



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

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 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.

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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 Carban 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 peghole 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. Transit 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

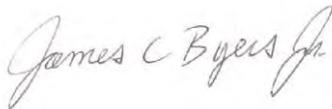
Submitted for and on behalf of Alta Environmental

Prepared by:

Reviewed by:

Alta Environmental

Alta Environmental



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

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	6,000 SF	No	No
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

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Black base felt	501-B28	None detected	Roof- southeast corner (walkway)	Roof - base under all layers of roof	3,600 SF	No	No
Black base felt	501-B29	None detected	Roof - northeast corner (parapet wall)				
Black base felt	501-B30	None detected	Roof- center				
White painted roof mastic	501-B31	None detected	Roof- southeast corner (walkway)	Roof- penetrations, pads, curb corners, patch work	80 SF	No	No
White painted roof mastic	501-B32	None detected	Roof - northeast corner (parapet wall)				
White painted roof mastic	501-B33	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 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				
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 peghole ceiling tile with mastic	0508-N6	None detected	Library, southwest corner	Throughout library	5,800 SF	Yes	No
1'x1' random peghole 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

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
Window putty	0508-N10	None detected	Exterior, west center window	Exterior windows	40 SF	No	No
Window putty	0508-N11	None detected	Exterior, southwest window				
Window putty	0508-N12	None detected	Exterior, south center window				
12"x12" fissured ceiling tile with mastic	0508-N13	None detected	Room 40A, north center	Room 40A, 40B, computer hallway	1,600 SF	Yes	No
12"x12" fissured ceiling tile with mastic	0508-N14	None detected	Room 40B, north center				
12"x12" fissured ceiling tile with mastic	0508-N15	None detected	Computer hallway, center				
Gray duct sealant	0508-N16	None detected	Mechanical room, center	Mechanical room	50 LF	No	No
Gray duct sealant	0508-N17	None detected	Mechanical room, north center				
Gray duct sealant	0508-N18	None detected	Mechanical room, south center				
Vibration Reducer	N/A	N/A	N/A	Mechanical room	10 SF	No	No

Note: no access to telephone room

**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 peghole 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 peghole ceiling tile with mastic	R-1	None detected	West HVAC closet room 18				
1'x1' random peghole 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

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
White rolled on roof parapet wall	S-16	None detected	Roof, southeast	Roof parapet wall	900 SF	No	No
White rolled on roof parapet wall	S-17	None detected	Roof, south center				
White rolled on roof parapet wall	S-18	None detected	Roof, north center				
White penetration roof mastic	S-19	None detected	Roof, northeast	Roof penetrations, pads, patches, curb corners	100 SF	No	No
White penetration roof mastic	S-20	None detected	Roof, center				
White penetration roof mastic	S-21	None detected	Roof, northwest				
Roofing debris	S-22	None detected	Janitor's closet, at hatch	Assumed in ceiling spaces throughout; observed at west hatch inside janitor's closet	4,500 SF	No	No
Roofing debris	S-23	None detected	Janitor's closet, at hatch				
Roofing debris	S-24	None detected	Janitor's closet, at hatch				
Note: only walls (interior/exterior), ceilings, ceiling spaces, roof was reinspected							
Note: Materials, quantities, locations listed on CTL survey remain the same. These samples were supplemented.							

**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	Exterior walls under stucco	7,000 SF	No	No
Stucco	T-5	None detected	Exterior-North east				
Barrier Paper	T-6	None detected	Exterior- North east				
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

Material	Sample No.	Asbestos Content	Sample Location	Material Location	Approx. Qty.	Friable	Damage
2'x4' smooth ceiling panel	U-16	None detected	Community liaison - center	Community liaison, nurses station	700 SF	Yes	No
2'x4' smooth ceiling panel	U-17	None detected	Nurses station - center				
2'x4' smooth ceiling panel	U-18	None detected	Nurses station - southwest center				
Stucco	U-19	None detected	Exterior west addition - northeast	Exterior west addition	3,000 SF	No	No
Stucco	U-20	None detected	Exterior west addition - southeast				
Stucco	U-21	None detected	Exterior west addition - northwest				
Stucco	U-22	None detected	Exterior west addition - south center				
Stucco	U-23	None detected	Exterior west addition - southwest				
Note: windows are new vinyl frame with silicon/rubber seals							
Note: Corrugated metal ceiling in the attendance office and principals office is not suspect material							

**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

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

Report Number 1831131

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	



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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	(%)
1831131-007 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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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	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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Location
PO Number
WO Number

Report Number 1831131

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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	(%)
1831131-024 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



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

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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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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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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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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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Signal Hill, CA 90755
Toll: 888-207-2022
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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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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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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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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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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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Project Name JAMS HVAC/Fire Alarm Project
Location
PO Number
WO Number

Report Number 1831131

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	(%)
1831131-086 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



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

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 Long Beach CA 90807
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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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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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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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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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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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Signal Hill, CA 90755
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Fax: 562-206-2773

Alta Environmental
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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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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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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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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



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

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

Report Number 1831131

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	(%)
1831131-148 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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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	(%)
1831131-154 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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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	(%)
1831131-160 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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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	(%)
1831131-166 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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Report Number 1831131

Date Received 05/04/2018
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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	(%)
1831131-172 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.

Cristina Tabatt
Analyst - Cristina Tabatt

Cristina Tabatt
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. 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: <u>FR</u>

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	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(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: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: 5-4-18	Date/Time: 5/4/18 1050

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: 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)
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: <u>5-4-18</u>	Date/Time: <u>5/4/18 1050</u>

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1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
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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	Grey Duct Sealant T				-----	
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: SMSD-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: <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:	SMSD-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	↓	<div style="font-size: 4em; font-family: cursive;">}</div>	<div style="font-size: 4em; font-family: cursive;">}</div>	-----		
03	1"x1" Peephole c.T. w/ glue			-----		
04	↓			-----		
05	Duct Seal ↓			-----		
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	(Passport window)			-----		
16	↓			-----		
17	↓ ↓			-----		
18	white painted rock			-----		
19	Master			-----		
20	↓			-----		
21	4" o.p. white T.S.T.			-----		

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

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562-206-2773 Fax
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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)
T-1	JTCup	Build 7				
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 Sealant					
T-16	↓					
T-17	12in Fibred Wall/ ceiling tile w/ Glue					
T-18	↓					
T-19	↓					

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

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562-206-2773 Fax
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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)
T-20	Button Board	Build T				
21						
22						
23	Acoustical wall plaster					
24						
25						
26	Black Barrier Paper					
27						
28						
29	2x4' Smooth Ceiling Panel					
30						
31						
32	Light weight concrete					
33						
34						
35	Window Ditty					
36						
37						

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



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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

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

Location
PO Number
WO Number Ref. PLM #1831131

Report Number 1831190

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

Date Sampled 05/04/2018
Sampled By F.R.
Total Samples 4

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	(%)
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





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

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

Report Number 1831148

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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	(%)
1831148-001 501-01	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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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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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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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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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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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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 Signal Hill, CA 90755
 Toll: 888-207-2022
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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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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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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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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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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



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

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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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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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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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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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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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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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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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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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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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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



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

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

Report Number 1831148

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	(%)
1831148-116 501-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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Date Sampled 05/01/2018
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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	(%)
1831148-122 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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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	(%)
1831148-128 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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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	(%)
1831148-134 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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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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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	(%)
-----------------------------	--------------------------------	----------------------	----------------------------	-----	------------------	-----

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.

Cristina E. Tabatt
 Analyst - Cristina Tabatt

Cristina E. Tabatt
 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. 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: <u>JAMS HVAC/Fire Alarm Project</u>	PO Number: _____
Project Number: <u>SM5D-18-7674</u>	Work Order No.: _____
Location: _____	Sampled By: <u>FR</u>

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"/> Paint <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Wipe <input type="checkbox"/> Soil <input type="checkbox"/>	TTLC <input type="checkbox"/> STLC <input type="checkbox"/> TCLP <input type="checkbox"/>
--	---	--	---	---

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Avg	Volume (L)	
				Stop Time	Flow Rate		
501-01	Drywall Mud	Bldg 6	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>

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SMSD-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 ^{Panel}			-----	
20		↓			-----	
21					-----	
22	white painted ^{Rolled} Roof				-----	
23	↓			-----		
24				-----		
25		Brown Insulation			-----	
26		↓			-----	
27				-----		
28	Black Base Felt				-----	
29	↓			-----		
30				-----		

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Date/Time: <u>5-03-18</u>	Date/Time: <u>5/3/18 13:00</u>

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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SMSD-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} Mastic	Bldg E	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	↓	↓				

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

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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	^{Barricade} Brown Paper					
B17	(F) ↓					
B18	↓	↓	↓			
B19	Grey Cement Panel					
B20	↓	↓	↓			

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Date/Time: <u>5-3-18</u>	Date/Time: <u>5/3/18 13:00</u>

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SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
501-B22	White Painted Roof Core	Building E	5-1-18	-----		
B23	↓			-----		
B24	↓			-----		
B25	Brown Insulation			-----		
B26	↓			-----		
B27	↓			-----		
B28	Black Base Felt			-----		
B29	↓			-----		
B30	↓			-----		
B31	White Painted Roof Mastic			-----		
B32	↓			-----		
B33	↓			-----		

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SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time	Stop Time	Avg Flow Rate	Volume (L)
L-01	2'x4' Fiberglass Ceiling Panel	Bldg L	5-01-18				
02	↓						
03	white duct sealant						
04	↓						
05	1'x1' Ceiling tile (Peghole)						
06	↓						
07	Barrier Paper						
08	↓						
09	Rough Textured Plaster						
10	↓						
11	↓						
12	Gravel Coated Roof Layer						
13	↓						
14	↓						
15	Base felt						
16	↓						
17	↓						
18	White sheet roofing						
19	↓						
20	↓						
21	Gray Mastec						
22	↓						
23	↓						
24	Black/white/gray						
25	↓						
26	↓						

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>



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 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

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	(%)
1831166-001 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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 Signal Hill, CA 90755
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 Fax: 562-206-2773

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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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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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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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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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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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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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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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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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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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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



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. 1831166

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

PROJECT INFORMATION	
Project Name: <u>SAMS - Bldg U</u>	PO Number: _____
Project Number: <u>SMSD-18-7674</u>	Work Order No.: _____
Location: _____	Sampled By: <u>F. Ruvic/cab</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	Volume (L)
				Stop Time	Flow Rate	
<u>U-1</u>	<u>Barrier Paper</u>	<u>Bldg U</u>				
<u>2</u>	<u>↓</u>					
<u>3</u>	<u>↓</u>					
<u>4</u>	<u>Sand Plaster</u>					
<u>5</u>	<u>+</u>					
<u>6</u>	<u>2x4 Fissured C.P.</u>					
<u>7</u>	<u>↓</u>					
<u>8</u>	<u>Gray Dust Sediment</u>					
<u>9</u>	<u>↓</u>					
<u>10</u>	<u>↓</u>					

Relinquished By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: <u>05-08-18 2:00 PM</u>	Date/Time: <u>5/8/18 14:00</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: JAMS HVAC/Fire Alarm Project

Project Name: SMSD-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	Jct. 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: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: <u>5-08-18</u>	Date/Time: <u>5/8/18 14:00</u>

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Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
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Company: Alta Environmental

Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SMSD-18-7674

Analysis:

TAT:

(Lab) Order No. 183166

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
Q-6	1x1" Pordon Air 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:	Received By:
Date/Time: 05-08-18	Date/Time: 5/8/18 14:00

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Project Number: JAMS HVAC/Fire Alarm Project

Project Name: SMSD-18-7674

Analysis:

TAT:

(Lab) Order No. 1831166

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
V-1	Duct Sealant	Bldg V	5-4-18	-----		
2	I			-----		
3	Barrier Paper			-----		
4	I			-----		
5	I			-----		
6	12x12' fissured C.T. V/Glue			-----		
7	I			-----		
8	I			-----		

Relinquished By:	Received By:
Date/Time: 05-8-18	Date/Time: 5/8/18 14:00



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

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	(%)
1831156-001 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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 Signal Hill, CA 90755
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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



1508 East 33rd Street
Signal Hill, CA 90755
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3777 Long Beach Blvd.
Long Beach CA 90807
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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	(%)
1831156-014 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



1508 East 33rd Street
 Signal Hill, CA 90755
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 3777 Long Beach Blvd.
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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	(%)
1831156-020 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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 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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 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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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



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

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	(%)
1831156-044 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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Report Number 1831156

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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	(%)
1831156-051 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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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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 Signal Hill, CA 90755
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 Long Beach CA 90807
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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	(%)
1831156-062 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



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

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 3777 Long Beach Blvd.
 Long Beach CA 90807
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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	(%)
1831156-068 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



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

Project Number SMSD-18-7674
Project Name JAMS
Location Santa Monica
PO Number
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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	(%)
1831156-076 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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Date Sampled 05/04/2018
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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	(%)
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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.

Cristina Tabatt
 Analyst - Cristina Tabatt

Cristina Tabatt
 Approved Signatory Cristina E. Tabatt



CHAIN OF CUSTODY



1000 E. 30th Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(Lab) Order No. 1831156

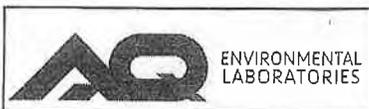
CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	Alta Environmental	Same Day <input type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	3777 Long Beach Boulevard	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	Email <input type="checkbox"/>
City/State/Zip	Long Beach, CA 90807	2 Day <input checked="" type="checkbox"/>	USPS <input type="checkbox"/>	Fax <input type="checkbox"/>
Contact	BSC Group@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
Project Number:	SMSD-18-7674
Location:	Santa Monica
PO Number:	
Work Order No.:	
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"/>
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SAMPLE ID	SAMPLE TYPE	LOCATION	Date	Start Time	Avg	Volume
			Sampled	Stop Time	Flow Rate	(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: <i>JR</i>	Received By: <i>OmniPro</i>
Date/Time: 5/4/18 2200	Date/Time: 5/8/18 08:00



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: 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 collect 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: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: <u>5/7/18 2200</u>	Date/Time: <u>5/8/18 08:00</u>
Relinquished By:	Received By:
Date/Time:	Date/Time:



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Signal Hill, CA 90755
Toll: 888-207-2022
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Fax: 562-206-2773

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Long Beach CA 90807
Attn.: David Schack

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	(%)
1831134-001 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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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



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

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	(%)
1831134-013 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



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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	(%)
1831134-019 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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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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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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3777 Long Beach Blvd.
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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	(%)
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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Location Santa Monica, CA
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Report Number 1831134

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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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Date Received 05/04/2018
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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	(%)
1831134-049 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



CHAIN OF CUSTODY



1000 E. 30th Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(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	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: <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	Start Time	Avg	Volume	
			Sampled	Stop Time	Flow Rate	(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		Bldg I Roof				

Relinquished By: <u>Jorge Robles</u>	Received By: <u>Juan Pizarro</u>
Date/Time: <u>5/3/18 2200</u>	Date/Time: <u>5/4/18 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:	SKSD-18-7674
Project Name:	JAMS

(Lab) Order No.	1831134
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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: <i>[Signature]</i>
Date/Time: 5/3/18 2200	Date/Time: 5/4/18 08:00



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Project Number SMSD-18-7674
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Location Santa Monica
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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	(%)
1831185-001 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



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

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	(%)
1831185-007 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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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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Project Name JAMS
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Date Sampled 05/09/2018
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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	(%)
1831185-018 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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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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Fax: 562-206-2773

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3777 Long Beach Blvd.
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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	(%)
1831185-030 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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 Signal Hill, CA 90755
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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	(%)
1831185-036 0508-N19	Bldg N (Library) Rough plaster, Beige, Homogeneous	LAYER 1			None Detected	
		100%	Gypsum	40%		
			Quartz	45%		
			Other Non-Fibrous Material	15%		
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			None Detected	
		100%	Quartz	45%		
			Gypsum	40%		
			Other Non-Fibrous Material	15%		
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



CHAIN OF CUSTODY



1000 E. 30th Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

(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	<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>
Project Number:	<u>SM50-18-7674</u>
Location:	<u>Santa Monica</u>
PO Number:	
Work Order No.:	
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	Start Time	Avg	Volume (L)
			Sampled	Stop Time	Flow Rate	
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: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: <u>5/9/18 09:16</u>	Date/Time: <u>5/9/18 09:16</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: SMSO-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: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: <u>5/9/18 09:16</u>	Date/Time: <u>5/9/18 09:16</u>
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Signal Hill, CA 90755
Toll: 888-207-2022
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3777 Long Beach Blvd.
Long Beach CA 90807
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Project Number SMSD-18-7674
Project Name JAMS HVAC/Fire Alarm Project
Location
PO Number
WO Number

Report Number 1831186

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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 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



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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	(%)
1831186-014 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.

Cristina Tabatt

Analyst - Cristina Tabatt

Cristina E. 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: <i>* PC = Paint chip samples only</i>		
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: <i>F. Ruch</i>

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

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

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:	SMSD-18-7674

Analysis:

TAT: (PLM) (PB)

(Lab) Order No. 1831186/1831187

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
R-11	Barrier paper	Building R	5-8-18	-----		
*PC-R-1	Dry wall (white)					
*PC-R-2	Stucco (white)					
*PC-R-3	Metal (green)					
*PC-N1	wall drywall white	Bldg N	5-8-18	-----		
N2	wall plaster white					
N3	wall stucco white					
N4	flooring Metal Green					
N5	window core wood white					

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>
Date/Time: 5-9-18 / 5/9/18 0916	Date/Time: 5/9/18 09-16

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

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Wall	PC-A1	Wood	White	Room 93 - south center	Interior walls throughout	170	No	N/A
Wall	PC-A2	Plaster	Yellow	Janitor closet - southwest	Heater closet, janitors, closet	440	No	N/A
Wall	PC-A3	Plaster	White	Room 96A - northeast	Interior walls, sections of ceiling	3,100	No	N/A
Wall	PC-A4	Drywall	White	Room 99 - north center	Interior walls, sections of ceiling	54	No	N/A
Wall	PC-A5	Stucco	White	Exterior - northeast	Exterior	240	No	N/A
Window case	PC-A6	Metal	White	Exterior - west center	Exterior also interior	1,200	No	N/A
Note: doors/casings, floors, ceramic were not inspected								
Note: only walls (interiors/exteriors, windows, flashing)								

**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

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Wall	PC-S1	Plaster	White	Room 50 - northeast	Wall and ceilings in restrooms, rooms 50-53, 52A, mechanical room	910	No	N/A
Wall	PC-S2	Drywall	White	Room 53 at entry	walls in rooms 50-53, 52A, heater closets	<47	No	N/A
Wall	PC-S3	Stucco	White	Exterior north center	Exterior	<48	No	N/A
Flashing	PC-S4	Metal	Green	Exterior southeast	Exterior	510	No	N/A
Window	PC-S5	Wood	White	At room 52A south center	Exterior (interior and exterior on original wood windows)	1,100	No	N/A
Note: door and casing, not in scope of work, ceramic not inspected								
Note: door and casing, not in scope of work, ceramic not inspected								

**MATERIAL INVENTORY
LEAD PAINT CHIP SAMPLES**

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

Building T

Component	Sample No.	Substrate	Paint Color	Sample Location	Material Location	Results (PPM)	Damage	Approx. Damage Qty.
Wall	PC-T1	Drywall	White	Room 21 - southeast wall	All rooms patch work, interior walls and ceilings, T04, mechanical room heater closet spaces, T03, janitor's office, community liaison	<49	No	N/A
Wall	PC-T2	Plaster	White	Room 21 south wall center	Room 20,21, 23, 22A, T102, T103, T10, Room 30, 30A, 30B, 31, 31A, T04, T03, janitor's office, community liaison	2,400	No	N/A
Wall	PC-T3	Stucco	White	Northwest exterior corner	Exterior (wall)	790	No	N/A
Flashing	PC-T4	Metal	Green	North center exterior	Exterior (wall)	10,000	No	N/A
Window casing	PC-T5	Wood	White	Room 21 - east wall	Interior/exterior	4,200	No	N/A
Window casing	PC-T6	Wood	Green	Room 30 - north wall	Interior/exterior	22,000	No	N/A

Note: new vinyl windows

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

**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 PlasterWhite - 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. Taba

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: <u>SMSD-18-7674</u>	Work Order No.: _____
Location: _____	Sampled By: <u>F. P. ...</u>

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	Avg	Volume (L)
				Stop Time	Flow Rate	
PC-S1	wall plaster white	Bldg S	5-2-18	-----		
S2	wall Drywall white	↓		-----		
S3	wall stucco white			-----		
S4	flashing 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	flashing Metal Green			-----		

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>

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:	SMSD-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 fluter white	Bldg B	5-2-18	-----		
B2	↓ ↓ white	↓		-----		
B3	wall Drywall white			-----		
B4	window wood white			-----		
B5	wall stucco white			-----		
B6	flooring Metal Green			-----		
PC-H1	wall Drywall white		Bldg H		-----	
H2	wall stucco white	↓		-----		
H3	window case Metal white			-----		
H4	flooring Metal Green			-----		
PC-T1	wall Drywall white		Bldg T	5-3-18	-----	
T2	wall fluter white	↓		-----		
T3	wall stucco white			-----		
T4	flooring Metal Green			-----		
T5	window case wood white			-----		
T6	↓ ↓ Green			-----		

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



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 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.

CA ELAP Cert #2823


 Approved Signatory- Cristina E. Taba

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562-206-2773 Fax
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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>SMSD-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>

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Company:	Alta Environmental
Project Number:	JAMS HVAC/Fire Alarm Project
Project Name:	SMSD-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	flashing Metal white			-----		
15	wind-core Metal Gray			-----		
16				-----		
PC-L1	wall Drywall white	Bldg L	5-01-18	-----		
L2	wind-core Metal white			-----		
L3	Beam Metal white			-----		
L4	Deck Metal white			-----		
L5	wall stucco white			-----		
L6	wind-core Metal Green			-----		
L7	flashing Metal Green			-----		

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



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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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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.

CA ELAP Cert #2823

Approved Signatory- Cristina E. Tabatt

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Signal Hill, CA 90755
562-206-2770 Tel
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	<u>Betsy O. Slack</u>	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: <u>... come</u>		
Email	<u>BOS. Group. Index @ Alta envlab.com</u>			

PROJECT INFORMATION	
Project Name:	<u>JAVIS - Bldg U</u>
Project Number:	<u>5-150-18-7674</u>
Location:	
PO Number:	
Work Order No.:	
Sampled By:	<u>F. Puvolcaba</u>

PLM PLM EPA 600/R-93/116 <input checked="" type="checkbox"/> P/A 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 checked="" 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)
PC-U1	wall plaster white	Bldg U	5-7-18	-----		
U2	wall Drywall white	↓	↓	-----		
U3	wall stucco white	↓	↓	-----		
U4	Flooring 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	Flooring Metal Green	↓	↓	-----		
Q5	Window Core wood white.	↓	↓	-----		

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



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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/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

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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: <i>* PC = Paint chip samples only</i>		
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: <i>F. Ruck</i>

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

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

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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:	SMSD-18-7674

Analysis:

TAT: (PLM) (PB)

(Lab) Order No. 1831186/1831187

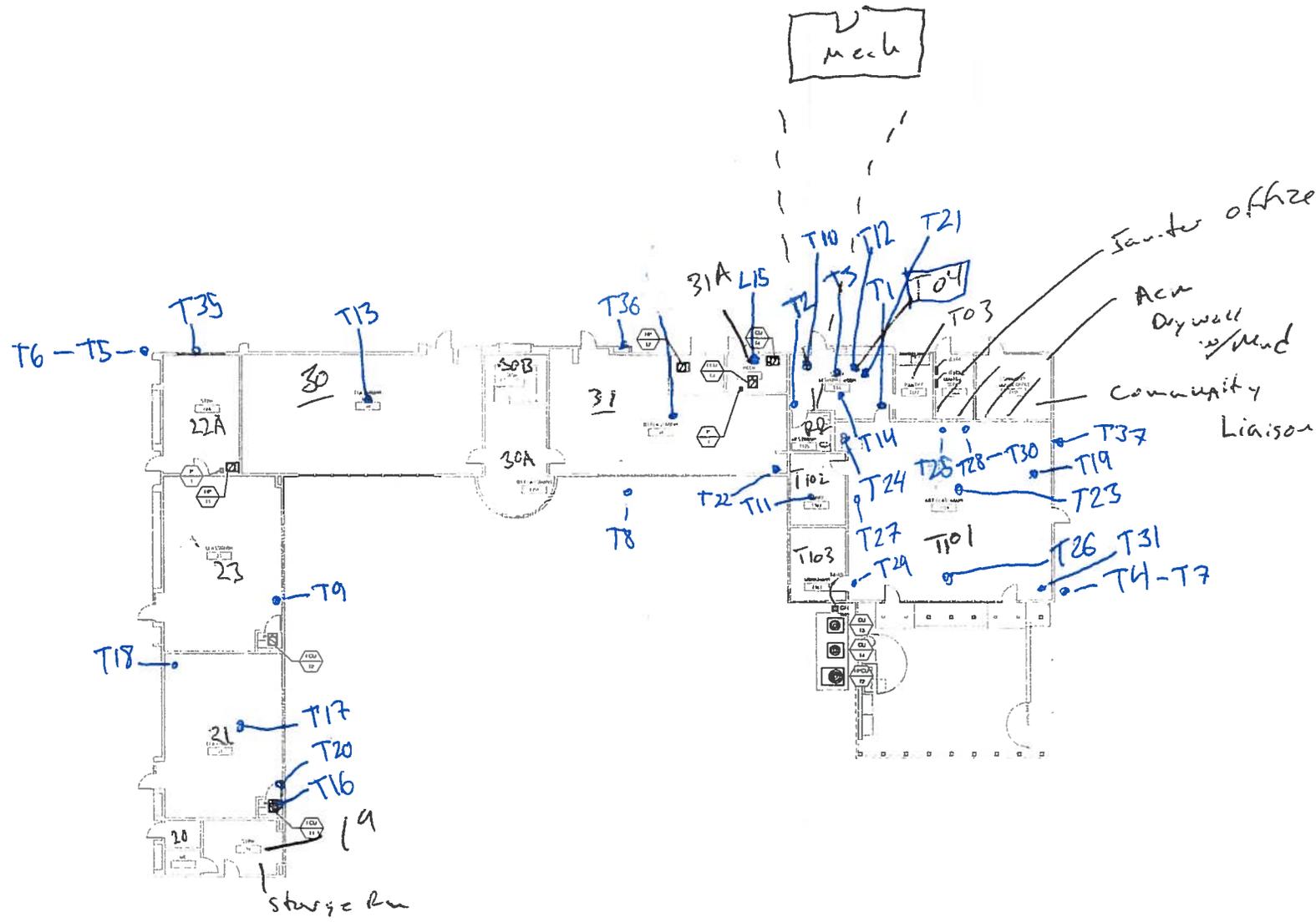
SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
R-11	Barrier paper	Building R	5-8-18	-----		
*PC-R-1	Dry wall (white)					
*PC-R-2	Stucco (white)					
*PC-R-3	Metal (green)					
*PC-N1	wall drywall white	Bldg N	5-8-18	-----		
N2	wall plaster white					
N3	wall stucco white					
N4	flooring Metal Green					
N5	window core wood white					

Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>
Date/Time: 5-9-18 / 5/9/18 0916	Date/Time: 5/9/18 09-16

Appendix E

Sample Location Drawings: Asbestos and Lead

GENERAL NOTES
 1. SEE ALL NOTES ON DRAWINGS FOR CONTRACTOR CONNECTIONS
 2. FOR ALL WORK, VERIFY EXISTING CONDITIONS BEFORE BEGINNING WORK
 3. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES



1 ELECTRICAL PLAN - BUILDING T
 1/8" = 1'-0"

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR. 19. 04. 11. 08. 08
 AC. PLS. 08
 DATE FILE NO. 1991

SANTA MONICA MIDDLE SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 1411 17TH STREET SANTA MONICA, CA 90404

JUAN NAC ARCHITECTURE
 1. Architects
 SANTA MONICA, CALIFORNIA
 1411 17TH STREET SANTA MONICA, CA 90404
 TEL: 310.314.1111 FAX: 310.314.1112
 WWW.JUANARCHITECTURE.COM

19-01
 MU
 CM
 12-28-2017

E201T



ALTA
ENVIRONMENTAL

Sheet ____ of ____

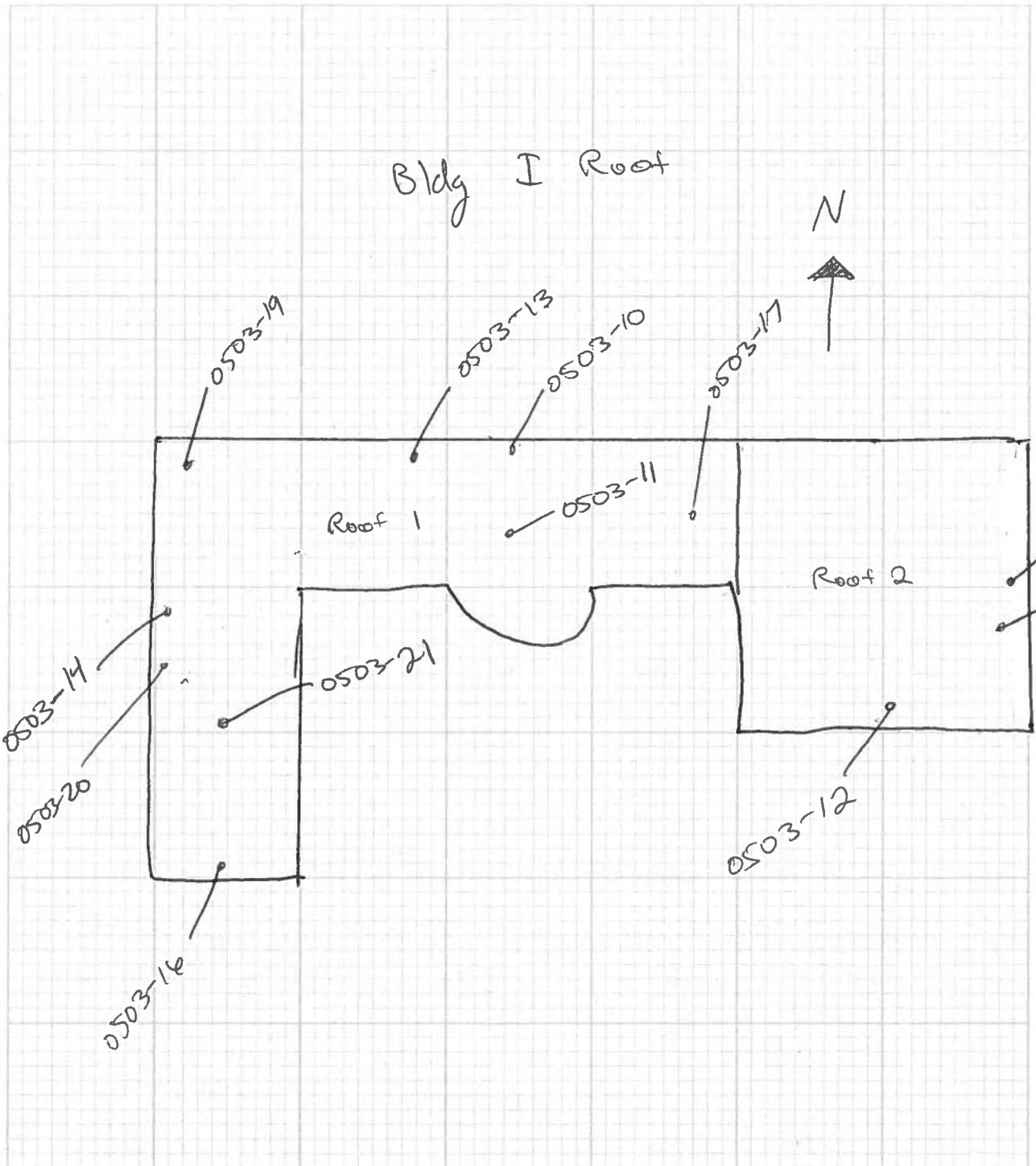
Project Name _____

Project No./Task No. _____

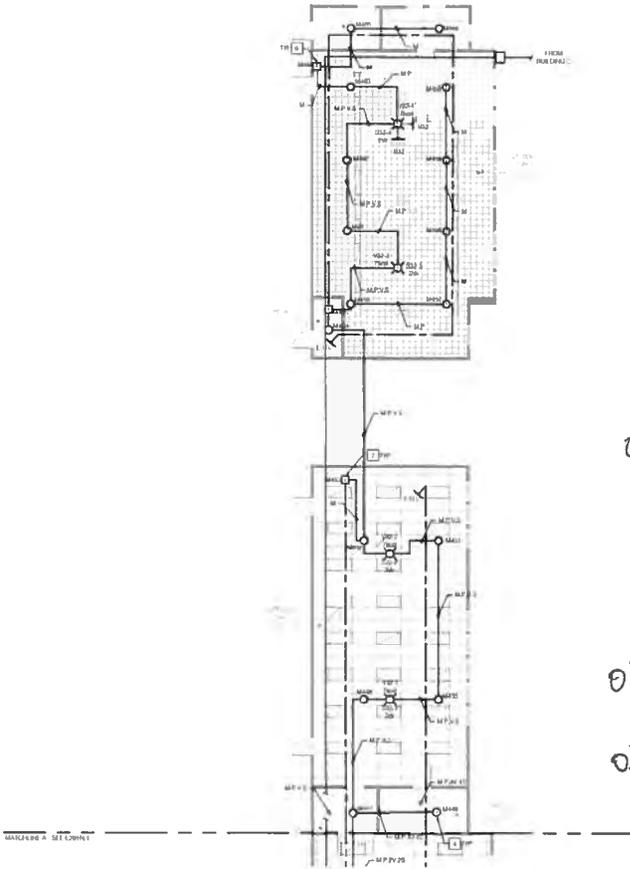
Calculated by _____ Date _____

Checked by _____ Date _____

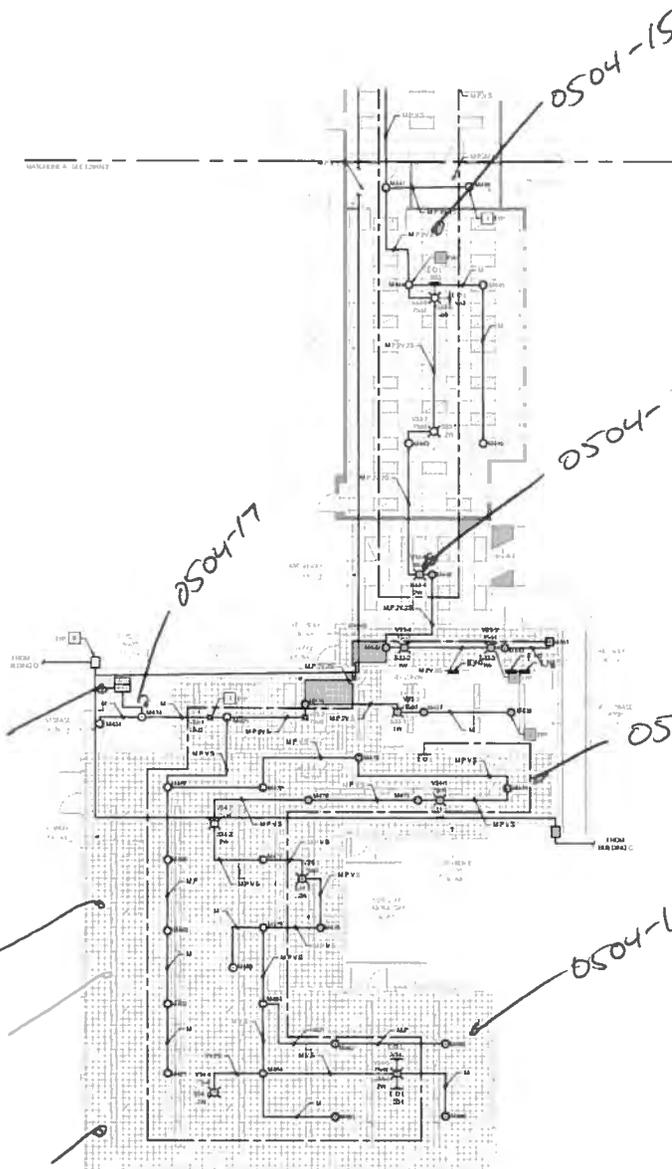
Scale _____



Roof



2 FIRE ALARM PLAN - BLDG N & STUDENT COUNCIL



1 FIRE ALARM PLAN - BUILDING N

0504-11

0504-13

0504-16

0504-10

0504-17

0504-12

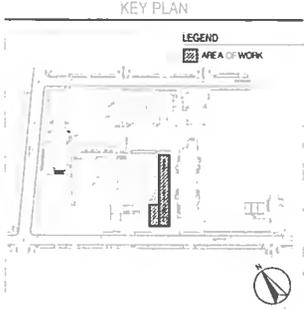
0504-14

0504-18

0504-15

- GENERAL NOTES
- REFER TO DEVICE SCHEDULE FOR MORE INFORMATION
 - CONSTRUCTION SHALL VERIFY ALL ATTACHED SPACES TO BE A COMPLIANT BUILDING SPACE REGARDLESS OF EXISTING FIELD CONDITIONS. PROVIDE CORRECTIVE MEASURES TO BE COMPLETED PRIOR TO COMMENCEMENT OF ALL AUTOMATICALLY INITIATED CONSTRUCTION
 - VERIFY ALL ELECTRICAL WORK IS INSTALLED IN ACCORDANCE WITH ALL LOCAL AND STATE CODES AND REGULATIONS. PROVIDE APPROPRIATELY SIZED AND APPROVED EQUIPMENT

- NOTES
- PROVIDE SCHEDULE TO ALL WORK
 - PROVIDE SCHEDULE TO ALL WORK



DSA SUBMITTAL

P2S Inc.
Professional Services
10000 Santa Monica Blvd, Suite 100
Santa Monica, CA 90404
Tel: 310.310.0000
Fax: 310.310.0001
www.p2sinc.com

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. NO. 15-01855
AC. FLA. 05
DATE: FILE NO. 15-01

SANTA MONICA MIDDLE SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
2ND 10TH STREET SANTA MONICA, CA 90404

JULIAN V. NANCY ARCHITECTURE
10000 Santa Monica Blvd, Suite 100
Santa Monica, CA 90404
Tel: 310.310.0000
Fax: 310.310.0001
www.jvanncyc.com

FILE NO. 15-01855
DATE: 12-28-2017
BUILDING N
FIRE ALARM PLAN

FA201N

GENERAL NOTES
 1. REFER TO ALL DRAWINGS, ELECTRICAL CODES FROM
 NATIONAL ELECTRICAL CODE (NEC) AND ALL OTHER
 RELEVANT CODES.

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. NO. 05-11008
 FILE NO. 19-01
 DATE

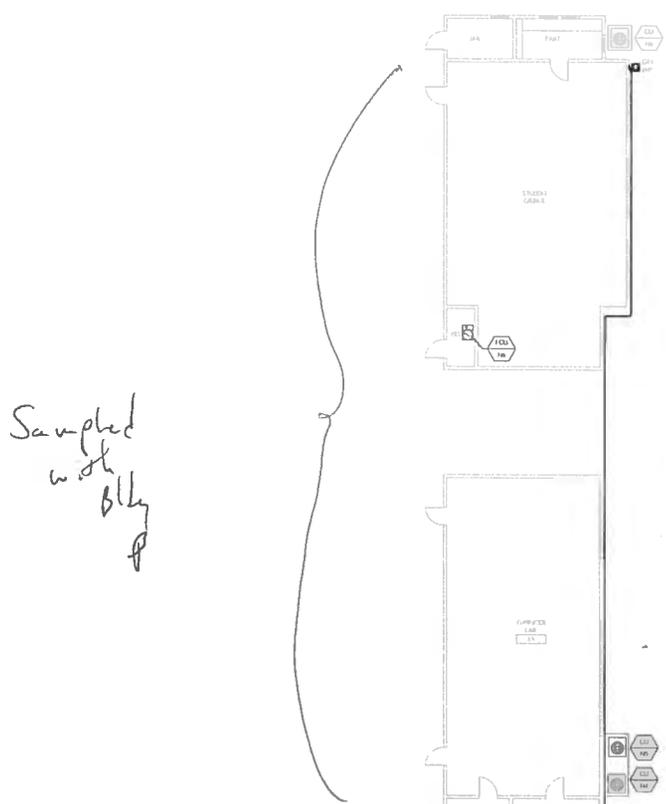
SANTA MONICA VALLEY SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 323 151ST STREET SANTA MONICA, CA 90401



J. BARRY NAC ARCHITECTURE
 5142 PACIFIC AVENUE
 SANTA MONICA, CALIFORNIA 90401

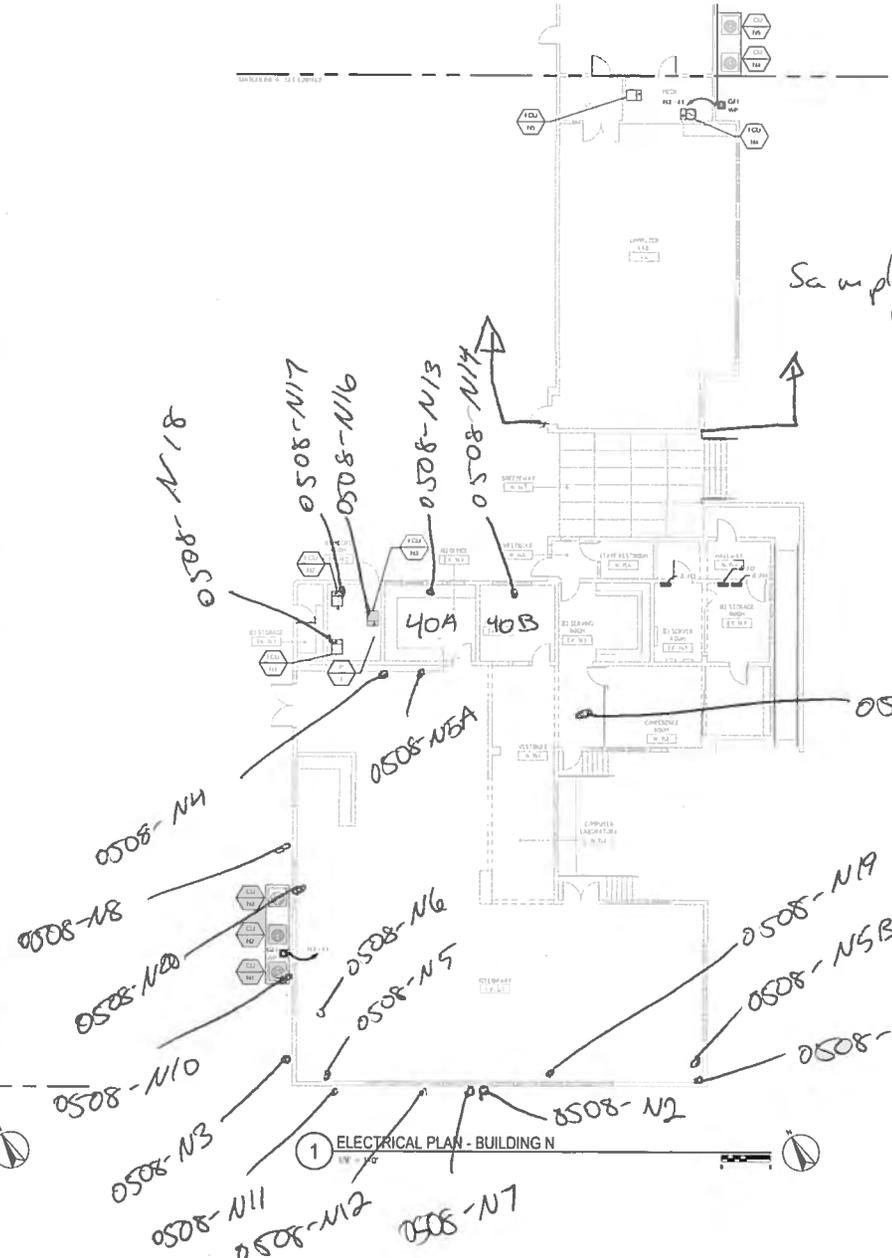
151-17299
 15-01
 MRJ
 CM
 12-28-2017

E201N
 72316-0001



Sampled with bly p

2 ELECTRICAL PLAN - BLDG N & STUDENT COUNCIL
 1/8" = 1'-0"



Sampled with Rldg p

Handwritten annotations on the Building N plan:
 0508-N18
 0508-N17
 0508-N16
 0508-N13
 0508-N14
 0508-N15
 0508-N14
 0508-N15A
 0508-N4
 0508-N8
 0508-N20
 0508-N10
 0508-N3
 0508-N11
 0508-N12
 0508-N7
 0508-N6
 0508-N5
 0508-N2
 0508-N9
 0508-N9B

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

GENERAL NOTES

1. REFER TO GENERAL SPECIFICATIONS FOR INFORMATION.
2. CONTRACTOR SHALL VERIFY ALL ATTACHED SPACES TO BE WORKED ON BY THE CONTRACTOR ARE CLEAR OF ALL OBSTRUCTIONS. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND EQUIPMENT.
3. REFER TO THE ELECTRICAL CODES AND REGULATIONS FOR THE LATEST REQUIREMENTS AND STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

NOTES

1. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY TO COVER ALARM AREA. INSTALL BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
2. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
3. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
4. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
5. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
6. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
7. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
8. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
9. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
10. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
11. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
12. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
13. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
14. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
15. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
16. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
17. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
18. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
19. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.
20. PROVIDE 100 AMP ALARM CONTROL PANEL AND BATTERY POWER SUPPLY IN A SECURE, VENTILATED AND UNHUMIDIFIED LOCATION. SEE ELECTRICAL CODES FOR DETAILS.

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECTURE
 ARCHITECT
 P&S INC. 10481
 DATE: _____
 FILE NO. 10481

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

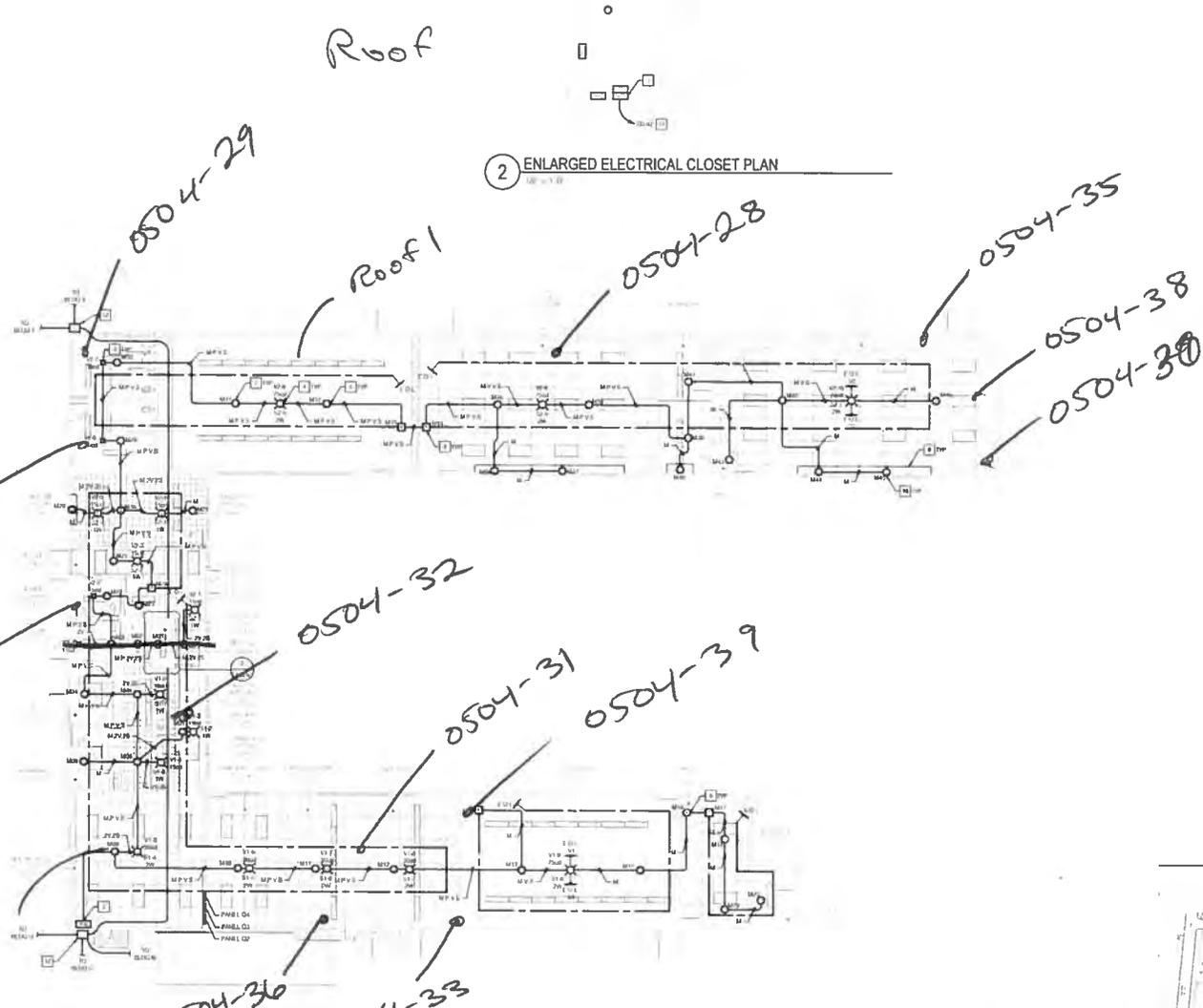


JUBANY NAC ARCHITECTURE

101-47019
 1991
 MU
 CM
 12-26-2017

BUILDING Q
 FIRE ALARM PLAN
 FA201Q
 2/28/17

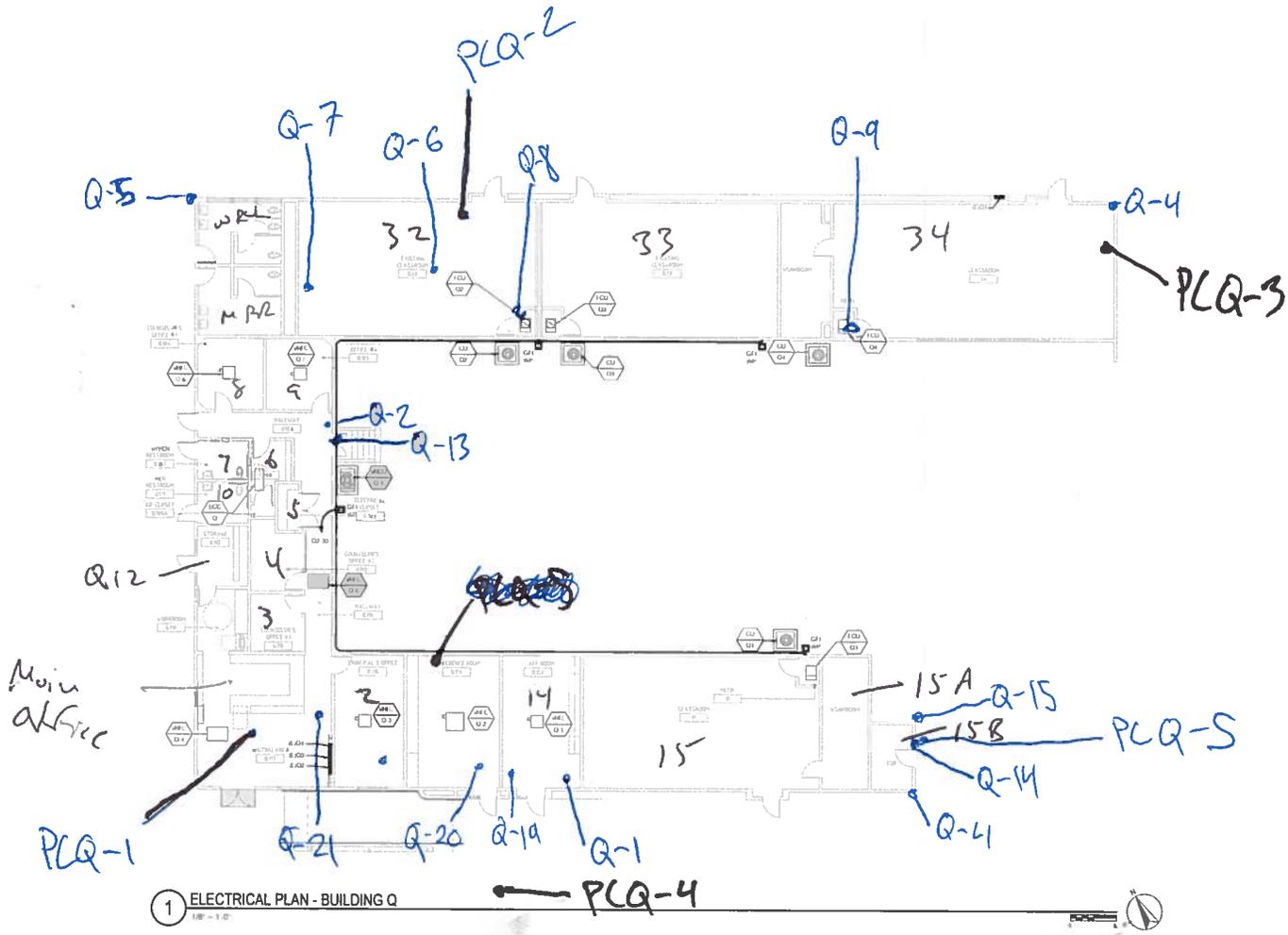
2 ENLARGED ELECTRICAL CLOSET PLAN



1 FIRE ALARM PLAN - BUILDING Q



GENERAL NOTES
 1. REFER TO MECHANICAL ELECTRICAL CONSTRUCTION
 SPECIFICATIONS ON SHEET 10 FOR CHANGES TO ANY
 ELECTRICAL SYMBOLS.



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

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE
 ARCHITECT
 APP. NO. 03-18808
 NC - P.E.
 DATE: FILE NO. 19-81

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

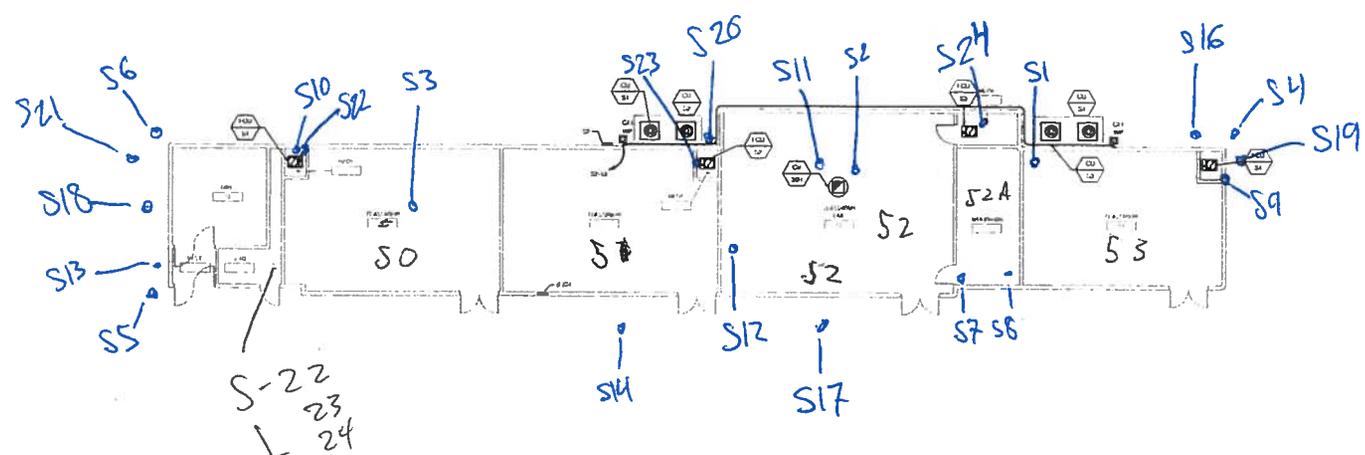


JUBAY NAC ARCHITECTURE

NO. 101-17010
DATE 10-01
BY SH
CM
12-20-2017

E201Q
 P2S Inc. 2017

GENERAL NOTES
 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE (NEC) AND THE 2018 INTERNATIONAL FIRE ALARM AND NOTIFICATION CODE (NFPA 72).



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

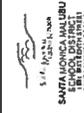


DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. NO. 85-114008
 AC. P.L.C. S.C.
 DATE FILE NO. 19-01

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

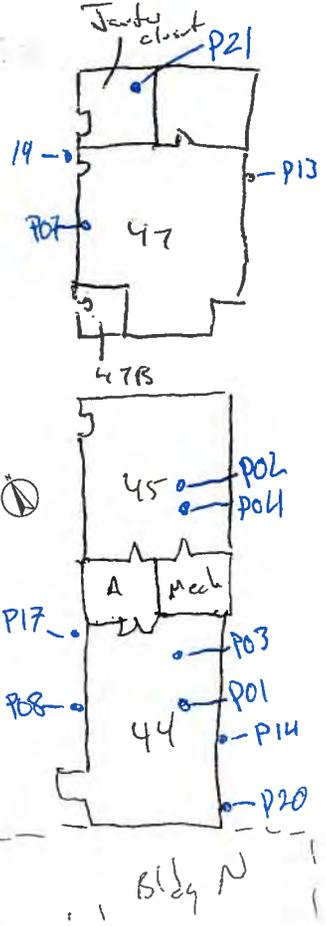
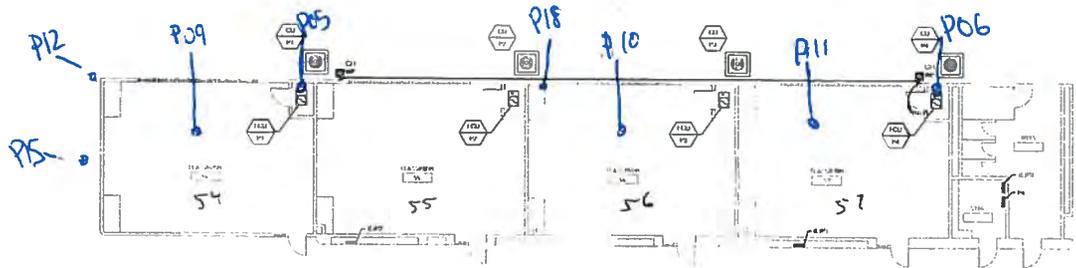


JUVANY NAC ARCHITECTURE

1	10-17-2019
2	10-31
3	12-26-2017

E201S

GENERAL NOTES
 1. SEE ALL NOTES ON DRAWING SET FOR CHANGES AND
 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 P
 1/8" = 1'-0"

DSA SUBMITTAL

p2s
 P2S Engineering, Inc.
 1111 S. G Street, Suite 100
 San Jose, CA 95128
 (408) 298-1111

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 ARCH. REG. NO. 65-118888
 P. 1/8
 DATE: FILE NO. 19-81

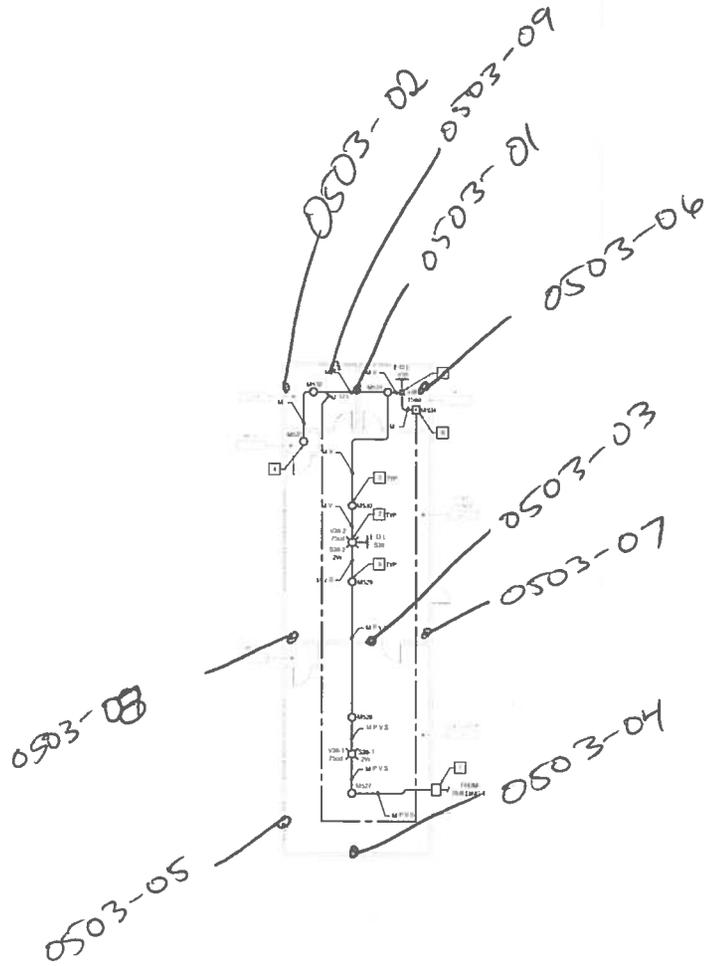
SANTA MONICA VALLEJO SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 2017-2018

JUAN NAC ARCHITECTURE
 1111 JACOBSON DRIVE
 SANTA MONICA VALLEJO
 DISTRICT OFFICE
 SANTA MONICA, CA 90401

NO.	DATE
1	05-17-19
2	10-01
3	04
4	12-28-2017

E201P

Roof



1 FIRE ALARM PLAN - BUILDING V
1/8" = 1'-0"

- GENERAL NOTES**
1. REFER TO DEVICES SCHEDULE FOR NAME, DESCRIPTION
 2. CONTRACTOR SHALL VERIFY ALL ATTACHED SPACES & THROUGHOUT THE BUILDING AND VERIFY THE DESIGN FOR ALL DEVICES. PROVIDE LINE AND LABEL FOR ALL DEVICES FOR THESE LOCATIONS ON ALL 11x17 AUTOMATIC FIRE CONTROL DRAWINGS.
 3. WHEN THE FIRE ALARM SYSTEM IS INSTALLED, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL DEVICES AND CALLS TO THE CONTRACTOR FOR APPROVAL.

- NOTES**
- 1. PROVIDE SYMBOLS TO ALL DEVICES
 - 2. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 3. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 4. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 5. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 6. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 7. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 8. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 9. PROVIDE LINE AND LABEL TO ALL DEVICES
 - 10. PROVIDE LINE AND LABEL TO ALL DEVICES



SANTA MONICA MALLIBU SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 1432 11TH STREET, SANTA MONICA, CA 90404

PS
 PROFESSIONAL SEAL
 STATE OF CALIFORNIA
 ARCHITECT
 No. 10000
 EXPIRES 12/31/2017

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 APP. NO. 63-11558
 AC. FILE NO. 63-11558
 DATE FILED 12/28/17
 FILE NO. 1261

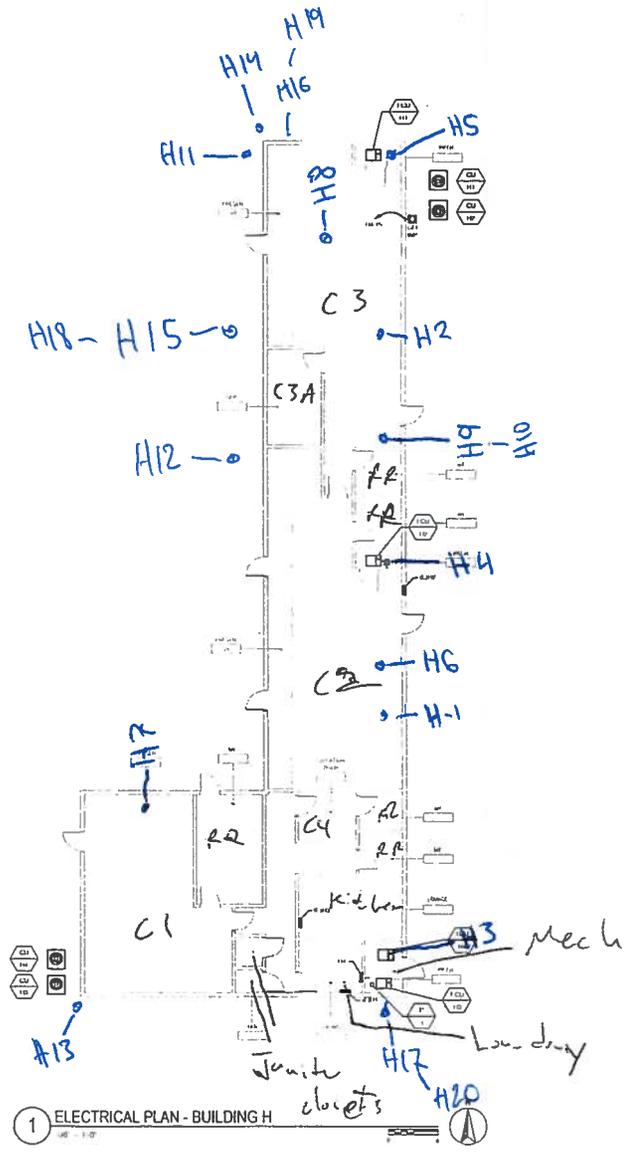
SANTA MONICA MALLIBU SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 1432 11TH STREET, SANTA MONICA, CA 90404

URBAN | **NAC** | **ARCHITECTURE**

161-17019
 10 01
 MU
 CM
 12 28 2017

BUILDING V
 FIRE ALARM PLAN
FA201V
 P20 Nov 2017

GENERAL NOTES
 1. MECHANICAL ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL CODES AND REGULATIONS.
 2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.
 4. ALL ELECTRICAL WORK SHALL BE COMPLETED AND INSPECTED BEFORE THE COMMENCEMENT OF OTHER TRADES.
 5. THE CONTRACTOR SHALL MAINTAIN CLEAR ACCESS TO ALL EXISTING ELECTRICAL PANELS AND EQUIPMENT THROUGHOUT THE PROJECT.
 6. ALL ELECTRICAL WORK SHALL BE PROTECTED FROM DAMAGE BY OTHER TRADES.
 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.
 8. ALL ELECTRICAL WORK SHALL BE COMPLETED AND INSPECTED BEFORE THE COMMENCEMENT OF OTHER TRADES.
 9. THE CONTRACTOR SHALL MAINTAIN CLEAR ACCESS TO ALL EXISTING ELECTRICAL PANELS AND EQUIPMENT THROUGHOUT THE PROJECT.
 10. ALL ELECTRICAL WORK SHALL BE PROTECTED FROM DAMAGE BY OTHER TRADES.



1 ELECTRICAL PLAN - BUILDING H

DSA SUBMITTAL

ps
 ARCHITECTURE
 1750 W. 10TH AVENUE, SUITE 100
 DENVER, CO 80202
 TEL: 303.733.1111
 FAX: 303.733.1112

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. NO. 63-11888
 ARCHITECT
 NAME: _____
 DATE: _____
 FILE NO. 1941

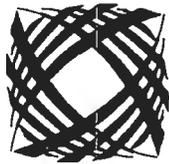
SANTA MONICA VALLEY SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE

SANTA MONICA VALLEY SCHOOL DISTRICT
 1750 W. 10TH AVENUE, SUITE 100
 DENVER, CO 80202
 TEL: 303.733.1111
 FAX: 303.733.1112

JUBANY
 NAC ARCHITECTURE

181-17099
 18-91
 18-91
 18-91
 18-91

E201H
 1750 W. 10TH AVENUE, SUITE 100
 DENVER, CO 80202
 TEL: 303.733.1111
 FAX: 303.733.1112



ALTA
ENVIRONMENTAL

Sheet 1 of 1

Project Name Bell Gardens High

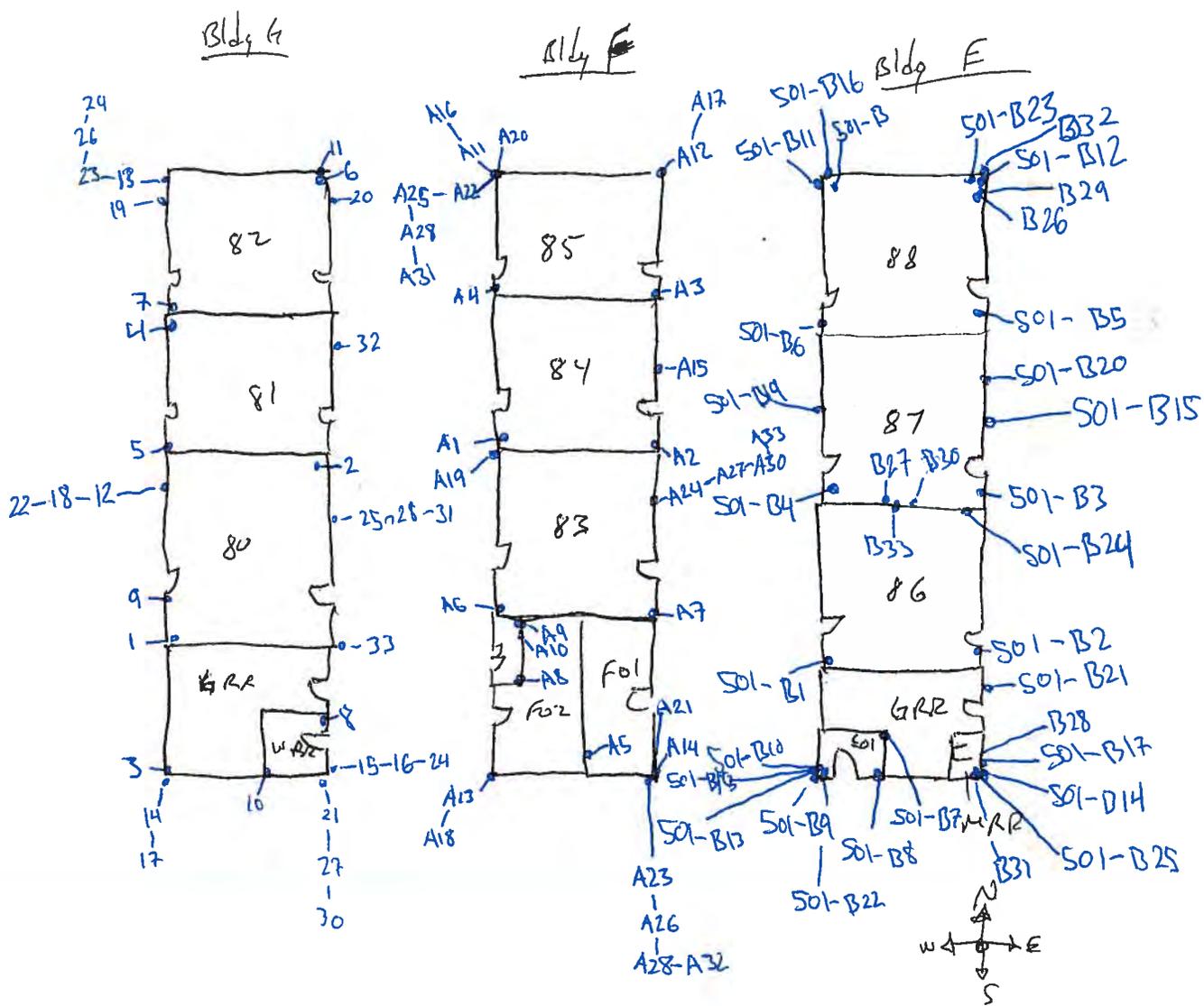
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Calculated by FL Date 5-01-18

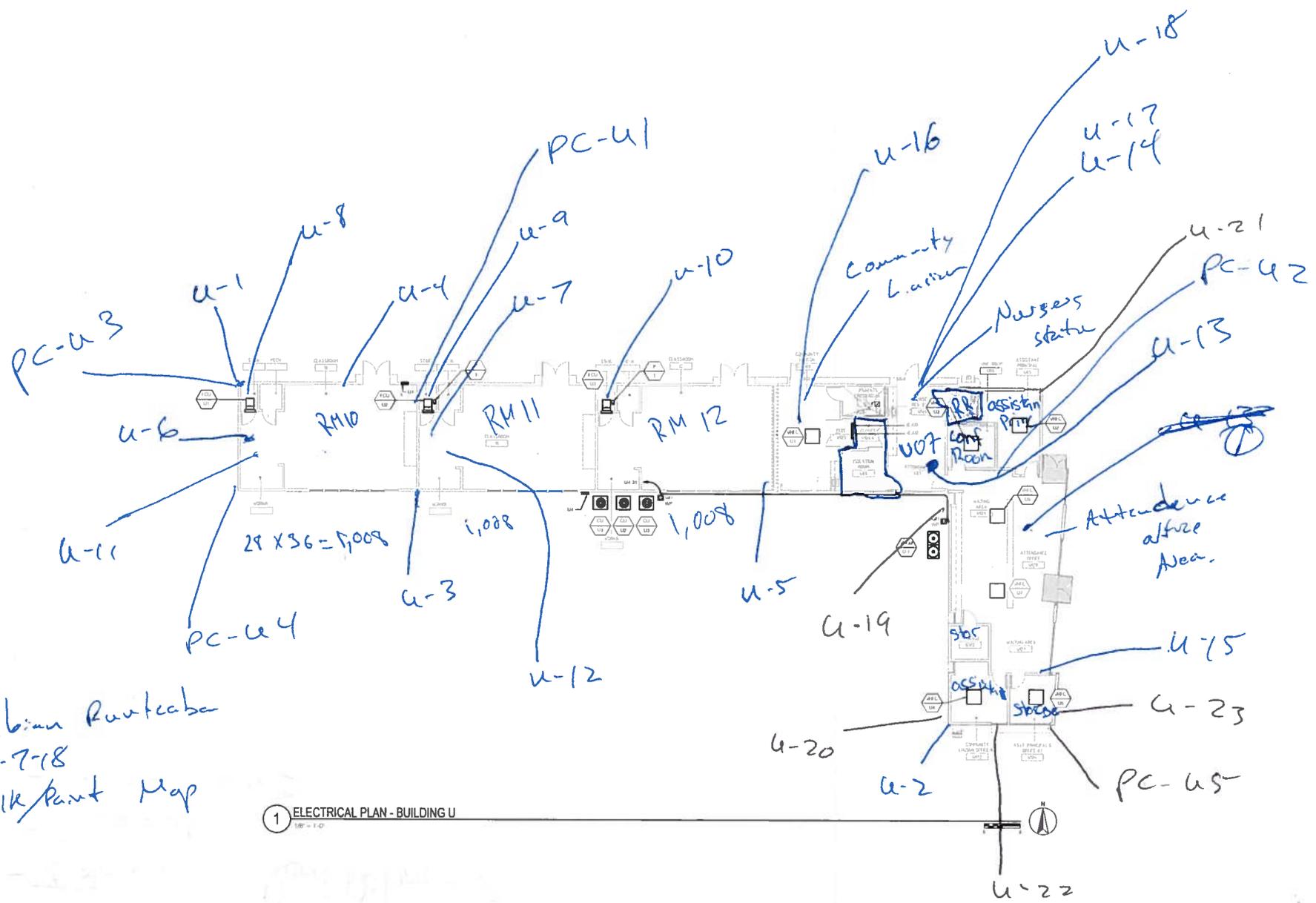
Scale No Scale

Checked by _____ Date _____

Jams M.S.



GENERAL NOTES
 1. SEE ELECTRICAL CONNECTIONS
 2. SEE ELECTRICAL CONNECTIONS
 3. SEE ELECTRICAL CONNECTIONS



Fabian Rautava
 5-7-18
 Bulk/Paint Map

1 ELECTRICAL PLAN - BUILDING U

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE
 ARCHITECT
 APP. NO. 03-19888
 AC P.L.S. 50
 DATE
 FILE NO. 19-81

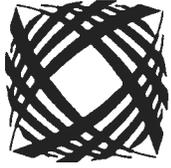
SANTA MONICA MALIBU SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE



JUANY NAC ARCHITECTURE

DATE	10-17-10
REVISION	10-11
BY	EM
DATE	12-28-2017

E201U



ALTA
ENVIRONMENTAL

Sheet 1 of 1

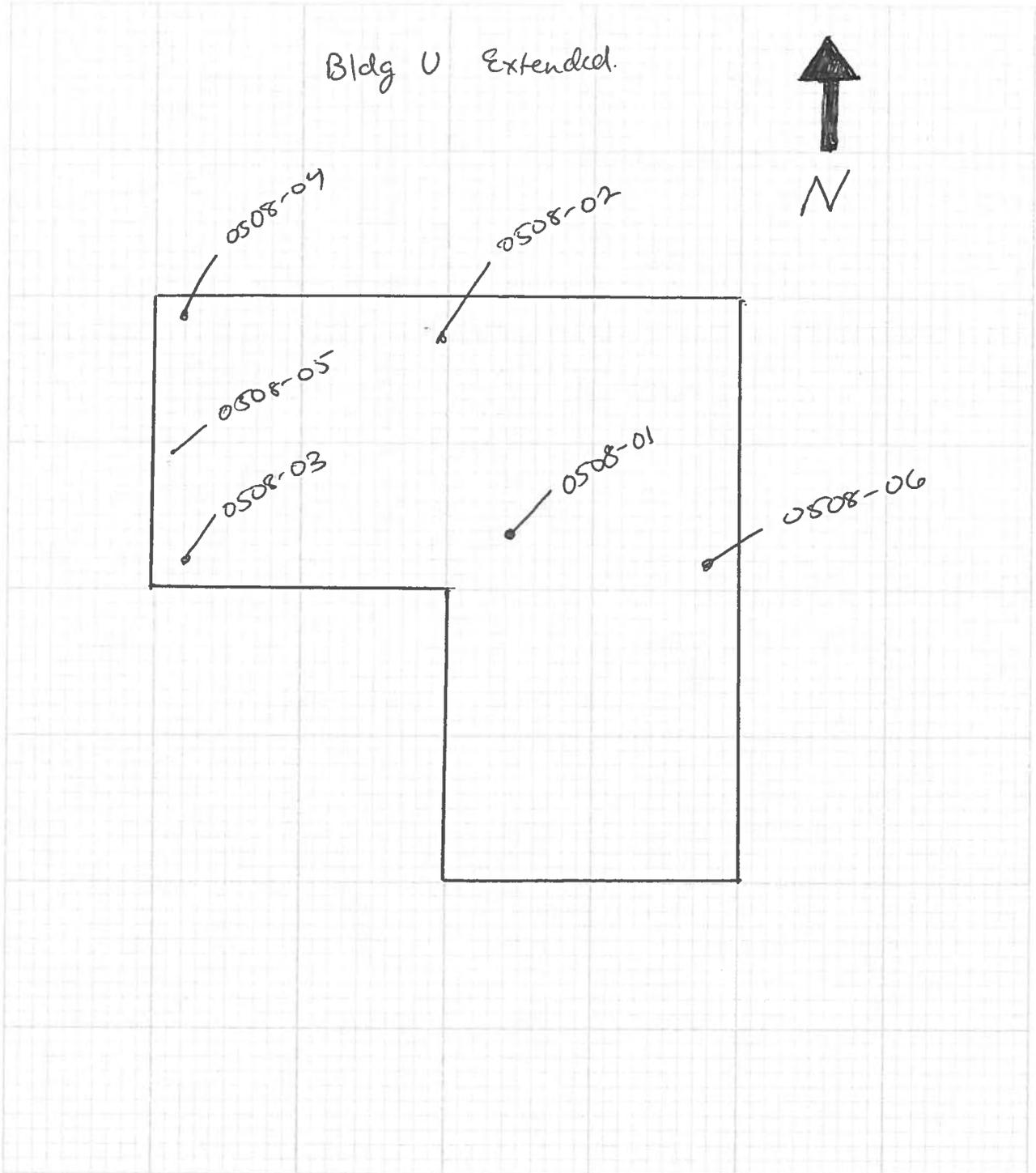
Project Name JAMS

Project No./Task No. SMSD-18-7674

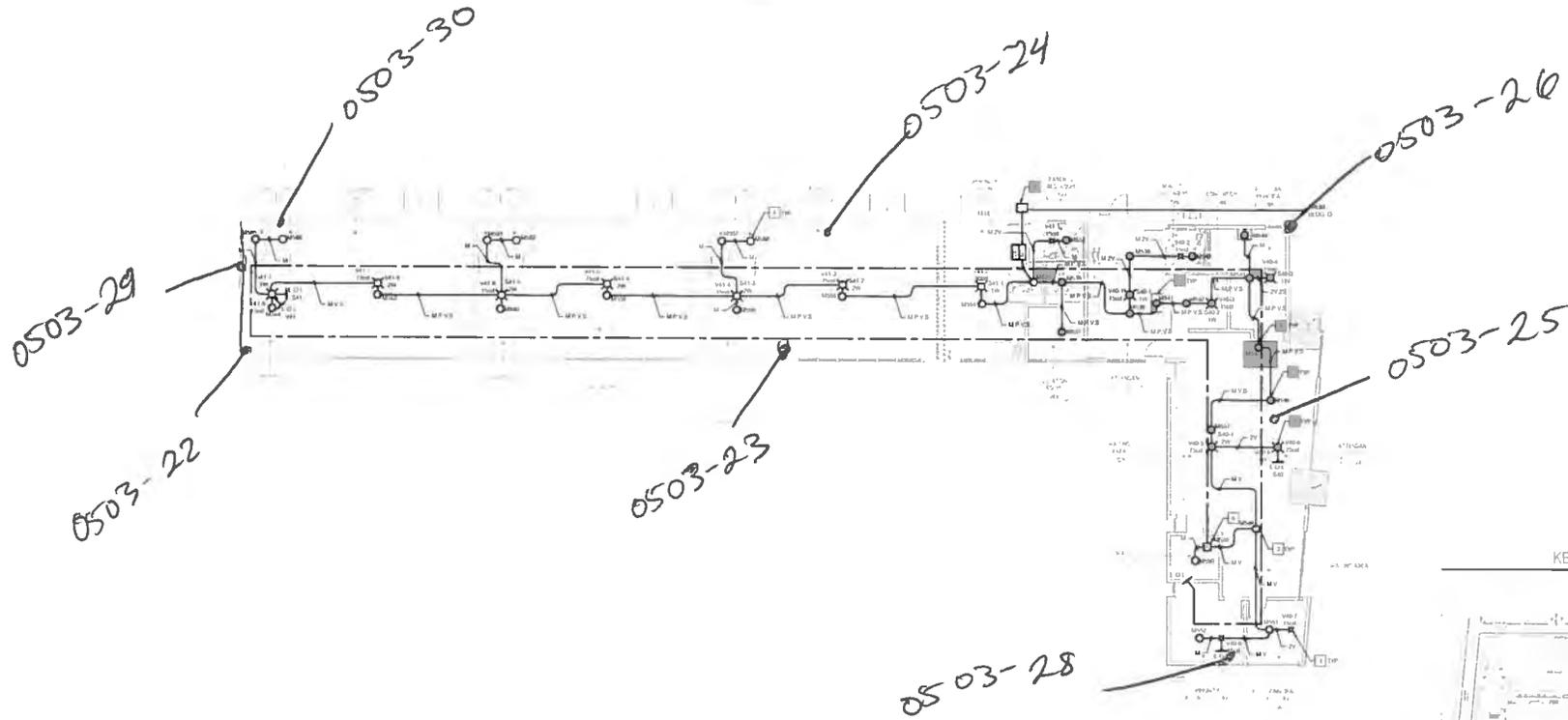
Calculated by JR Date 5/8/18

Scale _____

Checked by _____ Date _____



Roof



1 ELECTRICAL PLAN - BUILDING U

GENERAL NOTES

- 1 REFER TO ELECTRICAL SCHEDULE FOR WIRE AND CABLES.
- 2 CONTRACTOR SHALL VERIFY ALL ATTACHED SPACES TO BE OPEN ABOUT THE BUILDING AND ALL THE EXISTING PERMITS AND CONDITIONS. PROVIDE ONE ANCHOR FOR EACH PERMIT AND ONE PERMIT LOCATION FOR ALL EXISTING PERMITS. THIS CONTRACTOR SHALL VERIFY.
- 3 REFER TO ALL THE SURFACE AND UNDERGROUND UTILITIES OF THE PROJECT AND ALL THE PERMITS AND CONDITIONS. PROVIDE ONE ANCHOR FOR EACH PERMIT AND ONE PERMIT LOCATION FOR ALL EXISTING PERMITS. THIS CONTRACTOR SHALL VERIFY.

NOTES

- 1 PROVIDE EARTHING TO ALL AB 200MM.
- 2 PROVIDE EARTHING TO ALL AB 200MM.
- 3 PROVIDE EARTHING TO ALL AB 200MM.
- 4 PROVIDE EARTHING TO ALL AB 200MM.
- 5 PROVIDE EARTHING TO ALL AB 200MM.
- 6 PROVIDE EARTHING TO ALL AB 200MM.
- 7 PROVIDE EARTHING TO ALL AB 200MM.
- 8 PROVIDE EARTHING TO ALL AB 200MM.
- 9 PROVIDE EARTHING TO ALL AB 200MM.
- 10 PROVIDE EARTHING TO ALL AB 200MM.

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APR. NO. 00-11000
 AC FILE NO. 00
 DATE FILE NO. 19-91

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



ARCHITECTURE
 J. MARY NAC

191-17010
 19-91
 MU
 CU
 12-28-2017

BUILDING U
 FIRE ALARM PLAN
 FA201U



GENERAL NOTES

1. REFER TO MECHANICAL, ELECTRICAL, GEOMETRIC, AND STRUCTURAL DRAWINGS FOR DIMENSIONS AND FINISHES.

ELECTRICAL KEY NOTES

□ EQUIPMENT SCHEDULES OF ELECTRICAL PANELS (MPP) OR ELECTRICAL EQUIPMENT FOR HIGH-VOLTAGE CODES AND OTHER WORKING CONDITIONS

DSA SUBMITTAL



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. NO. 104118608
AC. 113 SS
DATE

FILE NO. 1091

SANTA MONICA MALLIBU SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE
1201 10TH STREET, SANTA MONICA, CA 90401



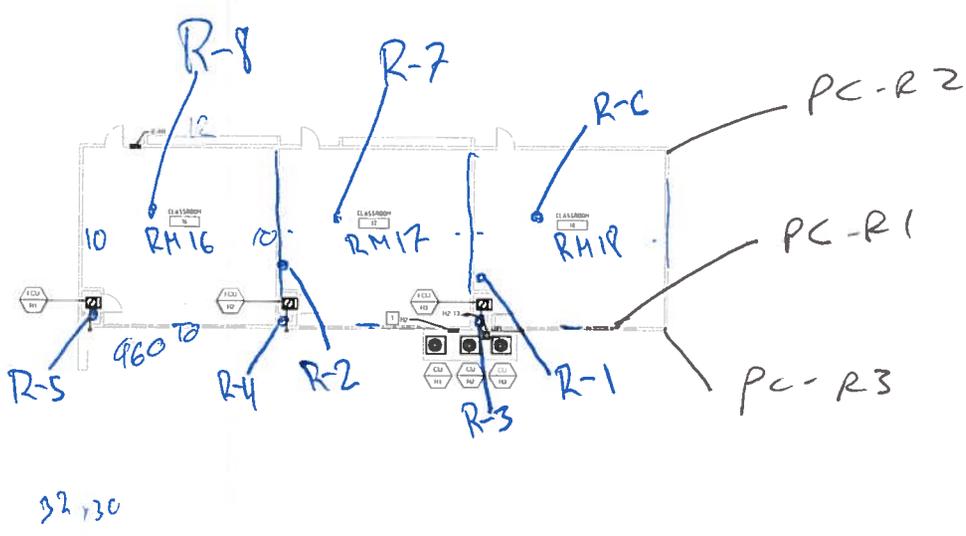
JUANY NAC ARCHITECTURE

101-17019
10-B1
MLJ
CBA
12-28-2017

E201R
P28 (Rev. 08/11)

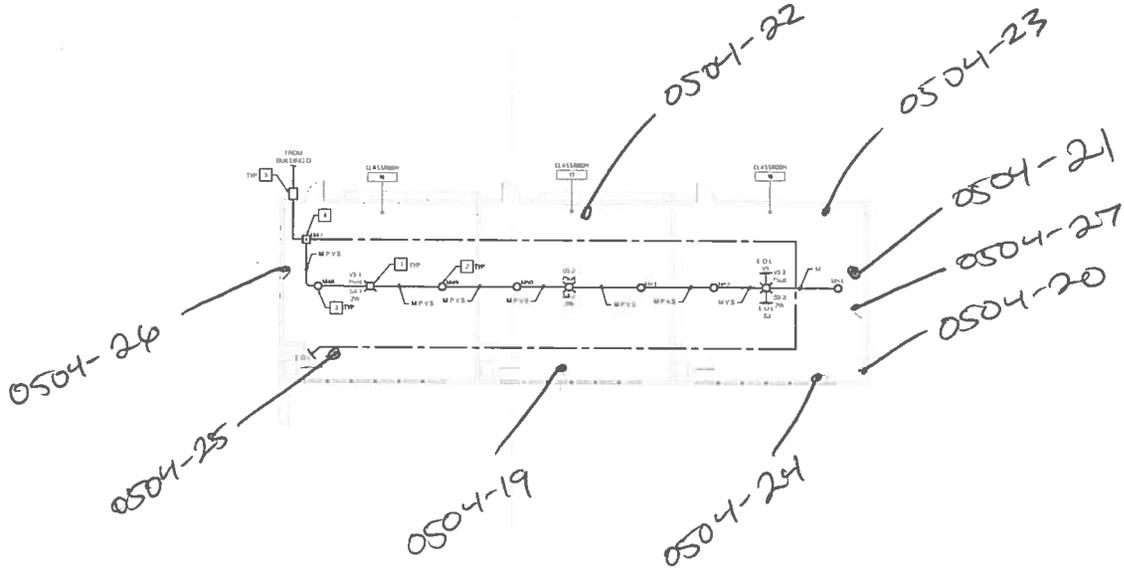
36 30
66
40
106

20 x 20 42



1 MECHANICAL PLAN - BUILDING R

Roof



1 FIRE ALARM PLAN - BUILDING R
1/8" = 1'-0"



- GENERAL NOTES**
1. FIELD FOR DEVICE SCHEDULE FROM WORK. NO DIMENSIONS.
 2. CONSTRUCTION SHALL BE IN FULL ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE.
 3. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE.

- NOTES**
1. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE.
 2. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE.
 3. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE.
 4. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE.
 5. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE. PROVIDE THE DEVICE SCHEDULE FROM THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720-2015 CODE.



DSA SUBMITTAL

P2S INC.
 2025 10TH STREET, SANTA ANITA, CA 95054
 (408) 533-1111
 www.p2sinc.com

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. No. 04-18808
 ARCHITECT FILE NO. 08
 DATE FILE No. 10-01

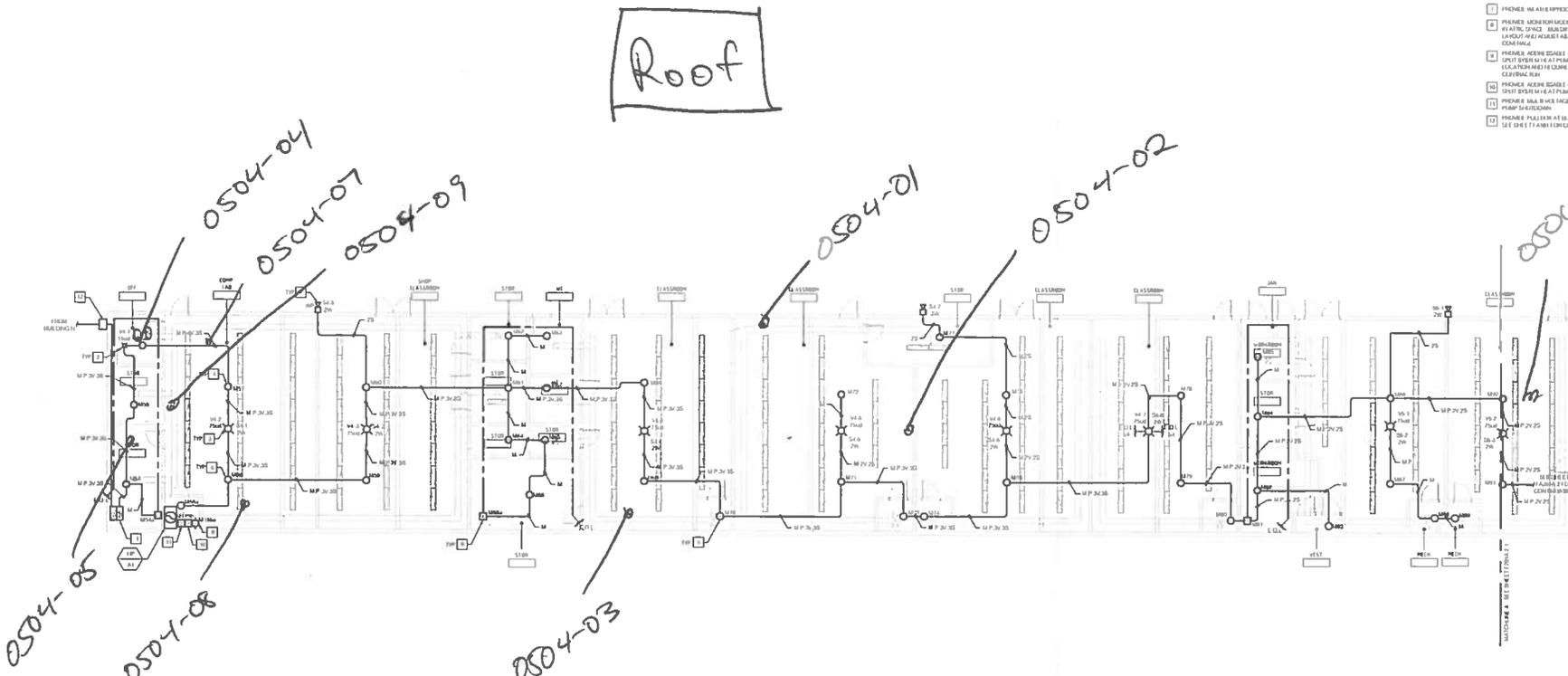
SANTA ANITA MIDDLE SCHOOL DISTRICT
**JOHN ADAMS MIDDLE SCHOOL PHASE 2:
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE**
 2025 10TH STREET, SANTA ANITA, CA 95054

J V A N N Y
NMC ARCHITECTURE

PROJECT NO. 181-17019
 SHEET NO. 10-01
 CONTRACTOR: MLI
 CONTRACT: CM
 DATE: 12-26-2017

BUILDING R
 FIRE ALARM PLAN

FA201R
 P2S Inc. 2017



1 FIRE ALARM PLAN - BUILDING A
1/8" = 1'-0"



KEY PLAN



- GENERAL NOTES**
1. REFER TO THE VICE SCHEDULE FOR MORE INFORMATION.
 2. COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. PROVIDE A PRELIMINARY UTILITY LOCATIONS AND DEPTHS REPORT TO THE ARCHITECT PRIOR TO CONSTRUCTION.
 3. REFER TO THE VICE SCHEDULE FOR MORE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. PROVIDE A PRELIMINARY UTILITY LOCATIONS AND DEPTHS REPORT TO THE ARCHITECT PRIOR TO CONSTRUCTION.
- NOTES**
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DSA SUBMITTAL



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. NO. 05-1988
DATE: FEB 1991
FILE NO. 19-81

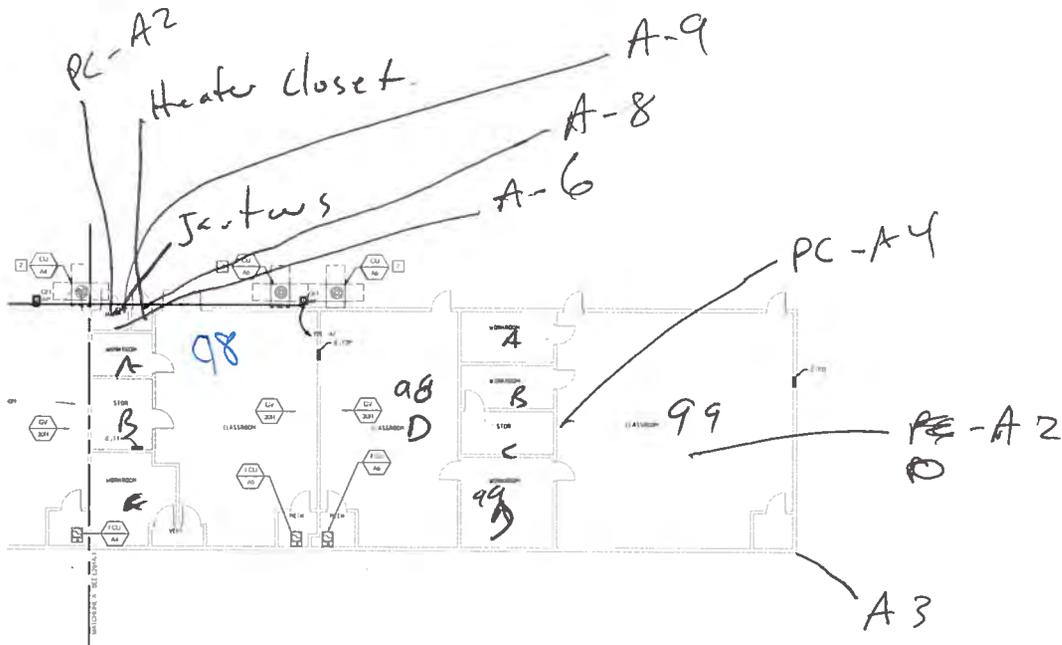
SANTA MONICA VALLEY SCHOOL DISTRICT
JOHN ADAMS MIDDLE SCHOOL PHASE 2:
HVAC UPGRADE & NEW AUTOMATIC
FIRE ALARM AT ENTIRE SITE



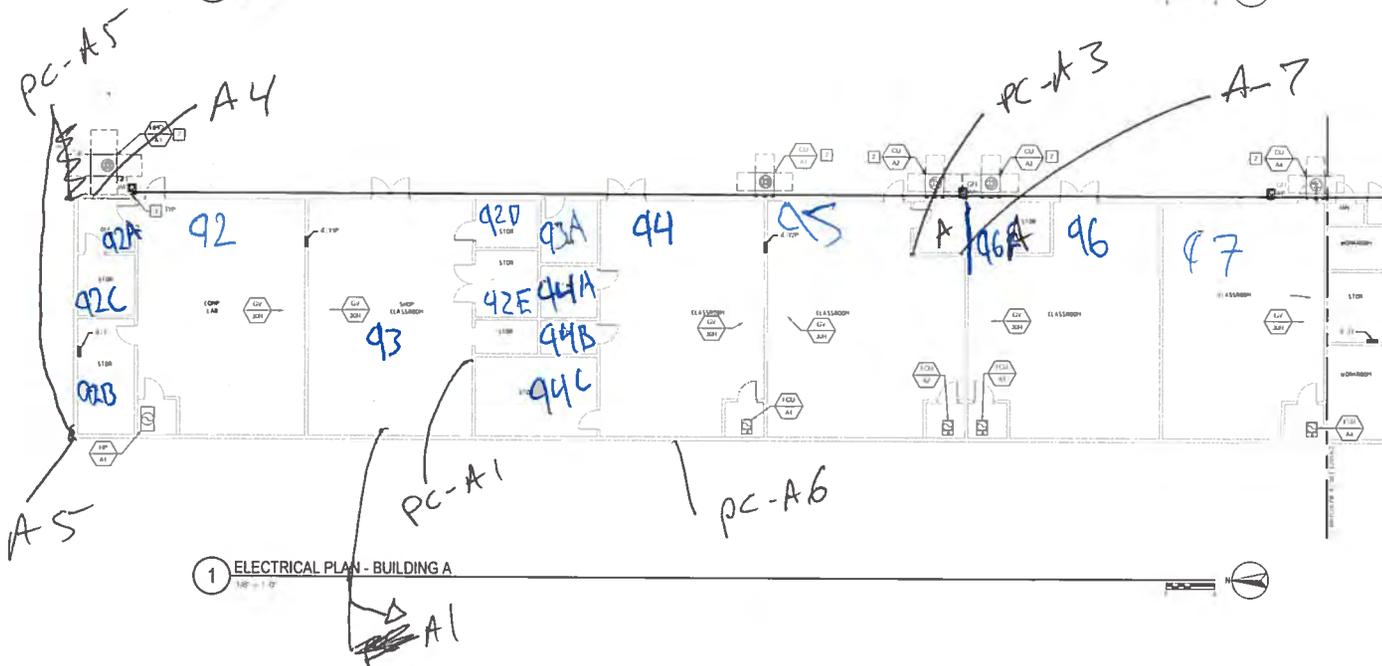
J. MARY NAC ARCHITECTURE

DATE	181-17190
REVISED	19-81
BY	MU
DATE	CM
DATE	12-26-2017

FA201A.1
PDS No. 2017



2 ELECTRICAL PLAN - BUILDING A



1 ELECTRICAL PLAN - BUILDING A

GENERAL NOTES
 1. REFER TO THE GENERAL ELECTRICAL CODES AND SPECIFICATIONS FOR THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.
NOTES
 1. VERIFY THE CONDITIONS ABOVE, LAKEVIEW ADJACENT TO CORNER BEARING UNITS.
 2. PROVIDE POWER WITH CORRECT WIRING UNITS AND/OR CABLES.

DSA SUBMITTAL



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. NO. CS-148888
 AC. # 148888-98
 DATE 12-20-2017
 P.E. No. 10-91

SANTA MONICA MALIBU SCHOOL DISTRICT
 JOHN ADAMS MIDDLE SCHOOL PHASE 2
 HVAC UPGRADE & NEW AUTOMATIC
 FIRE ALARM AT ENTIRE SITE
 2521 17TH STREET SANTA MONICA, CA 90404



JUVANAC ARCHITECTURE

Proj. No.	101.17010
Issue No.	10-01
Location	MLJ
Client	CM
Date	12-20-2017

E201A
 1/28/17

Appendix F

Alta Environmental Employee Certifications

EPA ACCREDITED

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

EXAM DATE: June 23, 2017

AACS-2016-17
ACCREDITATION NO.

June 23, 2018
EXPIRATION DATE




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) 621 Atlantic Ave. Ste. E Long Beach, CA 90802 TEL: (562) 612-1100

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 #E, Long Beach, CA 90802 TEL: # 562-612-3109

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 7140 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.

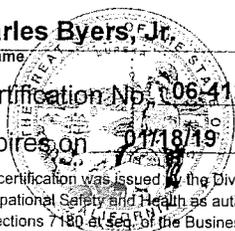


Name

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

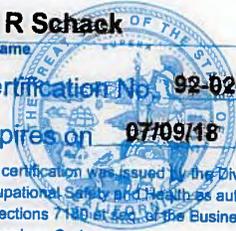


Name

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 peggole 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

Marie Tullai, CIH
Director, Workplace Health & Safety
Certified Asbestos Consultant
Cal-OSHA Cert. #92-0218

MT/ebj

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 - 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

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

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

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

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

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

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.

**MATERIAL INVENTORY
ASBESTOS**

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

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

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

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

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.**

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.



MATERIAL INVENTORY
ASBESTOS

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

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' rando pego hole 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' rando pego hole 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

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

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" ranson 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

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

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

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 through 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

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

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' rando pegg hole 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
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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.

MATERIAL INVENTORY
ASBESTOS

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

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

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

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

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

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

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

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' rardon 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.



MATERIAL INVENTORY
ASBESTOS

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

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

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.



MATERIAL INVENTORY
ASBESTOS

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

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, storage 1&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, storage 1&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, storage 1&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, storage 1&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, storage 1&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, storage 1&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

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

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

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.



MATERIAL INVENTORY
ASBESTOS

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

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.



MATERIAL INVENTORY
ASBESTOS

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

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

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.



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

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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



Jim Byers
Certified Asbestos Consultant
Cal/OSHA Cert. #06-4122
Lead Inspector/Assessor
CDPH Cert. #14805



Cesar Ruvalcaba
Certified Asbestos Consultant
Cal/OSHA Cert. #95-1799
Lead Inspector/Assessor, Project Monitor
CDPH Cert. #6855

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

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 ceiligns), 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**

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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

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**

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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**

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
Roof debris	118-16	None detected	Attic north of H-C, center	Attic crawlspace south of hallway C and north of hallway B	7,500 SF	No	No
Roof debris	118-17	None detected	Attic south of H-B, center				
Roof debris	118-18	None detected	Attic south of H-B, at entrance to hatch				
Thermal System Insulation (TSI) debris	118-19	60% chrysotile	Attic south of H-C at hatch entrance	Attic space all except at basketball court area	7,500 SF	Yes	Yes
Window caulking	118-20	None detected	Room 102 window, center	Windows throughout building	400 LF	No	No
Window caulking	118-21	None detected	Room 114 window, center				
Window caulking	118-22	None detected	Room 106 window, center				
Green sheet vinyl	118-23	None detected	Countertop south end	Room 106	1 counter top	No	No
Window putty	118-24	None detected	Hallway B entrance center	Windows above doors to hallway entrances at hallway A, B, C, D	400 LF	No	No
Window putty	118-25	None detected	Hallway A entrance, center				
Window putty	118-26	None detected	Hallway D entrance, center				
8" oval transite pipe	Not sampled	Assumed		Room 106	1 pipe pipe	No	No
Non-slip gray flooring	118-29	None detected	Hallway A, center	All hallways	2,000 SF	No	No
Non-slip gray flooring	118-30	None detected	Hallway B, center				
Non-slip gray flooring	118-31	None detected	Hallway C, center				
Chalkboard/posting board mastic	Not sampled	Assumed	Not sampled to avoid damage. Sample prior to demolition	Hallway A	10 SF	No	No
Paper or mastic under hard wood floor	Not sampled	Assumed	Not sampled to avoid damage. Sample prior to demolition	Gym floor	6,000 SF	No	No
Cementitious bench panels	5589	None detected	Previously sampled by CTL Environmental	Girls locker room area, handicap shower bench	5 SF	No	No

Note: No access to rooms 108, 109, 109A, 103, lounge storage, 106A

Appendix B

Laboratory Analytical Report: Asbestos



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 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

Project Number
Project Name JAMS Gym
Location Santa Monica
PO Number
WO Number

Report Number 1829981

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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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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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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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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 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
1829981-025 118-13A	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



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 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

Project Number
Project Name JAMS Gym
Location Santa Monica
PO Number
WO Number

Report Number 1829981

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	(%)
1829981-031 118-16	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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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 Received 01/19/2018
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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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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	(%)
1829981-048 118-30	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



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. 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 Rivalcaba @altaenviro.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 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	Avg	Volume (L)
				Stop Time	Flow Rate	
118-01	1'x' peghole rows ceiling tile w/mastic and residual acoustical ceiling	Gym Bldg	1/18/18	-----		
118-02	1'x' grooved ceiling tile w/ mastic					
118-03	1'x' grooved ceiling tile w/ mastic					
118-04	1'x' gray speckled floor tile w/ mastic					
118-05	1'x' gray speckled floor tile w/ mastic					
118-06	Texture coating					
118-07	Texture coating					
118-08	2" gray cover base w/ adhesive					
118-09	2" gray cover base w/ adhesive					
118-10	2" gray cover base w/ adhesive					

Relinquished By: <u>[Signature]</u>	Received By: <u>[Signature]</u>
Date/Time: <u>1/18/18 20:40</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)

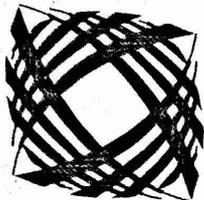
(Lab) Order No. 1829981

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	1/14/18	-----		
118-12	↓			-----		
118-13	4" black covebase w/ adhesive			-----		
118-14	↓			-----		
118-15	↓			-----		
118-16	roof debris			-----		
118-17	↓			-----		
118-18	↓			-----		
118-19	T&E 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'x1' 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>

Appendix C

Sample Location Map: Asbestos



ALTA

ENVIRONMENTAL

Sheet 1 of 1

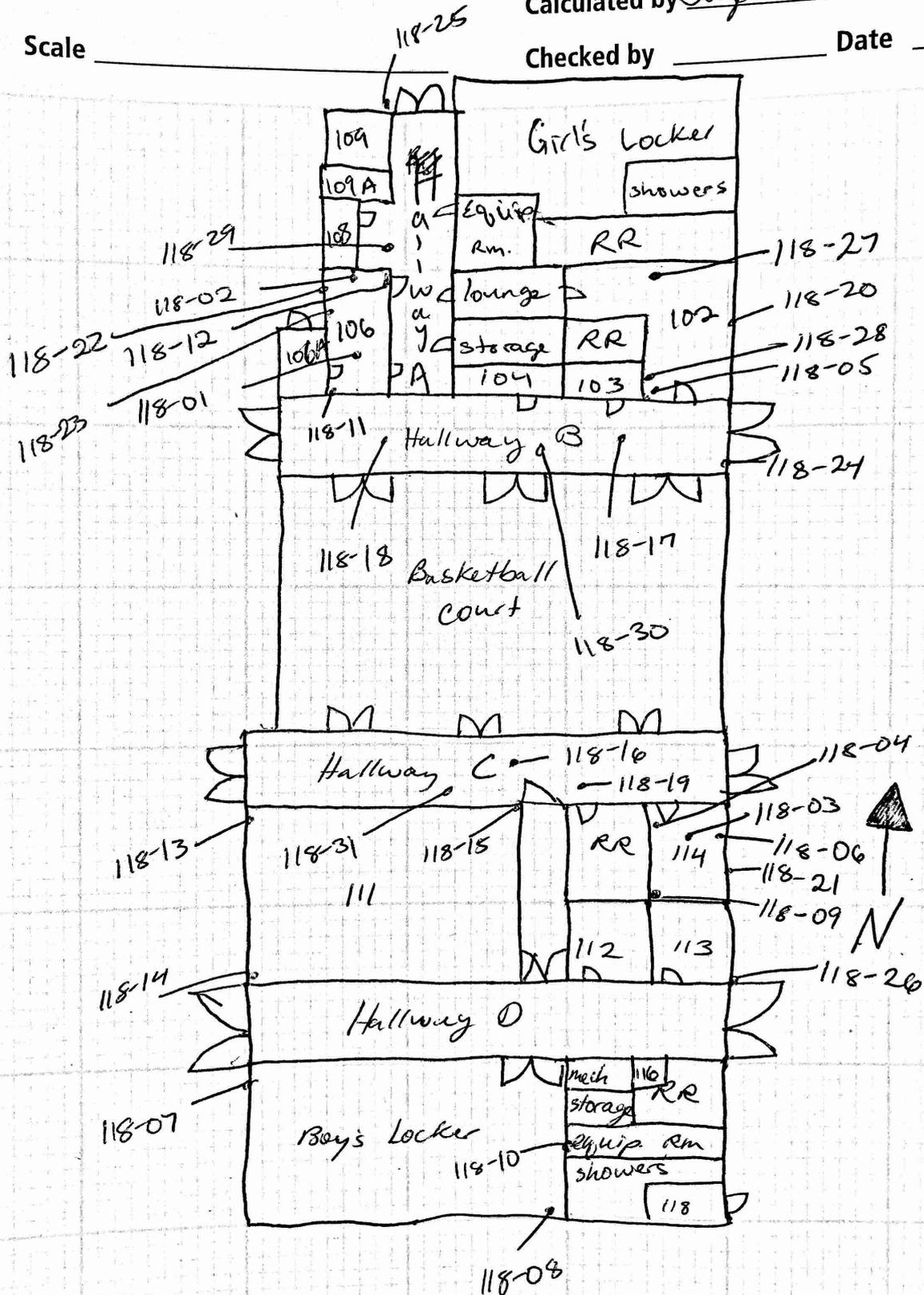
Project Name JAMS GYM

Project No./Task No. S.MSD-18-7431

Calculated by Jorg R Date 1/18/18

Checked by _____ Date _____

Scale _____



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

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

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



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: 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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Long Beach, CA 90807
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

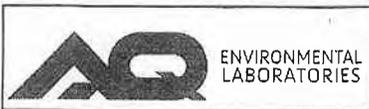
CUSTOMER INFORMATION		Turnaround Time	Shipped By	Report Send Via:
Company	<u>Alta Environmental</u>	Same Day <input checked="" type="checkbox"/>	Fedex <input type="checkbox"/>	Web <input type="checkbox"/>
Address	<u>3777 Long Beach Blvd</u>	1 Day <input type="checkbox"/>	UPS <input type="checkbox"/>	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 Ruvoleca</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>Santa Monica</u>	Sampled By: <u>Cesar Ruvoleca</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	Volume (L)
				Stop Time	Flow Rate	
<u>PC-1</u>	<u>wall plaster white</u>		<u>1-18-18</u>			
<u>2</u>	<u>↓</u>					
<u>3</u>	<u>↓</u>					
<u>4</u>	<u>door case wood white</u>					
<u>5</u>	<u>↓</u>					
<u>6</u>	<u>↓</u>					
<u>7</u>	<u>Grade Metal White</u>					
<u>8</u>	<u>Door wood white</u>					
<u>9</u>	<u>Not used</u>					
<u>10</u>	<u>Door wood green</u>					

Relinquished By: <u>[Signature]</u>	Received By: <u>Janie Dawson</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

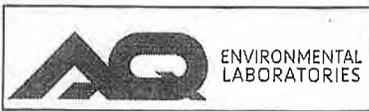
1508 E. 33rd Street
Signal Hill, CA 90755
562-206-2770 Tel
562-206-2773 Fax
services@AQenvlabs.com

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 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: <u>[Signature]</u>	Received By: <u>[Signature]</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

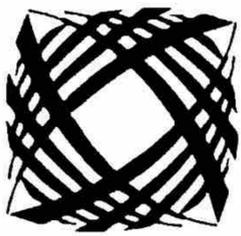
(Lab) Order No. 1829980

SAMPLE ID	SAMPLE TYPE	LOCATION	Date Sampled	Start Time Stop Time	Avg Flow Rate	Volume (L)
PC-31	Pipe Metal White		1-18-18			
32	Door Metal Green					
33	Door Case Metal Green					
34	Dividers 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	Facia Wood Green					
43	Gutter Metal Green					
44	Downspout Metal Green					
45	Handrail Metal Green					
46	Downspout Metal White					

Relinquished By: <u>[Signature]</u>	Received By: <u>[Signature]</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:

Appendix F

Sample Location Map: Map



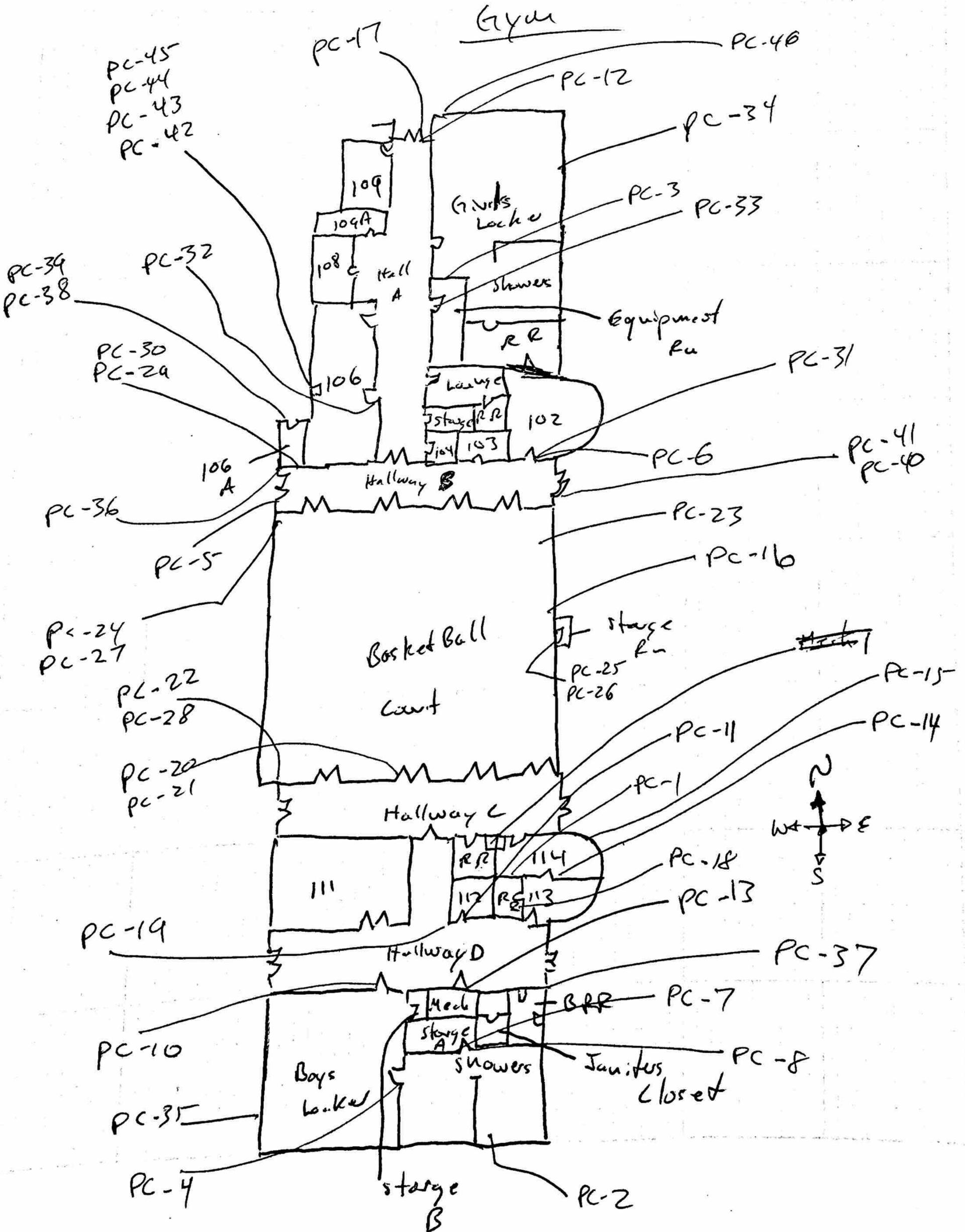
Project Name L. Wash M.S.

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

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		
1	0.9	0.9	0.93	0.107

Second Calibration Check

NIST SRM			First Average	Difference Between first Average and NIST SRM*
First Reading	Second reading	Third reading		
1.1	1.1	0.9	1.03	0.01

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	

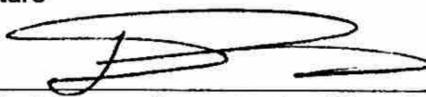
Section 4 — Owner of Structure (if business/agency, list contact person)

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 Ruzicich</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 7130 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.

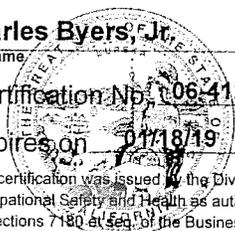


Name

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 7100 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 in. 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.



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:

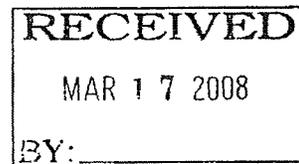
5563, 5564, 5565, 5566, 5567, 5568, 5569, 5570, 5571, 5572, 5573, 5574, 5575, 5576, 5577, 5578, 5579, 5580, 5581, 5582, 5583, 5584, 5585, 5586, 5587, 5588, 5589

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	908031028-12	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 %			
5575 Location: Sand Plaster	908031028-13	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 %			
5576 Location: Texture Coating	908031028-14	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 %			
5577 Location: Texture Coating	908031028-15	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 %			
5578 Location: Texture Coating	908031028-16	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 %			
5579 Location: Jt. Compound	908031028-17	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 %			

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 Location: 2" Grey Cove Base W/Adhesive	908031028-23L1	No	NAD (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 Location: 2" Grey Cove Base W/Adhesive	908031028-23L2	No	NAD (by CVES) by Raymundo Orozco on 03/06/08
Analyst Description: Cream, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
5586 Location: 4" Green Cove Base W/Adhesive	908031028-24L1	No	NAD (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 Location: 4" Green Cove Base W/Adhesive	908031028-24L2	No	NAD (by CVES) by Raymundo Orozco on 03/06/08
Analyst Description: Brown, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
5586 Location: 4" Green Cove Base W/Adhesive	908031028-24L3	No	NAD (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 Location: 4" Pink Cove Base W/Adhesive	908031028-25L1	No	NAD (by CVES) by Raymundo Orozco on 03/06/08
Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cove Base Asbestos Types: Other Material: Non-fibrous 100 %			

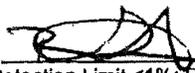
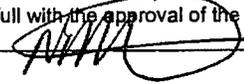
Client Name: CTL Environmental Services

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	908031028-25L2	No	NAD (by CVES) by Raymundo Orozco on 03/06/08
Analyst Description: Cream, Homogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Non-fibrous 100 %			
5588 Location: Window Putty	908031028-26	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 %			
5589 Location: Cementitious Bench Panels	908031028-27	No	NAD (by CVES) by Raymundo Orozco on 03/06/08
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 80 %, Non-fibrous 20 %			

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:	
JOB NAME: John Adams M.S. Bldg - C		ASBESTOS TEM AHERA		RUSH	24 HR	48 HR	72 HR	5 DAY
JOB NUMBER: 108-0088		ASBESTOS PLM BULK						X
JOB MANAGER: C. Ruvalcaba		ASBESTOS PCM AIR						
JOB DESCRIPTION:		ASBESTOS PLM 1000 P.C.						
		LEAD AIR						
		LEAD WIPE						
		LEAD PAINT / SOLID						
		OTHER:						

INITIAL RESULTS DELIVERY: FAX EMAIL VERBAL MAIL ONLY

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						
5565						
5566						
5567						
5568						
5569						
5570	smooth plaster					
5571						
5572						
5573						
5574	sand plaster					
5575						
5576	Texture coating					
5577						
5578						
5579	J7 compound					
5580						
5581						
5582	Drywall					

SAMPLED BY: <i>[Signature]</i>	DATE/TIME: _____	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: _____
RELINQUISHED BY: <i>[Signature]</i>	DATE/TIME: 3/30/8	RECEIVED BY: <i>[Signature]</i>	DATE/TIME: 3/03/8 1:50
RELINQUISHED BY: _____	DATE/TIME: _____	RECEIVED IN LAB BY: _____	DATE/TIME: _____

FIELD BULK SAMPLE LIST

Technician: F. Ruvalcaba
 Date: 2/2/08
 Page: 1 of 1

CLIENT: SMMUSD
 PROJECT NO.: 10F-0085
 PROJECT NAME: John Adams M.S. - Builders C (Gym Bldg)

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
1	Smooth Plaster	Jac-01-01 Turn Jac-01-03	NAD	See Samples 5570-073 for Material Locations	6500 sq. ft.	N	N
2	1"x1" Random Pebble Ceiling tile w/ Mastic	Jac-02-01 A: B	NAD (tile & Mastic)	Not Observed	-	N	N
3	1"x1" Pebble Rows Ceiling tile w/ Mastic	Jac-03-01 A: B	NAD (tile & Mastic)		-	-	-
4	Rough Plaster	JAC-04-01 Turn JAC-04-03	NAD	See Samples 5574-05574	4000 sq. ft.	N	N
5	1"x1" Grooved Ceiling tile w/ Mastic	Sec-05-01 A: B	NAD (tile & Mastic)	Room 102, 114, 113, R-114	700 sq. ft.	N	N
6	Acoustical Plaster Ceiling	Jac-07-01	Positive	R-114	120 sq. ft.	N	N
7	1"x1" Random Pebble Ceiling tile w/ Mastic	Jac-08-01 A: B	NAD (tile & Mastic)	Not Observed	-	-	-
8	Blank Insulator	Jac-09-01	Positive	Not Observed	-	-	-
9	Pipe Fitting Insulation	Jac-10-01	NAD	Not Observed	-	-	-
10	9"x9" tan w/ brown streaks Floor tile w/ Mastic	Jac-11-01	Positive (tile & Mastic)	F-111	220 sq. ft.	N	N
11	9"x9" brown w/ BK brown Floor tile w/ Mastic	Jac-12-01	Positive (tile & Mastic)	R-114, 113,	150 sq. ft.	N	N

FIELD BULK SAMPLE LIST

CLIENT: S.M.M.C.S.P.
 PROJECT NO.: 108-0085
 PROJECT NAME: John Adams M.S. - Buildings C (Fry-Bldg)

Technician: F. Ruvalec
 Date: 2/2/08
 Page: 2 of 4

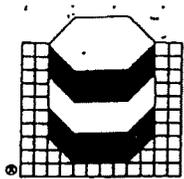
PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
17	9 1/2" x 4 1/2" White Gypsum Spackle, Acrylic Junk insulate	Jac-15-01	Positive (file & Master)	Room 106, 107, 108	550 sq. ft.	✓	✓
18	Junk insulate	Jac-14-01	Positive	Pit observed	-	-	-
19	Junk insulate	Jac-14-02	Positive	Pit observed	-	-	-
20	Head Pipe Insulation	Jac-15-01	Positive	Pit observed	-	-	-
	Stucco	5563	Exterior - Basketball Court - East Center	Exterior walls	12000 sq. ft.	✓	✓
		5564	Exterior - West Center by entry to hallway				
		5565	Exterior - Girls Locker Room North Center				
		5566	Exterior - Boys Locker South East corner				
		5567	Exterior - Room 118 South West corner				
		5568	Exterior - Room 106 North East corner				
		5569	Exterior - By Hallway West Entry				

FIELD BULK SAMPLE LIST

CLIENT: SMMUSD Technician: F. F. Walker Jr.
 PROJECT NO.: 108-0095 Date: 2/25/08
 PROJECT NAME: John Adams - M.S. - Building C Page: 5 of 4

PHOTO #	MATERIAL	SAMPLE #	SAMPLE LOCATION	MATERIAL LOCATION	EST. QTY.	F	D
	South Plaster	5570	Rm 104 - North East Corner	Girls Locker Room, Girls Showers, P.E. Equipment Area, 106, Hallway A, Urinals RR, 102, Lounges, etc.	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 Room, Boys Shower			
		5573	Boys Shower - West Wall Center				
	Plaster Semi Rough	5574	Rm 114 - South wall Center	Rm 114, 113, 111, Hallway D, Boys Locker Rm, Mech Rm, 118, 101	4000 39. ft	N	R
		5575	Boys Locker - North West Corner				
	Texture Coating and Grout	5576	Boys Locker - North Center	Boys Locker - Cor. Lough Plaster Wall, Cor. Lough	1000 39. ft	N	R
		5577	Boys Locker - South West Corner				
		5578	Boys Locker - East Wall Center				
	St. Coat	5579	Rm 116 - North East Corner	Rm 116	250 39. ft	N	R
		5580	Rm 116 - North West Corner				

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

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

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

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

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 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	
CHRYSOTILE	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.

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 : AR

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-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	
CHRYBOTILE	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% CHRYBOTILE.

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 : AR

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-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 : 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-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	
CHRYBOTILE		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			

COMMENTS : PAINT INCLUDED AS BINDER.

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MICROANALYST :

AR

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-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	
CHRYSOTILE		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

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-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	
CHRYSOFILE		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 :

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 : AR
 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-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	
CHRYBOTILE		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.

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 : AR

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-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	
CHRYBOTILE		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

QUALITY CONTROL BY :

 Lev Kuznetsov

ALEXEY REZNIK

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	
CHRYBOTILE		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 : AR

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	
CHRYBOTILE		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			

REMARKS :

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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 : 07/14/92

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.

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MICROANALYST :
lev kuznetsov
 LEV KUZNETSOV

QUALITY CONTROL BY :

 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	
CHRYSTOLE	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 :

AR

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-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	
CHRYSOTILE	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

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-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			

COMMENTS :

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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-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 :

QUALITY CONTROL BY :

lev kuznetsov
 LEV KUZNETSOV

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-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			

OMMENTS : 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	
CHRYBOTILE	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			

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 :

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)

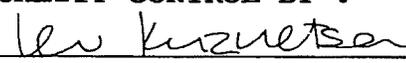
ASBESTOS FIBERS		NONFIBROUS COMPONENTS	
CHRYBOTILE	15	VERMICULITE	
AMOSITE		BIOTITE	
CROCIDOLITE		MICA	
ANTHOPHYLITE		PERLITE	
TREMOLITE		AGGREGATE/SAND	30
ACTINOLITE		STYROFOAM	
NONASBESTOS FIBERS		OTHER COMPONENTS	
SYNTHETICS		ALUMINUM	
MINERAL WOOL		BITUMEN	3
FIBERGLASS		RESILIENT MATERIAL	
CELLULOSE		GLUE	
ANIMAL HAIR		BINDERS	52
ANTIGORITE			

COMMENTS : ASBESTOS FOUND IN BOTH BITUMEN AND FLOOR TILE.
 BITUMEN CONTAINS 20% CHRYBOTILE.

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	
CHRYBOTILE	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			

OMMENTS : 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

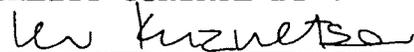
QUALITY CONTROL BY :

 LEV KUZNETSOV

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

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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)
		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

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

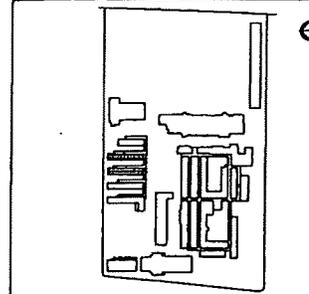
TABLE 4.2

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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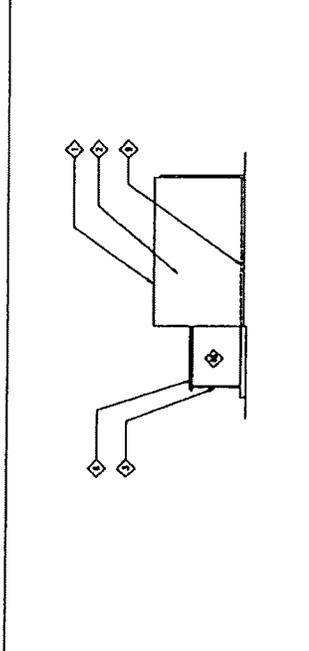
ADAMS MIDDLE SCHOOL



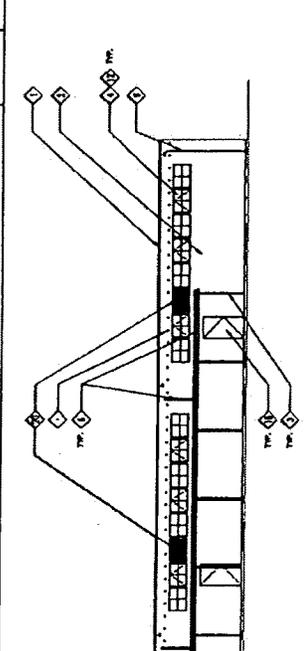
1 KEY PLAN

1. EXISTING CEILING FINISH - PAINT.
2. EXISTING DRY CEILING - PAINT.
3. EXISTING DRY COLUMN - PAINT.
4. EXISTING MIDDLE FRAME - PAINT.
5. EXISTING OUTER/INNERPART - PAINT.
6. EXISTING MIDDLE WALL - PAINT.
7. EXISTING MIDDLE PART - PAINT.
8. EXISTING MIDDLE PART - PAINT.
9. EXISTING MIDDLE PART - PAINT.
10. EXISTING FLOOR LINE.
11. EXISTING CEILING LINE.
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47. EXISTING CEILING LINE.

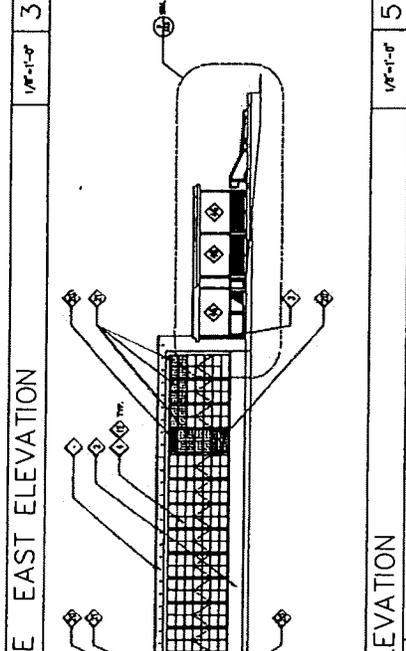
ADDITIONAL NOTES SPECIFIC TO THIS SHEET
47. NEW GUARDRAIL



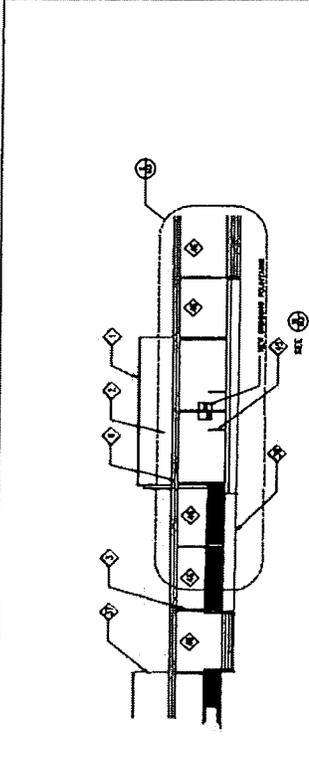
BUILDING E NORTH ELEVATION 1/8"=1'-0"



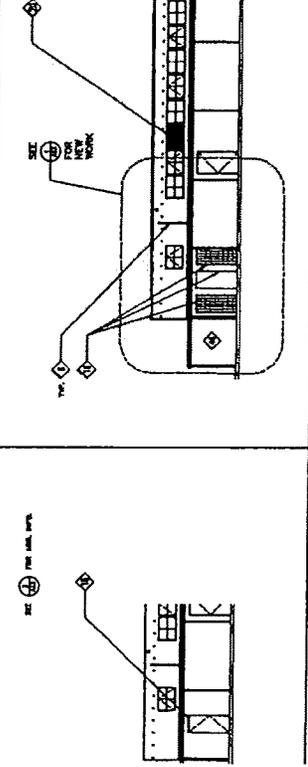
BUILDING E EAST ELEVATION 1/8"=1'-0"



BUILDING E WEST ELEVATION 1/8"=1'-0"



BUILDING E SOUTH ELEVATION 1/8"=1'-0"



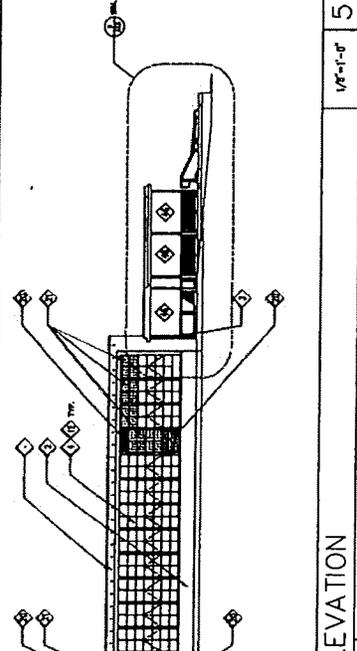
BUILDING E EAST ELEVATION 1/8"=1'-0"



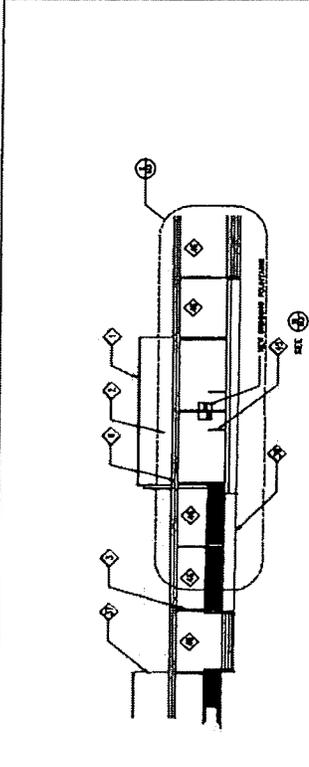
BUILDING E SECTION 1/8"=1'-0"



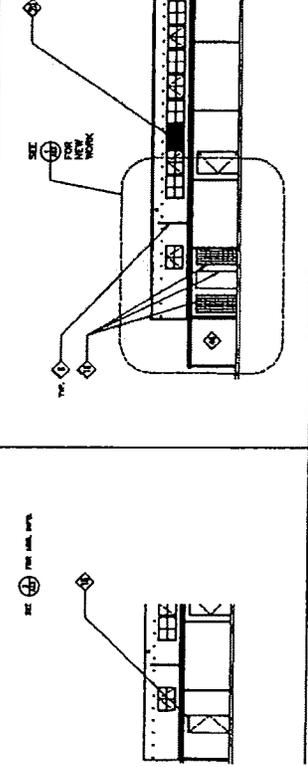
BUILDING E SECTION 1/8"=1'-0"



BUILDING F SECTION 1/8"=1'-0"



BUILDING E SECTION 1/8"=1'-0"



BUILDING E SECTION 1/8"=1'-0"



BUILDING E SECTION 1/8"=1'-0"



BUILDING E SECTION 1/8"=1'-0"

6 REFERENCE NOTES