | Bldgs. D,E,F,G&H | Yes | 2% chrysotile 98% mineral filler | |
| JAD-1-02 73172C | Bldgs. D,E,F,G&H | Yes | 2% chrysotile 98% mineral filler | |
| JAD-1-03 73173C | Bldgs. D,E,F,G&H | Yes | 2% chrysotile 98% mineral filler | |
| JAD-2-01 73174C | Bldgs. D,E,F,G&H (tile) | Yes | 5% chrysotile 95% mineral filler | |
| JAD-2-01 73174C | Bldgs. D,E,F,G&H (mastic) | No | 2% cellulose 58% mineral filler 40% organic binders | |

QUALITY CONTROL LABORATORY

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAR-3-01 AETL LAB NO : 35990 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LAYERED: 1) LIGHT GREY SOFT FIBROUS;
DESCRIPTION 2) LIGHT GREY SEMI HARD POWDERY WITH PAINT AND FIBERS.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|-------|-----------------------|---------|
| CHRYSTOTILE | 1 - 2 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | 2 | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 30 | GLUE | |
| ANIMAL HAIR | | BINDERS | 66 - 67 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :
ALEXEY REZNIK

QUALITY CONTROL BY :
LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-8-01 AETL LAB NO : 35991 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LAYERED: 1) LIGHT BROWN HARD COMPACT PARTLY GRANULAR TO FIBROUS;
DESCRIPTION 2) BLACK SOFT BITUMENOUS TO FIBROUS.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTILE | 20 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | 15 |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | 15 |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | | GLUE | |
| ANIMAL HAIR | | BINDERS | 50 |
| ANTIGORITE | | | |

OMMENTS : ASBESTOS FOUND IN BOTH BITUMEN AND FLOOR TILE.
BITUMEN CONTAINS 15% CHRYSTILE.

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MICROANALYST :
AR
ALEXEY REZNIK

QUALITY CONTROL BY :
lev kuznetsov
LEV KUZNETSOV

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TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-4-01 AETL LAB NO : 35992 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREEN SEMI HARD POWDERY TO PERLITIC WITH FIBERS,
DESCRIPTION AGGREGATES AND MICA.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|---|-----------------------|----|
| CHRYSTILE | 3 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | 3 |
| ANTHOPHYLITE | | PERLITE | 30 |
| TREMOLITE | | AGGREGATE/SAND | 10 |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | | GLUE | |
| ANIMAL HAIR | | BINDERS | 54 |
| ANTIGORITE | | | |

OMMENTS :

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MICROANALYST :
AR
ALEXEY REZNIK

QUALITY CONTROL BY :
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LEV KUZNETSOV

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CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-12-01 AETL LAB NO : 35993 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - GREEN TO LIGHT BROWN SEMI HARD RESILIENT WITH AGGREGATES,
DESCRIPTION ALUMINUM AND PAINT.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|--|-----------------------|----|
| CHRYSTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | 10 |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | 5 |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | 80 |
| CELLULOSE | | GLUE | |
| ANIMAL HAIR | | BINDERS | 5 |
| ANTIGORITE | | | |

OMMENTS : PAINT INCLUDED AS BINDER.

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MICROANALYST :

AR

ALEXEY REZNIK

QUALITY CONTROL BY :

lev kuznetsov

LEV KUZNETSOV

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TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-14-01 AETL LAB NO : 35994 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LAYERED: 1) LIGHT BROWN SEMI HARD GUMMY WITH GLUE;
DESCRIPTION 2) DARK BROWN SOFT GUMMY TO WOVEN.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 20 | GLUE | 3 |
| ANIMAL HAIR | | BINDERS | 77 |
| ANTIGORITE | | | |

COMMENTS :

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MICROANALYST :
AR
ALEXEY REZNIK

QUALITY CONTROL BY :
lev kuznetsov
LEV KUZNETSOV

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CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-18-01 AETL LAB NO : 35995 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LAYERED: 1) GREEN SEMI HARD RESILIENT;
DESCRIPTION 2) BLACK SOFT BITUMENOUS TO WOVEN WITH FIBERS.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSOTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | 10 |
| FIBERGLASS | | RESILIENT MATERIAL | 50 |
| CELLULOSE | 30 | GLUE | |
| ANIMAL HAIR | | BINDERS | 10 |
| ANTIGORITE | | | |

COMMENTS :

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MICROANALYST :

ALEXEY REZNIK

QUALITY CONTROL BY :

LEV KUZNETSOV

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CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME : JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-19-01 AETL LAB NO : 35996 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY SOFT FIBROUS TO PERLITIC WITH PAINT.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | 30 |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | 30 | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 30 | GLUE | |
| ANIMAL HAIR | | BINDERS | 10 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

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MICROANALYST :
AR
ALEXEY REZNIK

QUALITY CONTROL BY :
lev kuznetsov
LEV KUZNETSOV

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CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAN-26-02 AETL LAB NO : 35997 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY SOFT FIBROUS TO PERLITIC WITH PAINT.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | 30 |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | 30 | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 30 | GLUE | |
| ANIMAL HAIR | | BINDERS | 10 |
| ANTIGORITE | | | |

REMARKS : PAINT INCLUDED AS BINDER.

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MICROANALYST :
A R
ALEXEY REZNIK

QUALITY CONTROL BY :
lev kuznetsov
LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAL-05-01 AETL LAB NO : 35998 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT BROWN SOFT FIBROUS WITH PAINT.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 90 | GLUE | |
| ANIMAL HAIR | | BINDERS | 10 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

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MICROANALYST :

A R

ALEXEY REZNIK

QUALITY CONTROL BY :

lev kuznetsov

LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/13/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAL-8-01 AETL LAB NO : 35999 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY SOFT WOVEN TO RESILIENT.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | 40 |
| CELLULOSE | 60 | GLUE | |
| ANIMAL HAIR | | BINDERS | |
| ANTIGORITE | | | |

OMMENTS :

is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :
A R

ALEXEY REZNIK

QUALITY CONTROL BY :
lev kuznetsov
LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAK-7-01A AETL LAB NO : 36000 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - BROWN SOFT FIBROUS WITH PAINT.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 90 | GLUE | |
| ANIMAL HAIR | | BINDERS | 10 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

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MICROANALYST :

Lev Kuznetsov
LEV KUZNETSOV

QUALITY CONTROL BY :

Alexey Reznik
ALEXEY REZNIK

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAK-4-01 AETL LAB NO : 36001 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY HARD SILTY TO PARTLY GRANULAR WITH MICA, FIBERS AND
DESCRIPTION PAINT.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|---|-----------------------|----|
| CHRYSOTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | 5 |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | 40 |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 3 | GLUE | |
| ANIMAL HAIR | | BINDERS | 52 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

lev kuznetsov
LEV KUZNETSOV

QUALITY CONTROL BY :

ALEXEY REZNIK
ALEXEY REZNIK

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAD-10-01 AETL LAB NO : 36004 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY SOFT FIBROUS WITH PAINT.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | 50 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 25 | GLUE | |
| ANIMAL HAIR | | BINDERS | 25 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

Lev Kuznetsov

LEV KUZNETSOV

QUALITY CONTROL BY :

A R

ALEXEY REZNIK

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TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAD-1-01 AETL LAB NO : 36005 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT BROWN HARD SILTY WITH PAINT, GLUE AND FIBERS.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|-------|-----------------------|---------|
| CHRYSTOTILE | 1 - 2 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 1 | GLUE | 10 |
| ANIMAL HAIR | | BINDERS | 87 - 88 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

lev kuznetsov

LEV KUZNETSOV

QUALITY CONTROL BY :

Alexey Reznik

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TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAB-10-01 AETL LAB NO : 36006 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY SOFT POWDERY TO FIBROUS.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTILE | 20 | VERMICULITE | |
| AMOSITE | 20 | BIOTITE | |
| CROCIDOLITE | 10 | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | | GLUE | |
| ANIMAL HAIR | | BINDERS | 50 |
| ANTIGORITE | | | |

OMMENTS :

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

Lev Kuznetsov
LEV KUZNETSOV

QUALITY CONTROL BY :

Alexey Reznik
ALEXEY REZNIK

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAB-15-01 AETL LAB NO : 36007 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY SOFT FIBROUS.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | 60 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 10 | GLUE | |
| ANIMAL HAIR | | BINDERS | 30 |
| ANTIGORITE | | | |

OMMENTS :

is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

lev kuznetsov
LEV KUZNETSOV

QUALITY CONTROL BY :

Alexey Reznik
ALEXEY REZNIK

Applied Environmental Testing Laboratories, Inc.
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TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAB-5-01 AETL LAB NO : 36008 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LIGHT GREY HARD SILTY TO PARTLY GRANULAR WITH FIBERS.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|---|-----------------------|----|
| CHRYSTILE | | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | 40 |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 3 | GLUE | |
| ANIMAL HAIR | | BINDERS | 57 |
| ANTIGORITE | | | |

OMMENTS :

is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

lev kuznetsov
LEV KUZNETSOV

QUALITY CONTROL BY :

Alexey Reznik
ALEXEY REZNIK

Applied Environmental Testing Laboratories, Inc.
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TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAA-7-01 AETL LAB NO : 36009 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - LAYERED: 1) LIGHT GREY SEMI HARD WOVEN WITH PAINT;
DESCRIPTION 2) LIGHT GREY SOFT FIBROUS TO POWDERY.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTILE | 5 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | 10 | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 40 | GLUE | |
| ANIMAL HAIR | | BINDERS | 45 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

LEV Kuznetsov
LEV KUZNETSOV

QUALITY CONTROL BY :

ALEXEY REZNIK
ALEXEY REZNIK

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAA-6-01 AETL LAB NO : 36010 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - GREY HARD COMPACT PARTLY GRANULAR TO FIBROUS WITH BLACK MASTIC
DESCRIPTION AND GLUE.

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | 10 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | 30 |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | 3 |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 1 | GLUE | 3 |
| ANIMAL HAIR | | BINDERS | 53 |
| ANTIGORITE | | | |

COMMENTS :

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

ALEXEY REZNIK

QUALITY CONTROL BY :

LEV KUZNETSOV

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAC-12-01 AETL LAB NO : 36011 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - GREY HARD COMPACT PARTLY GRANULAR TO FIBROUS WITH BLACK MASTIC.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|----|-----------------------|----|
| CHRYSTOTILE | 15 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | |
| ANTHOPHYLITE | | PERLITE | |
| TREMOLITE | | AGGREGATE/SAND | 30 |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | 3 |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | | GLUE | |
| ANIMAL HAIR | | BINDERS | 52 |
| ANTIGORITE | | | |

COMMENTS : ASBESTOS FOUND IN BOTH BITUMEN AND FLOOR TILE.
BITUMEN CONTAINS 20% CHRYSTOTILE.

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

MICROANALYST :

ALEXEY REZNIK

QUALITY CONTROL BY :

LEV KUZNETSOV

APPENDIX C

Applied Environmental Testing Laboratories, Inc.
2900 Chamblee Tucker Rd, Bldg 14, Suite 200 Atlanta, GA 30341
TEL: (404)451-8155 1-800-228-5221

CLIENT NAME : CAPE ENVIRONMENTAL MANAGEMENT DATE : 07/14/92

PROJECT NAME: JOHN ADAMS MIDDLE /41017.29

SAMPLE ID : QC-JAC-7-01 AETL LAB NO : 36012 AETL JOB NO : 1468

SAMPLE LOCATION :

SAMPLE - GREY HARD POWDERY TO PERLITIC WITH FIBERS, MICA AND PAINT.
DESCRIPTION

RESULT OF BULK SAMPLE ANALYSIS (BY VISUAL VOLUMETRIC PERCENTAGE)

| ASBESTOS FIBERS | | NONFIBROUS COMPONENTS | |
|--------------------|---|-----------------------|----|
| CHRYSTOTILE | 3 | VERMICULITE | |
| AMOSITE | | BIOTITE | |
| CROCIDOLITE | | MICA | 3 |
| ANTHOPHYLITE | | PERLITE | 30 |
| TREMOLITE | | AGGREGATE/SAND | |
| ACTINOLITE | | STYROFOAM | |
| NONASBESTOS FIBERS | | OTHER COMPONENTS | |
| SYNTHETICS | | ALUMINUM | |
| MINERAL WOOL | | BITUMEN | |
| FIBERGLASS | | RESILIENT MATERIAL | |
| CELLULOSE | 1 | GLUE | |
| ANIMAL HAIR | | BINDERS | 63 |
| ANTIGORITE | | | |

COMMENTS : PAINT INCLUDED AS BINDER.

It is certified by the signature below that the laboratory identified is accredited by the National Institute of Standards and Technology for polarized light microscope (PLM) under the EPA Interim Asbestos Bulk Sample Quality Assurance Program.

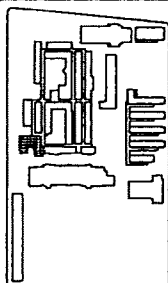
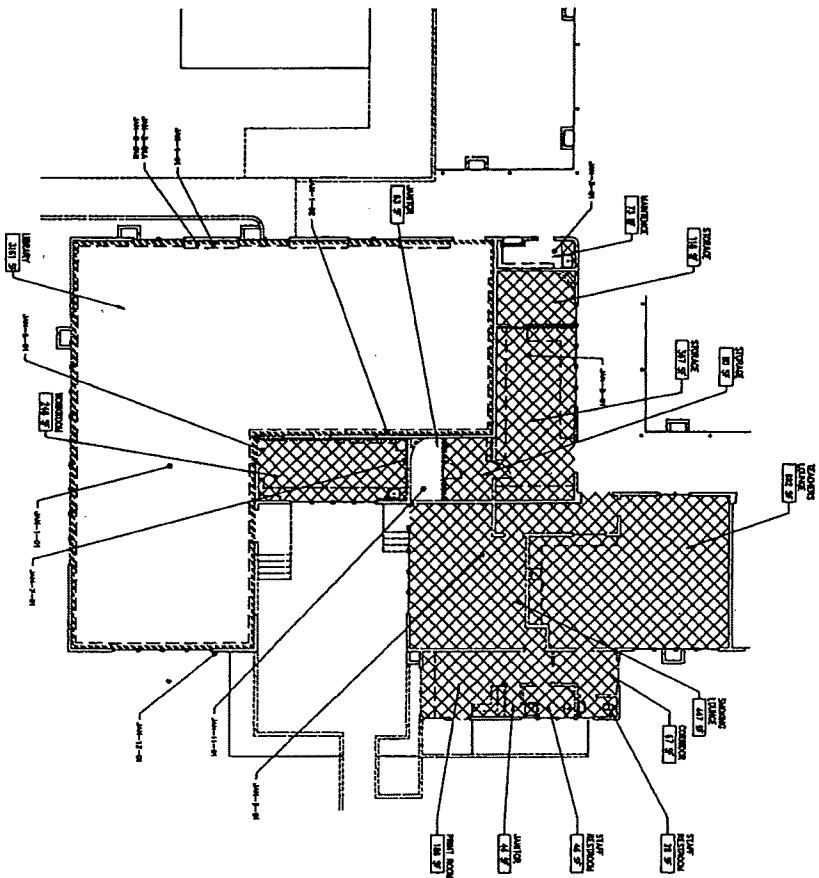
MICROANALYST :

ALEXEY REZNIK

QUALITY CONTROL BY :

LEV KUZNETSOV

| | |
|--------------------------|---|
| $1/\pi^2 = 1 - \theta^2$ | 1 |
|--------------------------|---|



KEY PLAN

**C A P E
ENVIRONMENTAL
MANAGEMENT
I N C**

ROBERT S. VERMONT, ATTORNEY
DALE EBO
Torrance, CA 90503
(310) 582-4800

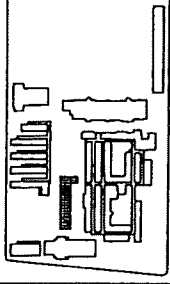
KEY POINTS

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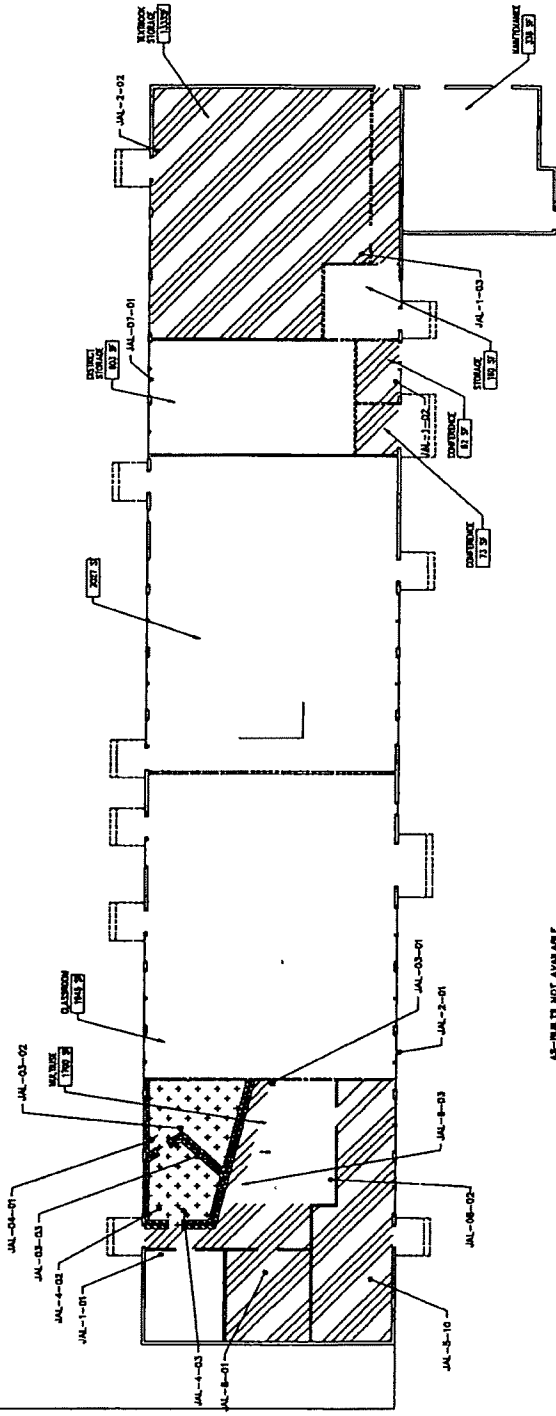
PROJECT NAME:
JOHN ADAMS
MIDDLE SCHOOL
SANTA MONICA - MALIBU
UNIFIED SCHOOL DISTRICT

SHEET TITLE:
BUILDING IN
FLOOR PLAN

41017.50



KEY PLAN



25-11111-100

- NOTES:**
1. WINDOW PUTTY LOCATED ON EXTENSION OF WINDOW.
 2. ASSUMED ASBESTOS CONTAINING CHALKBOARDS LOCATED IN CLASSROOMS.

LEGEND




- | | |
|---|--|
|  | ASBESTOS-CONTAINING CEMENT CEMENTS AND JOINT COMPOUND |
|  | ASBESTOS-CONTAINING 12" x 12" FLOOR TILE AND MASTIC |
|  | ASBESTOS-CONTAINING GYPSUM WALL |

TABLE 4.1

SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

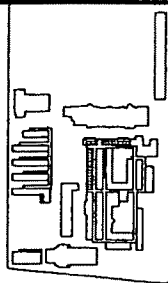
| <u>SAMPLE NUMBER</u> | <u>MATERIAL DESCRIPTION/LOCATION</u> | <u>LABORATORY ANALYSIS RESULTS</u> |
|--------------------------|---|---|
| JAL-01-01 | 12"x 12" floor tile - tan w/white and brown spots and mastic/Building L | 2% chrysotile (T) 10% chrysotile (M) |
| JAL-01-02 | 12"x 12" floor tile - tan w/white and brown spots and mastic/Building L | 2% chrysotile (T) 10% chrysotile (M) |
| JAL-01-03 | 12"x 12" floor tile - tan w/white and brown spots and mastic/Building L | 2% chrysotile (T) 10% chrysotile (M) |
| JAL-02-01 | Smooth plaster walls/Building L | NAD |
| JAL-02-02 | Smooth plaster walls/Building L | NAD |
| JAL-03-01 | Tectum board/Building L | NAD |
| JAL-03-02 | Tectum board/Building L | NAD |
| JAL-03-03 | Tectum board/Building L | NAD |
| JAL-04-01 | Gypsum board walls and clgs/joint compound/Building L | 3% chrysotile |
| JAL-04-02 | Gypsum board walls and clgs/joint compound/Building L | 3% chrysotile |
| JAL-04-02 | Gypsum board walls and clgs/joint compound/Building L | 3% chrysotile |
| JAL-05-01 | 1'x 1' ceiling tile/Building L | NAD |
| JAL-06-01 | Exterior stucco/Building L | NAD |
| JAL-07-01 | Window putty/Building L | 3% chrysotile |
| JAL-08-01 | Duct tape on HVAC system/Building L | NAD |
| JAL-08-02 | Duct tape on HVAC system/Building L | NAD |
| JAL-08-03 | Duct tape on HVAC system /Building L | NAD |
| JAN-01-01 | Smooth plaster walls and clgs/Building N | NAD |
| JAN-01-02 | Smooth plaster walls and clgs/Building N | NAD |
| JAN-01-03 | Smooth plaster walls and clgs/Building T | NAD |
| JAN-02-01A | 1'x 1' ceiling tile - random peghole/Building N | NAD |
| JAN-02-01B | Mastic on 1'x 1' ceiling tile - random peghole/Building N | NAD |
| JAN-03-01 | Rough plaster walls and clgs/Building N | NAD |
| JAN-03-02 | Rough plaster walls and clgs/Building P | NAD |
| JAN-03-03 | Rough plaster walls and clgs/Building S | NAD |
| JAN-03-04 | Rough plaster walls and clgs/Building | NAD |
| JAN-03-05 | Rough plaster walls and clgs/Building Q | NAD |
| JAN-04-01 | Acoustical plaster ceilings/Building N | 2% chrysotile |
| JAN-04-02 | Acoustical plaster ceilings/Building N | 2% chrysotile |
| JAN-04-03 | Acoustical plaster ceilings/Building P | 2% chrysotile |
| JAN-04-04 | Acoustical plaster ceilings/Building S | 2% chrysotile |
| JAN-04-05 | Acoustical plaster ceilings/Building Q | 2% chrysotile |
| JAN-05-01 | Gypsum board walls and clgs/joint compound/Building N | 2% chrysotile |
| JAN-05-02 | Gypsum board walls and clgs/joint compound/Building T | 2% chrysotile |
| JAN-05-03 | Gypsum board walls and clgs/joint compound/Building T | 2% chrysotile |
| JAN-06-01A | 1'x 1' ceiling tile - peghole rows/Building N | NAD |
| JAN-06-01B | Mastic on 1'x 1' ceiling tile - peghole rows/Building N | NAD |

K0920005.RPT

ADAMS MIDDLE SCHOOL

TABLE 4.1
SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

| <u>SAMPLE NUMBER</u> | <u>MATERIAL DESCRIPTION/LOCATION</u> | <u>LABORATORY ANALYSIS RESULTS</u> |
|--------------------------|---|---|
| JAN-07-01 | 9"x 9" floor tile - grey w/white streaks and mastic/Building N | 5% chrysotile (T) 3% chrysotile (M) |
| JAN-08-01 | 9"x 9" floor tile - beige w/white streaks and mastic/Building N | 5% chrysotile (T) 10% chrysotile (M) |
| JAN-09-01 | 9"x 9" floor tile - green w/white streaks and mastic/Building N | 5% chrysotile (T) 10% chrysotile (M) |
| JAN-10-01 | Linoleum - wood pattern and mastic/Building T | NAD (T) |
| JAN-10-02 | Linoleum - wood pattern and mastic/Building T | NAD (M) |
| JAN-10-03 | Linoleum - wood pattern and mastic/Building T | NAD (T) |
| | | NAD (M) |
| JAN-11-01 | Pipe fitting insulation/Building N | NAD |
| JAN-12-01 | Exterior stucco/Building N | NAD |
| JAN-12-02 | Exterior stucco/Building Q | NAD |
| JAN-12-03 | Exterior stucco/Building V | NAD |
| JAN-13-01 | 9"x 9" floor tile - green w/brown spots and mastic/Building N | 5% chrysotile (T) 10% chrysotile (M) |
| JAN-14-01 | Linoleum - beige marble pattern and mastic/Building N | NAD (T) |
| JAN-14-02 | Linoleum - beige marble pattern and mastic/Building N | NAD (M) |
| JAN-14-03 | Linoleum - beige marble pattern and mastic/Building N | NAD (T) |
| | | NAD (M) |
| JAN-16-01 | 12"x 12" floor tile - brown and mastic/Building N | 2% chrysotile (T) |
| JAN-16-02 | 12"x 12" floor tile - brown and mastic/Building N | 2% chrysotile (M) |
| JAN-16-03 | 12"x 12" floor tile - brown and mastic/Building N | 2% chrysotile (T) |
| | | NAD (M) |
| | | 2% chrysotile (T) |
| | | 2% chrysotile (M) |
| JAN-17-01 | 9"x 9" floor tile - marble pattern and mastic/Building N | NAD |
| JAN-18-01 | Linoleum - dark green and mastic/Building P | NAD (T) |
| JAN-18-02 | Linoleum - dark green and mastic/Building P | NAD (M) |
| JAN-18-03 | Linoleum - dark green and mastic/Building S | NAD (T) |
| | | NAD (M) |
| JAN-19-01 | 2'x 4' ceiling tile - random pinhole and fissure/Building Q | NAD |
| JAN-19-02 | 2'x 4' ceiling tile - random pinhole and fissure/Building Q | NAD |
| JAN-19-03 | 2'x 4' ceiling tile - random pinhole and fissure/Building Q | NAD |
| JAN-20-01A | 1'x 1' ceiling tile - random pinhole/Building Q | NAD |
| JAN-20-01B | Mastic on 1'x 1' ceiling tile - random pinhole/Building Q | NAD |






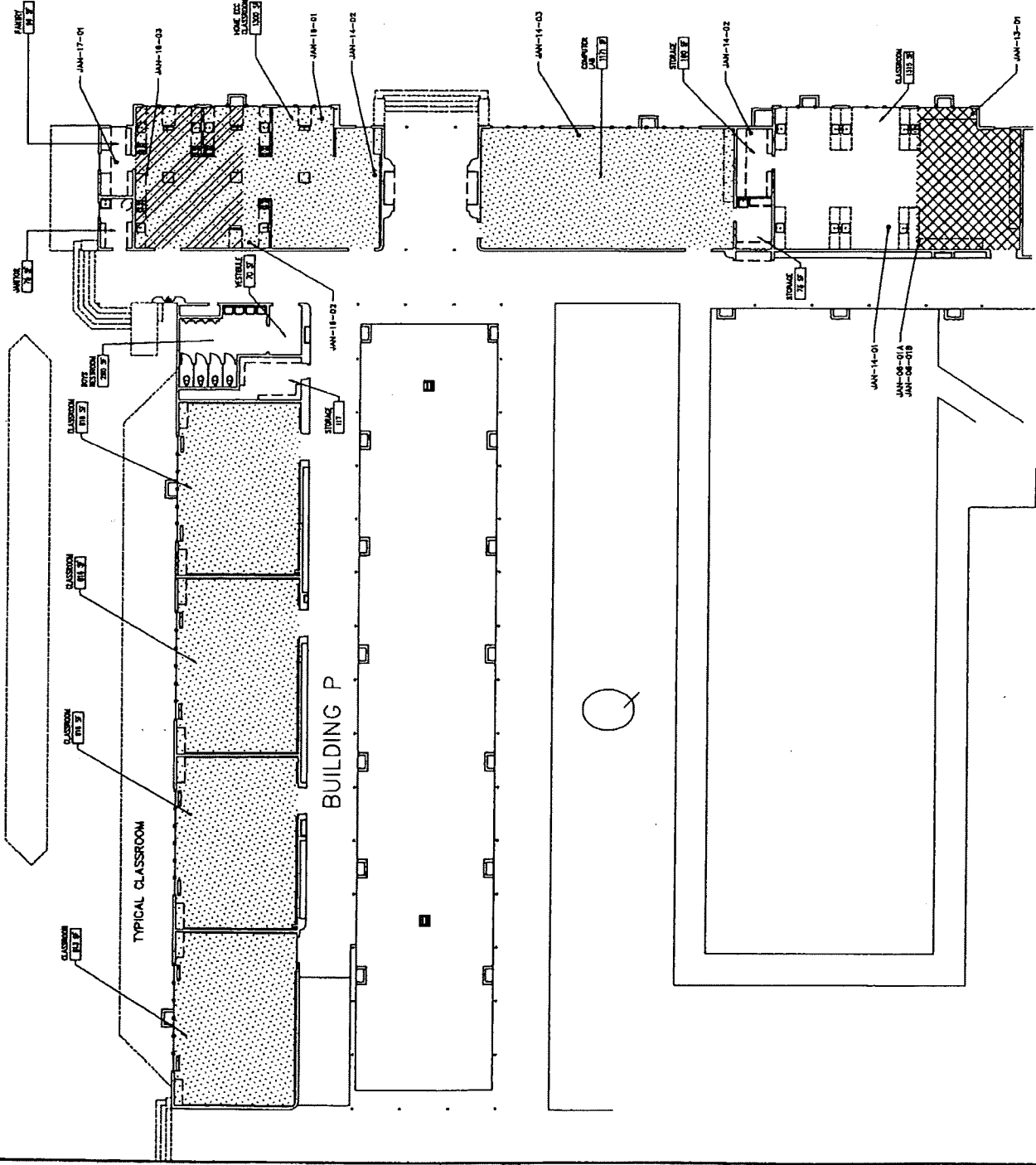
KEY PLAN

STOP

1. COURT ASSESSES FIVE IN BUILDING "A" HOLDING ONLY PROSECUTED CLASSES, AND BUILDING "M" COMPUTER LAB.

LEGEND

| | |
|---|---|
|  | ASBESTOS-CONTAINING AGGREGATE PLASTER COULDER |
|  | ASBESTOS-CONTAINING 8" x 8" FLOOR TILE AND MASTIC |
|  | ASBESTOS-CONTAINING 12" x 12" FLOOR TILE AND MASTIC |

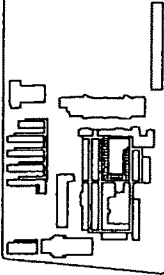


BUILDING Z

BUILDING "P" AND "N" (PARTIAL)

**PROJECT
NORTH**

1/8-11-57





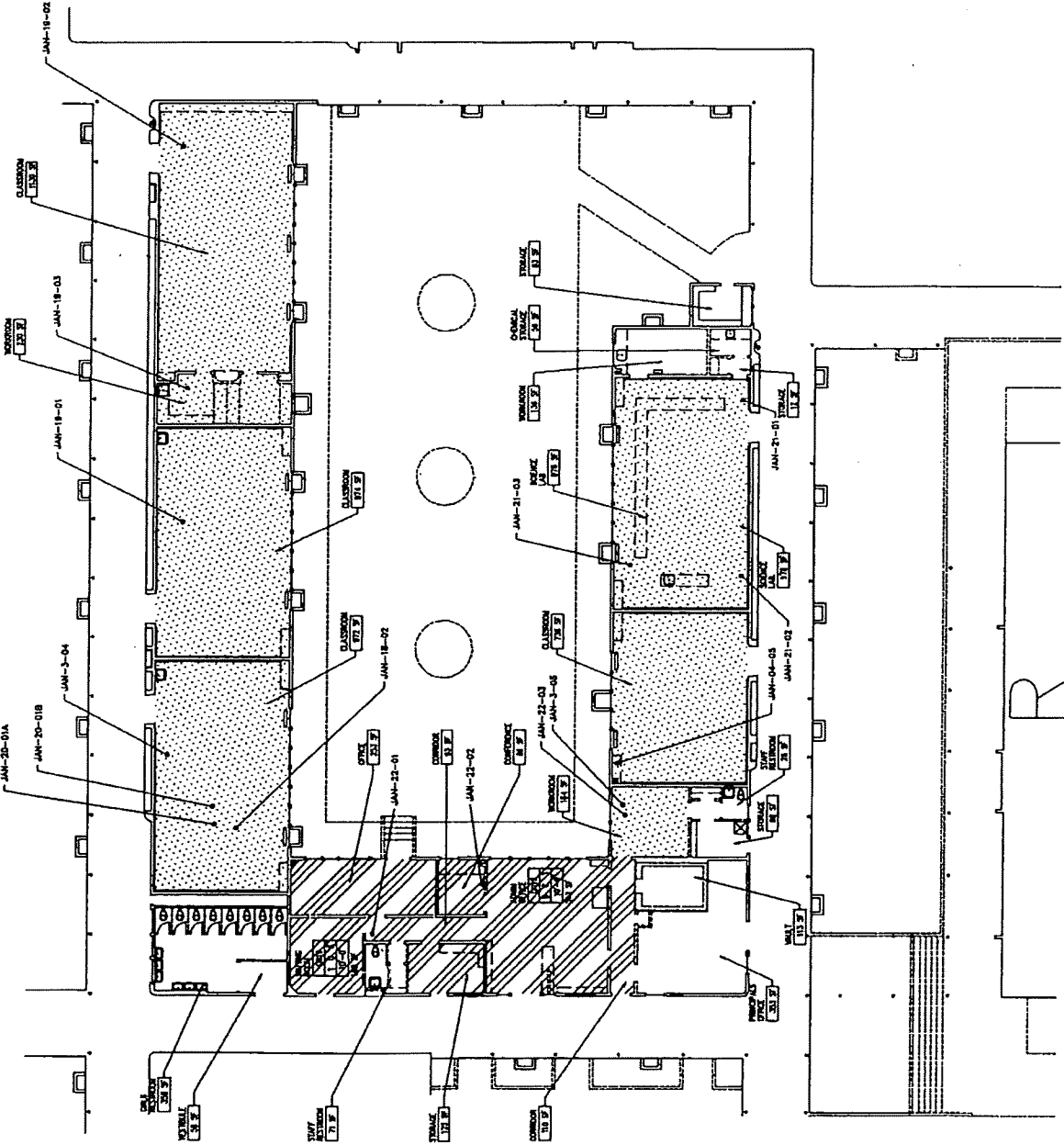
KEY PLAN

NOTES:

1. ASBESTOS CEMENT FLUES ARE LOCATED IN THE CLASSROOMS.
2. ASBESTOS CONTAINING WINDOW PUTTY LOCATED ON EXTERIOR WINDOW FRAMES.
3. ASBESTOS ASBESTOS CONTAINING CHALKBOARD LOCATED IN CLASSROOMS.

LEGEND

| | |
|---|--|
|  | ASBESTOS-CONTAINING ACOUSTICAL PLASTER CEILING |
|  | ASBESTOS-CONTAINING 12" x 12" FLOOR TILE AND MASTIC |



KOREA 2 Vermont Ave.
 Suite 100
 Tarrytown, CA 90532
 (818) 498-4620

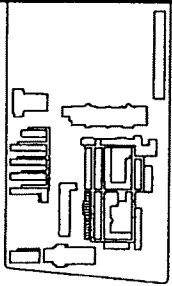
[illegible]

PROJECT NAME: JOHN ADAMS
MIDDLE SCHOOL
1000 S. 10TH ST. - SUITE 100
DENVER, COLORADO 80202

BUILDING S.
FLOOR PLAN

ENTRY TITLE

| | | | | |
|---------|--------|--------|----------|----------|
| 4101730 | ASB-13 | CARLOS | K. GATES | SEPT. 92 |
|---------|--------|--------|----------|----------|



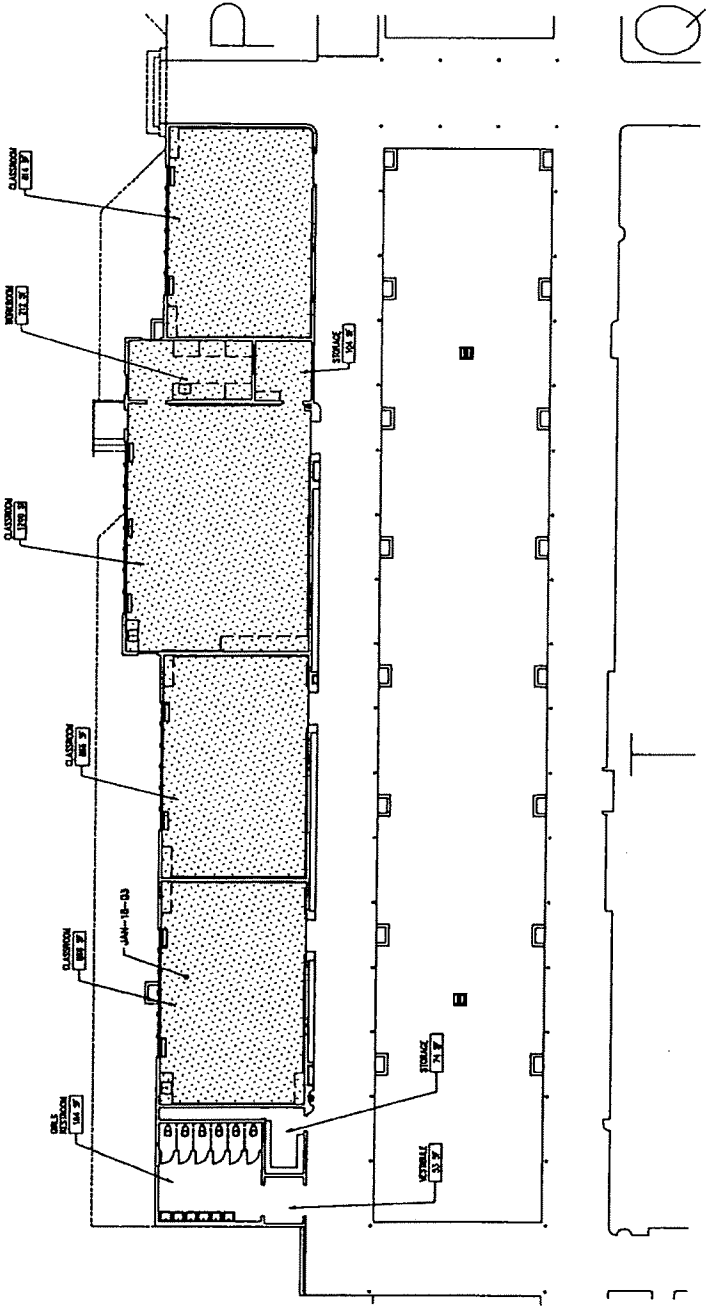

KEY PLAN

NOTES:

1. CEMENT ASBESTOS FLAKES LOCATED IN CLASSROOMS

LEGEND

ASBESTOS-CONTAINING CEMENT
WALL/COLUMNS AND JOINT COMPOUND



10000 N Vermont Ave.
Suite 200
Terraces, CA 90002
(213) 622-4888

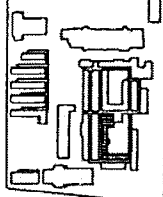
[illegible]

PROJECT NAME: JOHN ADAMS
MIDDLE SCHOOL
LAND, BENCH - BUILDING
SCHOOL, BENCH - BUILDING

SHEET TITLE
BUILDING Y
FLOOR PLAN

4101730

| | | |
|--------|--|----------|
| SSN-14 | CROSS WALKER JR K. GATES 1986 | SEPT. 81 |
|--------|--|----------|



KEY PLAN

- NOTE:
1. COINTEL ARRESTS PLACES LOCATED IN CLASSROOMS
2. ARRESTS CONTAINING WINDOW BUTTY LOCATED ON EXTERIOR WINDOW FRAMES
3. ASSAULT ARRESTS CONTAINING CHALKBOARDS LOCATED IN CLASSROOMS

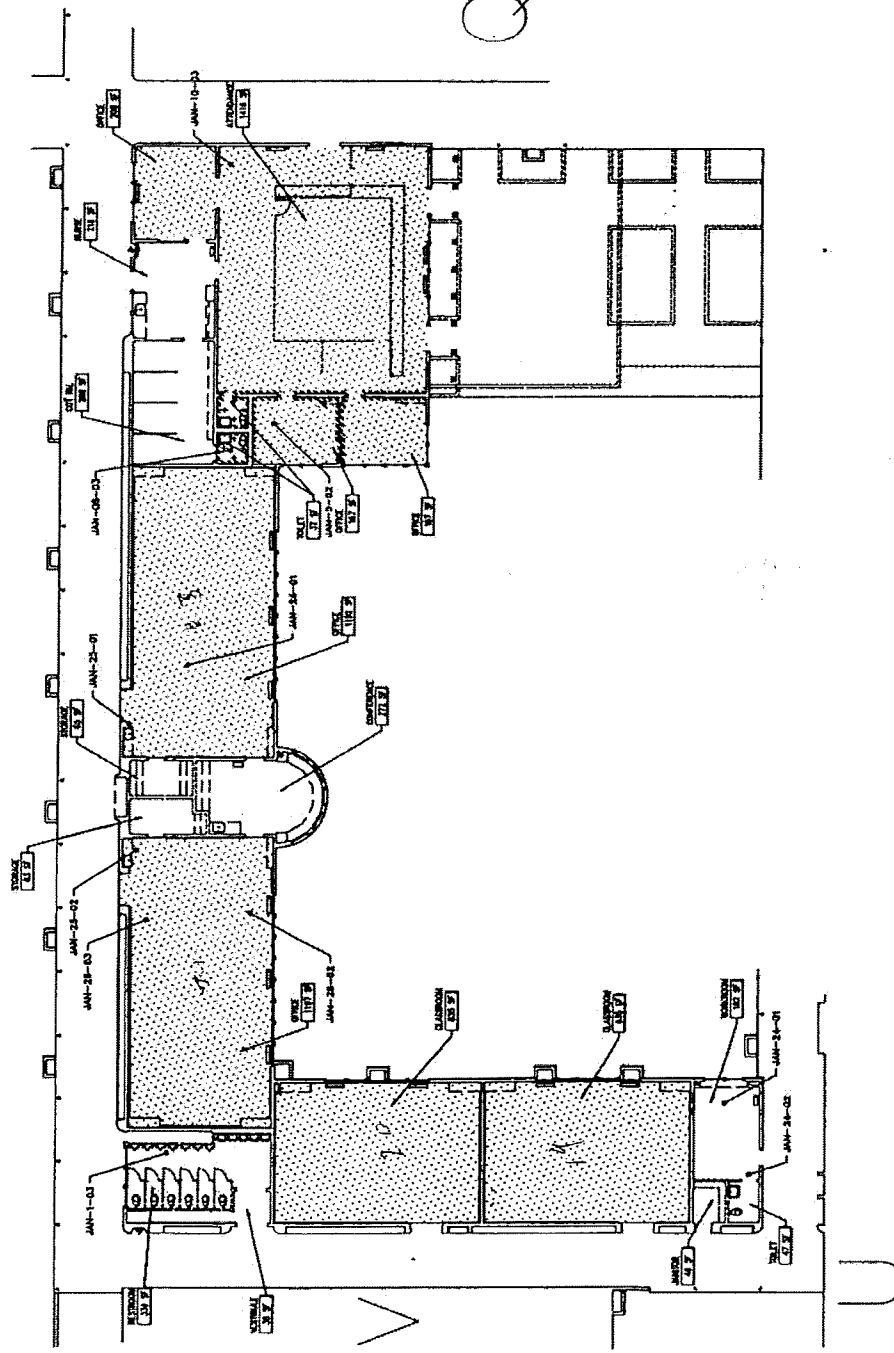
LEGEND



ASBESTOS-CONTAINING ACOUSTICAL
PLASTER CEILING

ADDITION--CONTAINING 0.5-GRAM
CAGE AND JOLLY COMPOUND

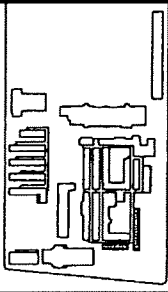
LIBRATIONS—CONTAINING CYRIL
PULASKI DRIVEWAYS AND JOINT COMPOUND



PROJECT
NORTH

BUILDING "T"

| | |
|-----------|---|
| 1/8-1'-0" | 1 |
|-----------|---|




KEY PLAN

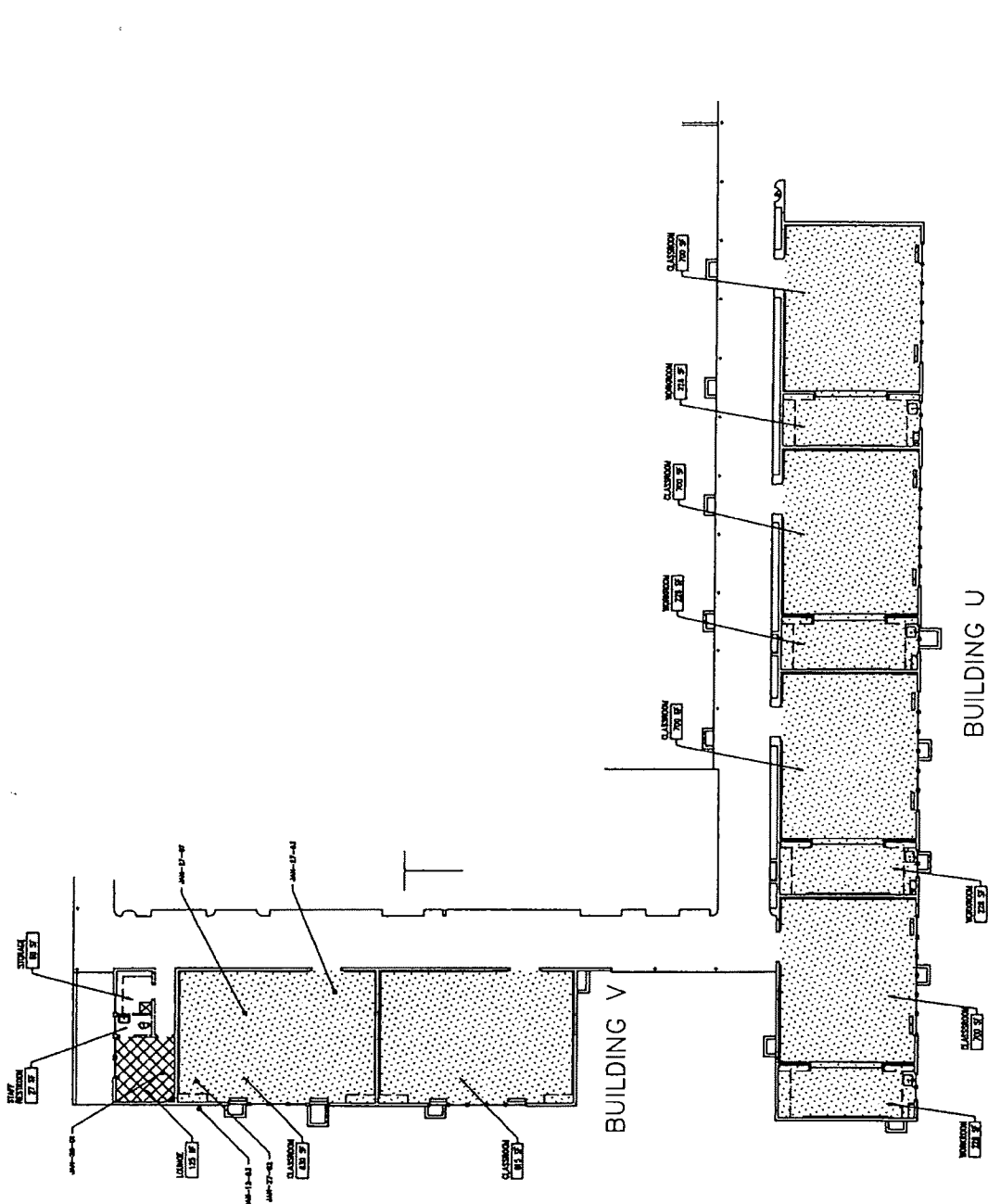
1. ASBESTOS CONTAINING WINDOW PUTTY LOCATED ON EXTERIOR WINDOW FRAMES.
2. ASSUMED ASBESTOS CONTAINING CHALKBOARDS LOCATED IN CLASSROOMS.
3. ASSUMED ASBESTOS CONTAINING CEMENT PLUMES LOCATED IN BUILDING.

LEGEND

ASBESTOS-CONTAINING ACOUSTICAL
PLASTER CEILING



ASBESTOS-CONTAINING 9" x 9"
FLOOR TILE AND MASTIC



BUILDING U

BUILDING V

TABLE 4.1

SUMMARY OF SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

| <u>SAMPLE NUMBER</u> | <u>MATERIAL DESCRIPTION/LOCATION</u> | <u>LABORATORY ANALYSIS RESULTS</u> |
|--------------------------|--|--|
| JAN-21-01 | 12"x 12" floor tile - brown w/white streaks and mastic/Building Q | 2% chrysotile (T) NAD (M) |
| JAN-21-02 | 12"x 12" floor tile - brown w/white streaks and mastic/Building Q | 2% chrysotile (T) NAD (M) |
| JAN-21-03 | 12"x 12" floor tile - brown w/white streaks and mastic/Building Q | 2% chrysotile (T) NAD (M) |
| JAN-22-01 | 12"x 12" floor tile - brown w/dk brown spots and mastic/Building Q | 2% chrysotile (T) NAD (M) |
| JAN-22-02 | 12"x 12" floor tile - brown w/dk brown spots and mastic/Building Q | 2% chrysotile (T) NAD (M) |
| JAN-22-03 | 12"x 12" floor tile - brown w/dk brown spots and mastic/Building Q | 2% chrysotile (T) NAD (M) |
| JAN-23-01 | Linoleum - marble pattern/Building S | NAD |
| JAN-23-02 | Linoleum - marble pattern/Building S | NAD |
| JAN-23-03 | Linoleum - marble pattern/Building S | NAD |
| JAN-24-01 | Linoleum - brown and mastic/Building T | NAD |
| JAN-24-02 | Linoleum - brown and mastic/Building T | NAD (T) NAD (M) |
| JAN-25-01 | Linoleum - grey specks/Building T | NAD |
| JAN-25-02 | Linoleum - grey specks/Building T | NAD |
| JAN-26-01 | 2'x 4' ceiling tile/Building T | NAD |
| JAN-26-02 | 2'x 4' ceiling tile/Building T | NAD |
| JAN-26-03 | 2'x 4' ceiling tile/Building T | NAD |
| JAN-27-01 | 2'x 4' ceiling tile - Building V | NAD |
| JAN-27-02 | 2'x 4' ceiling tile - Building V | NAD |
| JAN-27-03 | 2'x 4' ceiling tile - Building V | NAD |
| JAN-28-01 | 9"x 9" floor tile - beige and mastic/Building V | 5% chrysotile (T) NAD |
| JAR-01-01 | 9"x 9" floor tile - beige and mastic/Building R | 5% chrysotile (T) 3% chrysotile (M) |
| JAR-02-01 | 9"x 9" floor tile - grey and mastic/Building R | 5% chrysotile (T) 5% chrysotile (M) |
| JAR-03-01 | Gypsum board walls and clgs/joint compound/Building R | 2% chrysotile |
| JAR-03-02 | Gypsum board walls and clgs/joint compound/Building R | 2% chrysotile |
| JAR-03-03 | Gypsum board walls and clgs/joint compound/Building R | 2% chrysotile |
| JAR-04-01A | 1'x 1' ceiling tile - random peghole/Building R | NAD |
| JAR-04-01B | Mastic on 1'x 1' ceiling tile - random peghole/Building R | NAD |
| JAR-05-01 | Exterior stucco/Building R | NAD |

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ADAMS MIDDLE SCHOOL

TABLE 4.2

SUMMARY OF QUALITY CONTROL SUSPECT ASBESTOS-CONTAINING MATERIAL
BULK SAMPLE LABORATORY ANALYSIS RESULTS
JOHN ADAMS MIDDLE SCHOOL

| <u>SAMPLE NUMBER</u> | <u>MATERIAL DESCRIPTION</u> | <u>PRIMARY LABORATORY</u> | <u>QUALITY CONTROL</u> |
|--------------------------|--|---|--|
| QC-JAR-03-01 | Gypsum board walls and clgs/joint compound | 2% chrysotile | 1-2% chrysotile |
| QC-JAN-08-01 | 9"x 9" floor tile - beige w/white streaks and mastic | 5% chrysotile (T) 10% chrysotile (M) | 20% chrysotile (T) 15% chrysotile (M) |
| QC-JAN-04-01 | Acoustical plaster ceiling | 2% chrysotile | 3% chrysotile |
| QC-JAN-12-01 | Exterior stucco | NAD | NAD |
| QC-JAN-14-01 | Linoleum - beige marble pattern and mastic | NAD | NAD |
| QC-JAN-18-01 | Linoleum - dark green and mastic | NAD | NAD |
| QC-JAN-19-01 | 2'x 4' ceiling tile - random pinhole and fissure | NAD | NAD |
| QC-JAN-26-02 | 2'x 4' ceiling tile | NAD | NAD |
| QC-JAL-05-01 | 1'x 1' ceiling tile | NAD | NAD |
| QC-JAL-08-01 | Duct tape on HVAC system | NAD | NAD |
| QC-JAK-07-01A | 1'x 2' acoustical wall tile | NAD | NAD |
| QC-JAK-04-01 | Rough plaster walls and ceilings | NAD | NAD |
| QC-JAD-10-01 | Boiler flue insulation | 60% chrysotile | 50% chrysotile |
| QC-JAD-01-01 | Window putty | 2% chrysotile | 1-2% chrysotile |
| QC-JAB-10-01 | Hot water storage tank insulation | 3% chrysotile 25% amosite 20% crocidolite | 20% chrysotile 20% amosite 10% crocidolite |
| QC-JAB-15-01 | Pipe insulation (hard) | 35% chrysotile 15% crocidolite | 60% chrysotile |
| QC-JAB-05-01 | Rough plaster ceiling | NAD | NAD |
| QC-JAA-07-01 | Hard pipe fitting insulation | 20% chrysotile | 5% chrysotile |
| QC-JAA-06-01 | 9"x 9" floor tile - grey w/black streaks and mastic | 5% chrysotile (T) NAD (M) | 10% chrysotile |
| QC-JAC-12-01 | 9"x 9" floor tile - brown w/dark brown streaks and mastic | 5% chrysotile (T) 10% chrysotile (M) | 15% chrysotile |
| QC-JAC-07-01 | Acoustical plaster ceiling | 3% chrysotile | 3% chrysotile |

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ADAMS MIDDLE SCHOOL

